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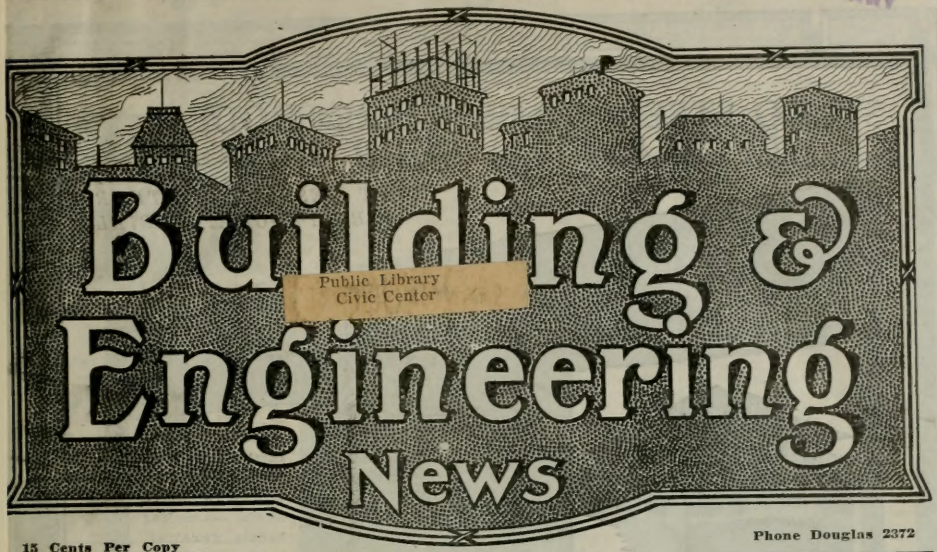

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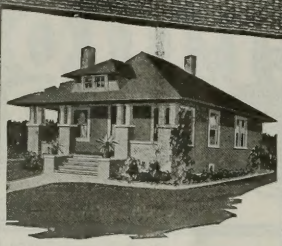

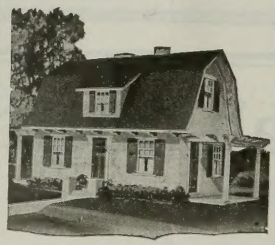

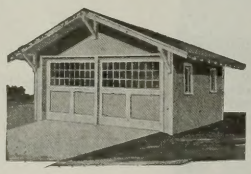

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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TEST FOR ORGANIC IMPURITIES IN SAND FOR CONCRETE

An approximate test for the presence of injurious organic compounds in natural sands, intended for use in cement mortar or concrete, was given by the Committee on Concrete and Concrete Aggregates of the American Society for Testing Materials, in its report submitted at the 24th annual meeting of the society, Asbury Park, N. J., June 21-24, 1921.

The principal value of the test is to furnish a warning that further tests of the sand are necessary before they be used in concrete. Sands which produce a color in the sodium hydroxide solution darker than the standard color should be subjected to strength tests in mortar or concrete before use. The test, which was submitted as a "proposed tentative method," follows:

(a) A representative test sample of sand about 1 lb. shall be obtained by quartering or by the use of a sampler.

(b) A 12-oz. graduated glass prescription bottle shall be filled to the 4½-oz. mark with the sand to be tested

(c) A 3 per cent solution of sodium hydroxide (NaOH) in water shall be added until the volume of sand and liquid after shaking gives a total volume of 7 liquid ounces.

(d) The bottle shall be stoppered and shaken thoroughly and then allowed to stand for 24 hours.

(e) A standard color solution shall be prepared by adding 2.5 cc. of a 2 per cent solution of tannic acid in 10 per cent alcohol to 22.5 cc. of a 3 per cent sodium hydroxide solution. This shall be placed in a 12-oz. prescription bottle, stoppered and allowed to stand for 24 hours, then 25 cc. of water added.

(f) The color of the clear liquid above the sand shall be compared with the standard color solution prepared as in Paragraph (e).

3. Solutions darker in color than the standard color have a "color value" higher than 250 parts per million in terms of tannic acid.

Thicker Pavement Unnecessary, Says Highway Commission

Following the refusal of the California Highway Commission to permit the California State Automobile Assn. to dictate highway policies and to determine the highway program, the latter organization is continuing its campaign of misrepresentation of State Highway affairs.

The eighth statement of the Auto Club compares the thickness of California highways with pavements of Eastern States, where freezing conditions make necessary a thicker pavement than has been laid in California.

The Auto Club in its contention for massive surface slab construction is at variance with the best highway engineering thought of the Nation today. Highway engineers generally have come to realize that permanency in pavement cannot be obtained by massive surface slab construction but must be secured through perfecting the foundation and drainage conditions that lie under the slab.

Evidence of this is to be seen in the fact that the U. S. Bureau of Public Roads has officially informed the California Highway Commission that in approving road projects for Federal Aid, it attaches more importance to subgrade or foundation conditions than it does to an extra inch or two of surface slab thickness.

Bearing on this question, it is a further significant fact that the U. S. Bureau of Public Roads has shown neither hesitancy or unwillingness to approve California highway projects upon which Federal Aid has been asked, and for which the plans have been based on standard California specifications of five inches of reinforced concrete.

In its published statement the California State Automobile Assn. recognizes that the thicker slab of Eastern States is designed to meet frost conditions that do not exist here. However, it seeks to justify its advocacy of a more massive and costly construction here by reason of the presence in California of adobe and clay soils. The Auto Club overlooks the fact that while adverse frost conditions in the East are universal, adverse soils here are found on a relatively small percentage of the total mileage. To design unduly expensive specifications for a larger part of the mileage to meet conditions on the smaller part of such mileage hardly appears like a business-like procedure. This is particularly so when it is realized that thickness of surface slab in the East has not prevented failures there where highways have been built over adverse soils. In fact it is the failure of highways in the East, built under heavy slab specifications, but where the foundation soil conditions have been unfavorable, that has turned the eyes of highway engineers away from the surface slab to the conditions that exist beneath that slab.

In another bulletin the Auto Club asserts that "the management of the headquarters organization has been wasteful and extravagant." The Auto Club refers to the report of the U. S. Bureau of Public Roads taking care, however, to avoid direct quotation from that report.

If such direct quotation had been made, the public would have been informed that the U. S. Bureau of Public Roads after a most thorough investigation of highway administration in California reported that the costs of which the Auto Club complains had been "most reasonable."

An examination of the fiscal report of the California Highway Commission, including expenditures up to June 30, 1920, shows the percentages of total expenditures of State Highway funds to be as follows:

Construction of highways; engineering, inspection and surveys on contracts; preliminary surveys, 91.786%.
Machinery, equipment and stores, 3.429%.
Administration expense at the 7 division offices, 3.067%.
Administration expense at headquarters, 1.718%.
Total, 100%.

Still another statement complains of the width of California roads. The greater part of the mileage of State highways is today amply wide for the traffic it is required to serve. All paved roads are designed so that they can be widened when necessary without loss of the original investment.

Certain trunk roads now need widening, but the opposition of the auto clubs of the State in the last Legislature to the Morris Bill which proposed to make the nominal increase of $1 a year in Motor Vehicle fees on the average passenger car but a very substantial increase of such fees on trucks, prevented the Highway Commission from getting sufficient revenue to do as much of this work as it had hoped to do.

Nor should the fact be forgotten that had the California Highway Commission built 20 and 24 ft. roads as the Auto Club declares should have been built, California today would have 750 miles less of paved State roads than it now has. In other words, the paved mileage of the State would have been cut by one-third. The value of mileage to California is emphasized in the report of the U. S. Bureau of Public Roads on the California highway system. That report estimates an annual return to California from paved State highways of $20,000,000 on a total investment of $42,000,000.

H. G. Butler, State Power Administrator under the Railroad Commission, has resigned to enter into private engineering practice. Butler had been with the commission for eight years. Previously he assisted in the building of the Panama canal and directed the building of street car systems in the middle west. He was made power administrator at the beginning of the war when the vast amounts of power used for government work necessitated a strict allocation of the remaining supply.

The Observer

Oakland is without a city planning commission, Mayor John L. Davie having accepted the resignations of the entire board. Behind the resignations is said to be a feeling that Mayor Davie has not been interested in the activities of the commission as organized and that, with the coming of July, when Davie will have control of the Council, he will prefer to name a new board. Members of the commission which resigned are Bruce Maiden, Harry Lafler, Roscoe D. Jones, Wm. Knowles, F. F. Soderberg, H. L. Hagan and Geo. Mattis.

Geo. W. MacRae, contractor and builder, died in an Oakland hospital June 22, following a brief illness. Mac Rae is conceded to have built more structures in Alameda than any other contractor. He was born in Prince Edward Island. For 35 years he has been a resident of Alameda.

Speaking of "food for thought" we might say that Los Angeles was second among the cities of the United States in building operations for the month of May, 1921, with her new high monthly record of $7,433,760. New York heads the list with a total of $46,307,686, this amount covering 3941 projects. Long Beach, Cal., was twentieth on the list with nearly a million and a half, while San Francisco was twenty-fourth with a total of $1,097,151. What's the matter with San Francisco?

Secretary of War Weeks has advised Congress that improvement of Santa Barbara harbor is inadvisable at this time. This means that Federal Aid for building of a breakwater at Santa Barbara will not be forthcoming. The fight for the improvement will not be abandoned, however, by those who have faith in the possibility of developing a harbor at Santa Barbara.

The S. P. Brick & Tile Co. of Fresno has been incorporated with a capitalization of $250,000, in dollar shares and three of these subscribed by the incorporators. They are H. W. Shields of Fresno, W. D. Trewhitt of Hanford and L. E. Hayes of Exeter.

Prof. C. W. Cook of the civil engineering department of the University of Southern California, announces he has opened an office for structural, engineering and surveying at 3651 University Ave., Los Angeles. Prof. Cook has had about ten years' experience in reinforced concrete, structural steel and timber construction, and about the same as licensed surveyor.

Contra Costa County Building Trades Council is planning to enter the building material business. Preliminaries for forming a permanent organization are under way. Headquarters will be maintained in Richmond.

The Interlocking Tile & Sewer Pipe Co. is the name of a company organized at Indio with a capital stock of $250,000 to develop clay deposits near Indio, Cal. Officers of the company are J. A. Gordon, president; J. A. Nelson, vice-president; J. P. McNally, secretary; J. Win. Wilson, treasurer.

Building contractors of Porterville, Cal., have formed an organization, the first of its kind in Tulare County, with John Templeton heading the association. Other officers are C. V. Hamilton, vice-president; Geo. Simpson, secretary; Carl Greenough, treasurer. The idea of the organization, according to the promoters, is to better serve the public and especially to eliminate unnecessary expense to the builder.

Oakland's waterfront earned $13,555.05 during the month of May, according to a report submitted to the City Council by City Wharfinger W. J. Mastersen. Waterfront leases brought $3063, dockage netted $3830, and tolls earned $5509. A total of 395 vessels arrived in port during May, with a tonnage of 259,730. Some 82,145 tons of cargo were handled over the city wharves, and 4,286,500 feet of lumber.

The Link-Belt Co. has acquired all of the capital stock of the H. W. Caldwell & Son Co., and Mr. Frank C. Caldwell has been elected director of the firm. The Caldwell plant will continue to operate under separate corporate existence and under its present name.

The A. J. Gordon Lumber Company's mill, seven miles north of Dorris, Cal., was destroyed by fire June 27. The plans was valued at $60,000 and insured for $20,000.

The Buffelen Lumber & Manufacturing Company, Tacoma, is erecting a $160,000 veneer factory, a $150,000 power house and a $50,000 planing mill.

A booklet covering the use of concrete for farm and home has been issued by the Portland Cement Ass'n, 111 West Washington St., Chicago. Copies will be furnished on request.

Harry C. Newkirk, former city councilman of Berkeley, has been named Sanitary Engineer of that city to solve Berkeley's garbage problem.

Building of American marine Diesel engines on a large scale will be begun by the Bethlehem Shipbuilding Corp., at its San Francisco and Alameda plants, according to J. J. Tynan, the general manager and vice-president of the corporation.

Articles of incorporation have been filed at Martinez by the Santa Fe Bldg. Assn. Company is capitalized at $50,000. Directors are August Bruns, Alois Gadner, James H. Gibb, B. Shapiro and F. W. McEwen.

Berkeley City Council has adopted a new building code. The law was drawn up by a builders' committee composed of Henry McCullough, contractor; James W. Plachek and W. H. Ratcliff, Jr., architects; Professor O. M. Washburn of the university; J. W. Jefferson, secretary of the Board of Public Works; Building Inspector Robert Greig and City Engineer C. L. Huggins.

In an effort to stimulate building in Stockton the contractors, mechanics and supply men of that city are getting together on a general cost reduction plan. It is said some very gratifying progress has been made.

Attorney General U. S. Webb, in an opinion given the State Highway Commission, holds that the members of the commission are entitled to traveling expenses, whether they come to Sacramento on official business, or their duties take them elsewhere. It previously had been the belief that only members of the Advisory Board were entitled to such traveling expenses. Webb says the commissioners are carrying out the provisions of the law and therefore are entitled to their expenses.

Articles of incorporation have been filed with the County Clerk at Woodland, Cal., by the A. Meister Sons' Co., which proposes to take over the plant of the defunct Pacific Car Building Co. The concern is capitalized for $1,000,000. The Stockton Tractor Co. is a party to the reorganization scheme. The new concern proposes to take care of Yolo County capitalists who have invested close to $1,000,000 in the defunct concern.

STONES ABSORB WATER

Stone is by no means impervious to water. Some kinds, notably coarse sandstones, hold a large percentage. Even marbles absorb considerable quantities. The absorptive capacity of limestones ranges from 7 per cent or more down to practically zero. Porous limestones, in which the pore space ranges from 10 to 15 per cent, will absorb from 4 to 6 per cent of water, according to the United States Geological Survey, Department of the Interior, whereas semi-crystalline and crystalline limestones or marbles have lower percentages of pore space and of absorption, such marbles as those from Vermont, Tennessee and Georgia being almost nonabsorbent. Pumice stone, which is usually lighter than water, owing to its great amount of pore space, will absorb large quantities of water; obsidian and volcanic glass, which are of the same chemical composition as pumice stone, but several times heavier than water, will absorb none. Quartzite, granite and the numerous eruptive rocks are practically impervious to water.

CITY PLANNING IS DONE BY AIRPLANE

Plotting, stree tstraightening and extension by means of airplane photographs is one of the latest exploits of the engineer's department of the City and County of Honolulu. The photographs were taken over to the city under authorization from Major General C. G. Morton, commanding the Hawaiian department.

MIDWEST ENGINE COMPANY OPENS SAN FRANCISCO OFFICES

The Midwest Engine Co. announces the opening of a San Francisco district sales office in the Rialto Building in charge of Mr. Kirk W. Eichelberger. Mr. Eichelberger is an expert engineer, and his wide experience makes him especially qualified to render valuable service on the following: Midwest Centrifugal Pumps, Deep Well Pumps, Reciprocating pumps and Steam Turbines.

SMITH-BOOTH-USHER ANNOUNCES ARRIVAL OF NEW STOCK

The Smith-Booth-Usher Co. announces the arrival of new stock from the Lakewood Engineering Company. Receipt of the material places the company in a position to take care of the requirements of contractors in immediate need of concrete road building or construction equipment. In addition to the new equipment the company also announces receipt of a shipment of repair parts.

WILL PAY NO ROYALTY ON ROAD ROLLER USE

The Associated Pennsylvania Highway Contractors advises members to make no move in the matter of paying a royalty of $50 per mile of completed road where the Macon Concrete Roller Company's patent roller was used. In the Northern District Court of Georgia the patent was held to be valid in a suit against Brooks-Calloway Co., Atlanta contractors, and in publishing this decision, the Macon Concrete Roller Company announced its intention of collecting royalty where their apparatus had been employed. The Pennsylvania Association figures out that rollers selling for $250 would yield $25,000 in such royalties on 500 miles of road work throughout the State, and believes this is "grossly excessive of a proper charge for a roller which should be sold outright at a reasonable profit, provided the Georgia legal decision is not overruled. Various estimates have placed the cost of manufacture of a roller to be between $5 and $10. Conservative estimate of the life of a roller would be 10 miles of road."

ROBINSON ROAD BILL IS PASSED BY HOUSE

After heated debate the House passed the Robinson Road bill, designed particularly to keep in good condition highways improved by Federal funds. Although supported by a majority of the House roads committee, the bill was vigorously opposed by Chairman Dunn and other members who argued that it would benefit sparsely settled states at the expense of populous ones. Under the measure states would be given three years in which to establish funds of maintenance of Federal aid roads. Should a state, after proper notification, fail to make the specified improvements the Federal government would undertake the work at the state's expense, and until settlement was made on further projects for Federal aid construction in that state would be approved.

HIGHWAY BODY TO MAKE STUDY OF LIGHTING ROADS

The problem of providing proper light for country roads is to receive careful consideration in the construction of the Ideal section of the Lincoln Highway.

The great increase in the volume of heavy freight trucking on main routes between large centers, where in many instances motor express lines operate on regular schedules and frequently at night along roads already congested with a heavy passenger traffic, has brought the question of illuminating rural roads to the foreground.

A number of important main highways have been lighted for certain distances through the open country, but it is doubtful if a careful and detailed scientific study of the problems involved has as yet been made.

The methods employed to light such highways as have been illuminated have varied with the ideas and finances of the many scattered counties and communities undertaking such lighting and the results have frequently been disappointing. In fact, many drivers have complained that some methods of lighting rural roads defeat their own purpose in making the road even more dangerous for night travel than if it were left totally dark, and drivers left to depend upon their own headlights.

P. G. & E. Second Largest Gas and Electric Company in U. S.

Company's Report Covering Fiscal Year Ending December 31, 1920, Shows $34,475,372 of Gross Operating Revenues. Steps Being Taken to Develop Huge Hyrdo-Electric Installations. Report Shows $11,314,609 Expended in Construction During Year 1920.

In the volume of its business the Pacific Gas and Electric Company, with $34,475,372 of gross operating revenues during 1920, now ranks as the second largest gas and electric company in the United States, being exceeded only by the Commonwealth Edison Company of Chicago, with gross earnings in 1920 of $35,317,134. The gross earnings of the Pacific Company exceeded those of the New York Edison Company, supplying the metropolitan area of New York City, by $668,000.

The company's financial showing is of especial interest to California investors, as approximately $105,000,000 of its stocks and bonds are held in this State by more than 30,000 private investors, savings banks and other fiduciary institutions. The company's statement that the amount available for the payment of fixed charges was $11,935,235, or 2.4 times all interest charges, and that after the payment of the regular 6 per cent dividends upon its first preferred stock, aggregating $1,777,933, there remained a balance of $2,142,026, will undoubtedly be received with satisfaction by those investors at a time when many railways and industrial enterprises of national scope and importance, which do not possess the inherently stable earning power of gas and electric utilities under depressing business conditions, are now reducing or passing dividends altogether. The company's 5 per cent common stock dividend was also earned by the comfortable margin of $441,180.

As the company's earnings under the existing system of public regulation are based upon only a fair rate of return on the value of it sproperties and without any regard whatever for the amount of stocks and bonds outstanding, the company's statement that its plants and properties account at the close of the year stood at $164,655,623 should be extremely reassuring to the company's security holders. Of this amount $91,875,790, or almost 60 per cent, represents cash actually invested in new construction and the acquisition of properties in the last 15 years, as shown in detail in the report.

The company's contribution to the upbuilding of the material resources of the State and the development of its agricultural, mining, manufacturing and other basic industries is indicated by the fact that it has either completed, or will bring to completion at an early date, 138,741 h.p. of additional hydro-electric installations, in addition to 16.756 h.p. of additional electric energy in its steam stations, a total of 155,497 h.p. Even before undertaking these new developments, the company was one of the largest owners and the United States and the significance of these figures may be grasped by the fact that they actually represent an additional generating capacity equivalent to more than 50% of its former water power capacity, and more than one-third of its former capacity if steam stations be included. In this and other new construction, $11,314,609 was expended during the year.

Comparing costs prevailing in 1920 against pre-war costs, fuel oil is shown to have gone up 152%, labor 56%, taxes 163% and materials 40%. Contrasted with this, the average revenue derived from a kilowatt-hour of electricity increased but 15.9% and from a thousand feet of gas, 15.2%. The opinion is expressed that a beneficial readjustment of some of these costs may be anticipated, and that when the new hydro-electric plants on the Pitt and Stanislaus Rivers, now under construction, are placed in actual operation, substantial economies should result. The company's customers are already receiving the benefit in reduced surcharges of some of the economies anticipated in this report. The amount of the company's taxes in 1920 was $2,558,799 or 21.69% of its net operating income.

In pursuance of its policy of maintaining its properties in first class physical condition—a prerequisite of the high standard of service expected of California utilities—there was expended for maintenance during the year $2,740,210, in addition to $2,788,302 set aside as a reserve for depreciation. Upkeep expenditures during the past fifteen years have averaged more than $3,000,000 per annum.

Conservatism in the management of the financial affairs of the corporation is indicated by the fact that in the last fifteen years, less than one-third of the net earnings was paid out in cash dividends, no less than $40,726,000 of net earnings having been used to retire bonds, reinvested in the property, or expended for replacement and rehabilitation.

Net working assets of $12,053,084 are reported, including cash and United States Treasury Certificates of Indebtedness of $3,078,402. This is a betterment of $1,050,702 in the company's cash position as compared with the close of the preceding year.

6800 employees and 677 motor vehicles are employed in the operation of the company's various departments.

IF CONSTRUCTION WERE NORMAL IN 1921

It is estimated that normal building construction at present costs would require for manufacturing, $306,000,000; residences, $1,195,000,000; business and public works, $396,000,000; public utilities, $492,000,000; miscellaneous building, $303,000,000; railways, $328,000,000; making a total of $3,020,000,000 annually. This is exclusive of highway construction, irrigation, hydro-electric work, river and harbor work.

DOCUMENTS AVAILABLE

The following documents may be obtained from the office of the Superintendent of Documents, Washington: "Plans of Rural Community Buildings" by W. C. Nason, covering types of buildings, architecture, the site, construction, building costs, etc.; price, 10c. "Discussion of the National Electric Safety Code" to accompany third edition of the code. Hand book series of the Bureau of Standards, No. 4; price, 40c. Do not send stamps.

Effect of Age on the Strength of Concrete

By DUFF A. ABRAMS

PORTLAND CEMENT ASSN.
San Francisco, June 27, 1921.
Building & Engineering News,
560 Mission Street,
San Francisco, Calif.
Gentlemen:

Through your columns you gave some publicity to the report of the U. S. Bureau of Public Roads on the California Highway System. The test on cylinders as made by this agency showed lesser strengths for some of the older concrete than it did for some of the later. From this the conclusion was drawn (see page 114 "A Study of the California Highway System" by the U. S. Bureau of Public Roads, 1920) that concrete decreased in strength with age.

Prof. Duff A. Abrams, professor in charge of the Structural Materials Research Laboratory of the Lewis Institute, Chicago, than whom there is no greater authority on concrete, draws conclusions entirely different and I am attaching herewith a copy of his discussion, hoping that you will consider it of sufficient value to give publicity to it through your valued columns.

Yours very truly,
ARTHUR P. DENTON,
District Engineer.

Figure 1 is reproduced from "A Study of the California Highway System," by the U. S. Bureau of Public Roads, 1920, page 114. Compression tests were made on 4½-in. concrete cores cut from the pavements. The strengths have been corrected for length of specimen as compared with their diameter and weighted on the basis of the number of tests included in a given average. The report contains the following comments on these tests:

"The strength of the concrete is very nearly constant for all pavement classes, and, with the exception of Class A, the average for 1-2-4 concrete for the various classes is higher than for the 1-2½-5. The general average for both 1-2½-5 and 1-2-4 concrete decreases with age with a single exception of 1-2-4 concrete at 4 years and 1-2½-5 concrete at 5 years. In the case of 1-2-4 concrete only 6 specimens were tested at the age of 4 years, which may account for the comparatively high results. In general, there seems a slight tendency for the concrete to decrease in strength with age. This general tendency follows also within the various pavement classes, although there are several exceptions."

The same diagram appeared in "Public Roads" for April, 1921, in an abstract of the above-mentioned report, with the following comments:

"(b) That since the average corrected testing strength of concrete cores is above 3,000 pounds to the square inch the concrete itself is not generally defective in strength nor does it show any wear by traffic.

"(c) The average class condition of all concrete pavement indicates a slow progressive deterioration with the age of the pavement and indicates also that the type built tends to reach its approximate stage of classification comparatively soon and thereafter to change more slowly.

"(d) The diagram showing average strength as determined by cores tested from concrete laid during the various years indicates that there may be a slow progressive deterioration of the concrete itself, or 'fatigue' in a thin slab subject to excessive flexure."

It seems to the writer that the authors of the above mentioned reports have misinterpreted this diagram when they state that these tests show "a slight tendency for the concrete to decrease in strength with age" and "that there may be a slow progressive deterioration of the concrete itself, or 'fatigue' in a thin slab subject to excessive flexure."

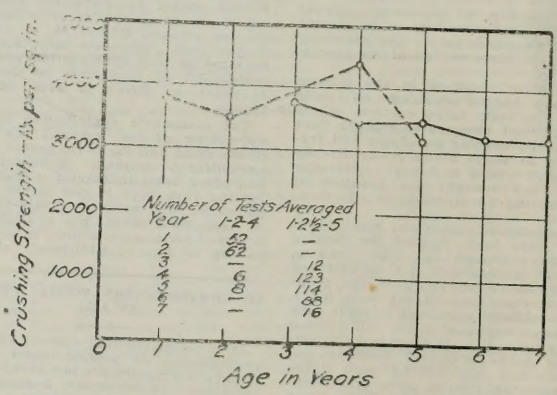
The writer can find no evidence either in the reports of the Bureau of Public Roads or elsewhere to indicate that the compressive strength of this concrete was reduced by "fatigue in a thin slab, due to excessive flexure." The first evidence of excessive flexure would be a tension crack in the concrete. It seems extremely unlikely that enough of these cores contained such cracks, even if in incipient form, to cause a material reduction in compressive strength, especially when we consider that the cores were loaded at right angles to the flexural stresses.

The writer places an entirely different interpretation on the tests in Fig. 1. Instead of showing a progressive deterioration of the concrete, it shows that there has been a **progressive improvement in the quality of the concrete** during the period covered by the work of the California Highway Department—sufficient improvement in fact to more than counteract the advantages of age on part of the older concrete pavements. Although all the work was done under the same specification, it is probable that increased experience on the part of contractors, more careful preparation and proportioning of materials, better inspection, and other factors of this kind are responsible for the marked improvement in quality of the concrete.

The notion that the strength of concrete deteriorates with age is based on the results of tension tests of mortar briquets. In a paper on the "Effect of Age on the Strength of Concrete" published in the Proc. American Society for Testing Materials, 1918, Part II, the writer showed that briquet tests of mortars gave entirely erroneous results, due to the shape of the specimen in which (as pointed out by Johnson in 1898 and Coker in 1912) the stress across the section is far from uniform. In other words the falling-off in strength of mortar briquets is due to the **form of specimen** and does not reflect the true properties of concrete. Tension tests of briquets practically always show this result both for water or air storage. On the other hand concrete which is in contact with moisture continues to increase in strength indefinitely. Tests were cited in the above mentioned report up to 9 years. (See "Concrete-Steel Construction" by Morsch). Under these conditions the strength is a loganithmic function of the age; in other words the strength is proportional to the logarithm of the age, expressed in weeks or months.

Water is necessary for the continued hydration of cement. Consequently, if the concrete **dries out** there is little or no further increase in strength. This shows the importance of keeping concrete moist for several days after it is placed. Tests reported in our Bulletin 2, "Effect of Curing Conditions on the Wear and Strength of Concrete," showed that the presence of moisture during the first few days exerted a most important influence on both the strength and wearing re-

Fig. 1



From "Study of California Highway System" by the U.S. Bureau of Public Roads 1920 — page 114.

sistance of concrete.

A study of a large number of tests made in the Structural Materials Research Laboratory gives the relations between age and strength of concrete cured under different conditions, shown in Table 1 and Fig. 2. The values are plotted to a logarithmic scale of ages. Each of the values for damp sand or moist air storage (Curve A) is based on about 100 tests made in 6 different series made over a period of about 5 years. The points for Curves B and C are each the average of 15 tests. The concrete was of mixtures similar to that used in road construction.

Curve A illustrates the point made above to the effect that so long as moisture is present, **the strength of** the concrete is porportional to the logarithm of its age. Both curves B and C show that no material increase in strength may be expected after the concrete has fully dried out. The strengths due to intermediate conditions of storage will fall somewhere in the region between Curves A and B.

If concrete is exposed to moisture at any time after being dried out, the hydration of the cement is resumed as shown by the increase in strength of the concrete. The process of hardening is simply arrested during the period when the concrete is dry. It was shown by tests made at the University of Illinois and reported by Prof. H. F. Gonnerman in Proceedings of the American Concrete Institute, 1918, p. 101, that specimens which had been in dry air for 2 years showed a rapid increase in strength when placed in damp sand. In these tests there was little or no increase in strength in the air-stored specimens between 1 month and 2 years.

Another valuable report will be found in a recent paper entitled, "Effect of Age and Curing Conditions on Concrete—Results of 10-year Tests," by Prof. M. O. Mithey, published in the Wisconsin Engineer, Nov. 1920, and in Engineering and Contracting, Nov. 24, 1920. These tests showed that concrete cylinders stored in forms for 3 days, sprinkled daily until 14 days old, then placed outdoors with ends in contact with damp soil gave strength up to 10 years which were only slightly less than for similar specimens stored in water for the entire period.

In roads where the concrete may receive moisture from the damp subgrade and from seasonal rains and snows we would expect to find a gradual ascent in the age-strength curve for an indefinite period of years. There is no reason to anticipate a reduction in strength with age, even in arid regions. After a careful study of all available data on the subject, the writer can state with the utmost confidence that under normal conditions, **concrete in roads does not deteriorate in strength with age.**

TABLE NO. 1

Effect of Age on the Strength of Concrete

Compression tests of 6 by 12-in. cylinders.

28-day strength of specimens stored in damp sand (for moist air) considered as 100%.

Mixtures 1-5 and ¼; aggregates, sand, and pebbles graded up to 1½ in.; consistency similar to that used in road construction.

(A), (B) and (C) refer to corresponding curves in Fig. 2.

Relative Strengths of Concrete for Different Curing Conditions

Column (1), Age at Test; Column (2) Damp Sand or Moist Air (A); Column (3) Dry Air (B); Column (4) Damp Sand 14 Days Remainder in Dry Air (C)

3 days	25%	30%	25%
7 days	60%	55%	60%
14 days	80%	70%	80%
28 days	100%	85%	110%
2 months	120%	92%	125%
3 months	130%	93%	127%
6 months	150%	95%	130%
1 year	160%	95%	130%
2 years	185%	96%	130%
3 years	195%	——	——

NOTICE TO SUBSCRIBERS

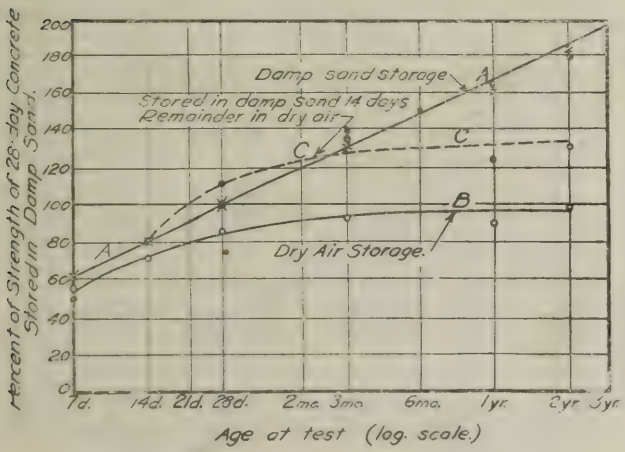
In making for information regarding Foreign Trade Opportunities read the directions carefully and fully and follow them.

Many do not do this and much annoyance and delay is caused by this carelessness.

The last toll road in New Jersey passed into history when the state highway commission purchased a four and one-half mile stretch near Camden for $70,000. The road was constructed in 1850.

England used steam shovels in construction work until 1920.

Fig. 2



ADDITIONAL MILLIONS TO BE VOTED FOR HIGHWAYS

In addition to the billion dollars already available in bond issues and direct levies for Federal, State, County, District and Municipal Highway work, most of which was provided during the past three years for expenditure in 1921 and 1922, new bond issues now contemplated have been reported this week to Highways Information Service, New York City, amounting to $164,371,355.

The figures include contemplated bond issues for State Highways, county, township and district roads and city streets. By states the proposed new bond issues are as follows: Alabama, $1,087,000; Arizona, $735,000; Colorado, $5,000,000; Connecticut, $40,500,000; Delaware, $410,000; Florida, $2,094,000; Georgia, $1,045,000; Indiana, $795,000; Iowa, $750,000; Kansas, $261,000; Louisiana, $150,000; Maryland, $120,000; Michigan, $3,195,000; Minnesota, $1,783,000; Massachusetts, $74,000; Mississippi, $520,000; Missouri, $10,414,000; Montana, $200,000; Nebraska, $510,000; New Jersey, $5,187,000; New Mexico, $147,000; New York, $2,109,242; North Carolina, $5,765,000; Ohio, $14,596,139; Oklahoma, $1,114,000; Oregon, $1,006,000; Pennsylvania, $53,453,000; South Carolina, $2,915,000; Tennessee, $3,262,500; Texas, $3,681,000; Virginia, $810,000; Washington, $129,000; West Virginia, $21,000; Wisconsin, $1,231,000; and Wyoming, $300,000.

Foreign Trade Opportunities

[Where addresses are omitted they may be obtained from the nearest **branch office of The Bureau of Foreign and Domestic Commerce** by application in letter form.]

It is requested that, in asking the Bureau of Foreign and Domestic Commerce for information regarding Trade Opportunities or reports of consular officers, correspondents **specify the number of the "opportunity"** or the author and date of the report sought, giving also any other data that might be useful in enabling the bureau quickly to identify the report sought. The list of offices for Pacific Coast follows: **San Francisco, 310 United State Customhouse; Seattle, 107 Alaska Building.**

NOTE:—Be Careful that enough postage is placed on all catalogues. Complaint is made that Americans are careless about this.

35027.—Owners of theatres in several cities in MEXICO who are about to construct a modern theatre building desire to receive quotations for a pipe organ and 1,200 14 or 16 inch opera chairs. Prices should be quoted c. i. f. El Paso, Texas. Terms, one-third cash and balance to be paid by monthly installments. Reference.

35031.—A Government commissioner in CHINA desires to secure information from manufacturers in regard to prices, terms, etc., for the purchase of road-making machinery, such as wheel scrapers, graders, and possibly steam rollers. Terms, cash upon receipt of machinery.

35032.—An inquiry has been received from a man in HAITI for the purchase of windmills; pumps, piping, and other accessories to be used for drawing water from river; and also horns for a fire-engine station. Catalogues and quotations are requested.

35054.—A mercantile company in MEXICO desires to secure an agency for the sale of office safes of various types and sizes. Quotations should be given f. o. b. factory. References.

35064.—A mercantile firm in MEXICO desires to secure the representation of manufacturers and exporters for the sale of an iceless refrigerator. References.

Building News Section

APARTMENT HOUSES

Sketches Being Prepared.
APARTMENTS Cost, $14,000
OAKLAND, Alameda Co., Cal. Near Lake Merritt
Two-story frame and plaster apartment house (4, 4-rm. apts).
Owner—Withheld.
Architect—James T. Narbett, Easton Bldg., Oakland.

Contract Awarded.
APARTMENTS Cost, $30,000
SAN FRANCISCO. E Van Ness Ave. bet. Vallejo & Green.
Two-story & basement frame & plaster apts. (8 3-room apts. & basement garage for 8 machines).
Owner—Mrs. A. M. Waters & Mrs. Rose E. Lawton.
Architect—O. R. Thayer, 110 Sutter St.
Contractor—Kincanon & Perego, 159 Sutter St.

Permit Applied For.
APARTMENTS Cost, $100,000
SAN FRANCISCO. E Powell 68-6 N Bush Street.
Six-story and basement brick (34) apartments.
Owner—Edward Beck, 281 Lee Ave., Oakland.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $20,000
SAN FRANCISCO. Nob Hill.
Three-story and basement frame and plaster apartments (six 3-room apts.)
Owner—Withheld.
Architect—Albert Fabre, 110 Sutter St., San Francisco.

Sub-Figures to be Taken Shortly.
APARTMENTS Cost, $625,000
OAKLAND. NW Jackson & 19th Sts.
Eight-story & basement reinforced concrete apt. house (48 5 & 6-room apts) also 2-story garage in rear.
Owner—Company promoted by S. W. Straus & Co., Crocker Bldg., S. F.
Architect and Contractor—Palmer & Peterson, 681 Market St., S. F.

Contracts Awarded.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal. 1819 7th Ave.
Alter 2 and one-half story frame residence into apt. house (12 3 and 4-room apts.)
Owner—Louis Wiener.
Architect—Sidney B. & Noble Newsom, Nevada Bank Bldg., S. F.
Carpentry work, etc., awarded to McIntosh Bros.
Electrical work to Roberts Mfg. Co.
Plumbing to Al M. Feary, Emeryville.

Contract Awarded for Carpentry Work.
BUNGALOW APTS. Cost, $16,000
ALAMEDA, Alameda Co., Cal. NE Union and Alameda Ave.
Three 1-story frame and brick veneer bungalow apts. (2 3-room apts. in each bldg.)
Owner—Max Claussenius, 1813 Alameda Ave., Alameda.
Architect—Sidney B. & Noble Newsom, Nevada Bank Bldg., S. F.
McIntosh Bros. have been awarded a contract for the carpentry work. Figures are being taken on the balance of the work.

Contract Awarded.
APARTMENTS Cost, $12,500
OAKLAND. N 41st St. 180 W Webster.
Two-story frame 15-room apartment house and 3 garages.
Owner—Mathew J. Brennan, Oakland.
Architect — Schirmer - Bugbee Co., Thayer Bldg., Oakland.

Contract Awarded.
APARTMENTS Cost, $10,000
SAN FRANCISCO. W 27th Ave. 100 N Geary.
One-story & basement frame (2) apts.
Owner—J. Rapheld, Monadnock Bldg.
Architect—J. F. Dunn, 401 Phelan Bldg.
Contractor—F. A. Legault, 401 Phelan Bldg.

Segregated Figures to be Taken in About a Week.
APARTMENTS Cost, $525,000
SAN FRANCISCO. NW Washington & Gough.
Seven-story & basement reinforced concrete apts. (14 10-room apts.)
Owner — Wm. B. Wellman & W. F. Foster.
Architect — C. A. Meussdorffer, Humboldt Bank Bldg.

BANKS

Plans Being Prepared.
ALTERATIONS Cost, $100,000
SAN FRANCISCO. N Market W of Third (Mutual Bank)
Extensive alterations to store & banking room (marble work, bronze, vaults, etc.)
Owner—Bank of Italy.
Architect — C. E. Gottschalk, Phelan Bldg.

BONDS

YUBA CITY, Sutter Co., Cal.—An election will be held in the Central-Gaither Union School District July 16 to decide the question of issuing and selling bonds of $38,000 for school improvements. Trustees of the District are: M. J. Carlile, W. A. Lytken, John Seufert, R. C. DeWitt and C. H. Hartwig.

SANTA CRUZ, Santa Cruz Co., Cal.—Until July 6, bids will be received by the Supervisors for the purchase of $4,000 bond issue of Happy Valley School District, and $4,000 issue of Zayante School District, proceeds of the sale in each instance to finance construction of school improvements.

VISALIA, Tulare Co., Cal.—State Board of Control purchase $4,800 bond issue of Grand View Heights School District, proceeds of sale to finance construction of new school; $40,000 block of Porterville Union High School District bonds, totaling $365,000 also sold by Supervisors, proceeds of sale to finance new high school. The $40,000 will purchase the site for the structure.

CHICO, Butte Co., Cal.—Jas. L. McLaughlin, 251 Kearny St., San Francisco, who has the general contract to erect the new Chico High School, has purchased the $200,000 block of bonds to finance completion of the structure as originally planned by Architects Woollett & Lamb, Physicians Bldg., Sacramento.

FULLERTON, Orange Co., Cal.—The water bond election has been set for July 14 and the amount fixed at $280,000

FRESNO, Fresno Co., Cal. — Until July 5 bids will be received by County Supervisors, D. M. Barnwell, Clerk, for purchase of following school bond issues, proceeds of sale in each instance to finance school improvements: Bender School District, $15,000; Tellman School District, $20,000; McKinley School District, $37,000; Sunset School District, $6000; Teague School District, $19,000.

NAPA, Napa Co., Cal.—County Supervisors sell $290,000 Napa High School District bond issue for premium of $1178.50. Plans for structure to be erected from proceeds of sale being completed by Architect W. H. Weeks, 75 Post St., San Francisco.

SAN JOSE, Santa Clara Co., Cal. — Until July 18, 10 a. m., bids will be received by County Supervisors for purchase of $25,000 bond issue of San Ysidro School District, proceeds of sale to finance construction of a new school building.

MADERA, Madera Co., Cal.—Bond of $86,000 were voted at a recent election to finance extension of the sewer system as did the $41,000 proposition for extending the water system. Frank Nikirk, City Engineer.

CHURCHES

LINDEN, San Joaquin Co., Cal.—Steps are underway to secure funds to erect a new $25,000 Methodist Church. of the amount required $20,000 is available. Building committee consists of D. W. Miller, chairman; Hart Morrill, B. W. Potter, W. F. Coffin and Amon Swank.

FACTORIES & WAREHOUSES

LOS ANGELES, Cal.—The Jacobs Construction Co., H. W. Hellman Bldg., Los Angeles, submitted the lowest bid at $74,973, on general contract for a 5-story reinforced concrete addition to warehouse of Los Angeles Board of Education, 1435 San Pedro St., Los Angeles, plans by business department of board. E. W. Crowell Co., 744 San Pedro St., Los Angeles, was lowest bidder at $4075 on plumbing; D. Zelinsky & Sons, 929 W. 9th St., Los Angeles, lowest bidder at $2350 on painting, and J. Hokom, 4312 Moneta Ave., Los Angeles, lowest bidder at $4827 on heating. All bids referred to business manager of the board. The full list of bids received follows:

General Work—Jacobs Construction Co., $74,973; Lawrence B. Burck Co., $75,752; Bavin & Burch Co., $76,542; Edward C. English, $82,600; Davidson Construction Co., $83,600; Darrell Condley Co., $81,000; J. P. Kobler, $84,371; Wm. Simpson Const. Co., $90,070; C. A. Fellows, $91,495; K. R. Bradley Const. Co., $95,400; John Simpson & Co., $98,000; Frank Hudson, $99,738.

Plumbing—E. W. Crowell Co., $4075; H. E. Murray, $4585; Thos. Haverty Co., $4810; Arthur Hess, $5250.

Painting—D. Zelinsky & Sons, $2350; A. Quandt & Son, $3783; Alhambra W. P. & P. Co., $3975; A. Zelinsky, $4369; Arenz-Warren Co., $4590.

Heating—J. Hokom, $4827; Thos. Haverty Co., $5150; Arthur Hess $5663; Jas. A. Nelson, $5880.

TO BUILD FACTORY

PETALUMA, Sonoma Co., Cal.—A. G. Shenicka of the Schenicka Cleaning & Upholstering Works has purchased property in North Main street and plans erection of modern cleaning plant. The building to be 40 by 100 feet in size.

Figures to be Taken End of Next Week.
FACTORY Cost, $15,000
SAN JOSE, Santa Clara Co., Calif. Race and San Carlos Sts.
One-story reinforced concrete factory.
Owner—Modern Auto Painting Co.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Plans Being Figured.
WAREHOUSES Cost, $——
MELROSE, Alameda Co., Calif.
Two one-story hollow tile warehouses and a one-story storehouse.
Owner—Withheld.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.

Plans Being Figured.
FACTORY Cost, $——
RICHMOND, Contra Costa Co., Calif. Opposite Certainteed Products Co. Plant.
One-story brick and frame factory, 64 x204.
Owner—Republic Steel Package Co., S B. Merry, Treasurer.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Concrete foundations, wood roof trusses, composition roof, wood sash and brick walls.

Plans Being Prepared.
FACTORY Cost, $——
LOS ANGELES, San Fernando Road near Verdugo Road.
Brick & concrete factory 70x100.
Owner—C. C. Brown Candy Co.
Architect—T. Beverly Keim, Jr., 719 Haas Bldg., L. A.

Plans to be Prepared.
DAIRY Cost, $15,000
MODESTO, Stanislaus Co., Cal. 1216 H St.
Concrete dairy bldg. 40x60.
Owner—D. Lacazotte, Modesto.
Architect—Not given.

Plans Complete.
LOFT Cost, $——
LOS ANGELES. E 3rd St. near Wall.
Three-story brick loft bldg. 25x100.
Owner—W. H. Anderson, 137 Ave. 57, Los Angeles.
Architect — A. Godfrey Bailey, 3429 Lanfranco St., L. A.

Plans Being Prepared.
FACTORY Cost, $40,000
SAN FRANCISCO. South of Market.
Two-story & basement reinforced concrete factory bldg.
Owner—Louis R. Lurie.
Architect — O'Brien Bros., 240 Montgomery St.
Plans will be ready for figures in about a week.

Plans Being Prepared.
WAREHOUSE Cost, $20,000
FRESNO, Fresno Co., Cal.
One-story brick & concrete flour warehouse 78x130.
Owner—L. M. Lacy Co., Hanford, Cal.
Architect—Not given.

STOCKTON, San Joaquin Co., Cal.—Until July 12, 10:30 a. m., bids will be received by A. L. Banks, City Clerk, for construction and installation of 2 cargo aprons with hoisting machinery under new steel shed in north side of Stockton channel bet. El Dorado and Center Sts. Certified check for 10% payable to Clerk required with each bid. W. B. Hogan, City Engineer.

FIREHOUSES AND JAILS

FRESNO, Fresno, Co., Cal.—City Commissioner Dillon recommends that the City Engineer's office prepare plans for North End fire house and municipal garage; construction to be carried on by the city under the day labor plan. Wm. Stranahan, City Engineer.

SAN ANDREAS, Calaveras Co., Cal.—County Surveyor W. S. Coulter instructed by Supervisors to prepare plans for reinforced concrete jail building at town of West Point; same to be submitted at the next regular meeting.

OAKLAND, Alameda Co., Cal.—The following bids were received by Geo. E. Gross, Clerk of the Board of Supervisors of Alameda County, on June 27 for painting and repairing of the County Jail. The contract was awarded to R. Zelinsky, 180 Jessie St., S. F.

R. Zelinsky	$2795
S. McCarthy	2965
A. Forsstrom	3350
Zeb Knott	3550
Geo. A. Longfellow & Co.	3600
J. S. Nichols & Sons	3788
J. C. Hogan	4400
J. A. Turgeon	4475

GARAGES

Plans Being Prepared.
ALTERATIONS Cost, $5,000
SAN FRANCISCO. No. 2626 California Street.
Alter three-story frame residence for apartments and erect one-story reinforced concrete garage.
Owner—Miss White.
Architect—Walter C. Clifford, 1129 Jackson St., San Francisco.

Sub-Figures Being Taken.
GARAGE $20,000
LODI, San Joaquin Co., Calif.
One-story brick and reinforced concrete garage, 60x140.
Owner—Chas. H. Broadhurst and A. J. Munth.
Architects — Davis-Heller-Pearce Co., Delea Bldg., Stockton.

Plans Being Prepared.
GARAGE Cost, $——
OAKLAND, Cal. 30th St.
One-story reinforced concrete private garage 40x72 (glazed tile facing).
Owner—Withheld.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.

Preliminary Plans Prepared.
GARAGE Cost, $6000
OAKLAND. 146 Monte Vista.
Two-story reinforced concrete garage & chauffeur's 4-room apt.
Owner—Geo. Towne, premises.
Architect—B. G. McDougall, 381 Bush St., S. F.

GOVERNMENT WORK AND SUPPLIES

FORT MASON, Cal.—The U. S. Constructing Quartermaster has returned all bids for the Utilities Shop which was to be erected at Fort Mason. Construction has been postponed.

WASHINGTON, D. C.—The following bids were received by the chief of the Bureau of Yards and Docks, Navy Dept., Washington, June 20, under Spec. 4411 for machine shop, latrine, toilet facilities and building and fire engine house at the naval air station, San Diego, Cal.:

Item 1, entire work; 2, do, using gypsum precast roof slabs for machine shop; 3, do, using wood roof decks and built-up 4-layer asphalted asbestos felt roofing and copper sheet metal work for machine shop; 4, deduct from Items 1, 2 or 3 for omitting fire engine house; 5, deduct from Items 1, 2 or 3 for omitting fire engine house and toilet facilities building.

Frank Bryant, San Francisco, Item 3, $129,376, 150 days; 4, deduct $15,800; 5, deduct $20,916.

A. W. Quist Co., Seattle, Wash., Item 1, $155,475, 140 days; 2, $153,475; 3, $146,475; 4, $181,95; 5, $26,846.

K. E. Parker Co., San Francisco, Item 1, $200,000, 150 days; 2, $200,000; 3, $200,000; 4, $15,000; 5, $25,000.

Lange & Bergstrom, Timken Bldg., San Francisco, Item 1, $160,239, 300 days; 2, $161,239; 3, $156,968; 4, $23,090; 5, $31,850.

Walter Slater Co., Inc., Los Angeles, Item 1, $161,000, 180 days; 2, $160,000; 3, $154,000, 150 days; 4, $27,000, 30 days; 5, $39,000, 30 days.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., for furnishing and delivering materials under the following schedules; date of opening bids noted at end of each paragraph:

Schedule 8351, Mare Island, 20 induction type relays, 8 watthour meters, 14 ammeter switches, 4 transformers, 1 watthour meter, 20 rolls record paper and miscellaneous ammeters, opening of July 15.

Schedule 8387, various deliveries, 106,700 lbs. white zinc in oil; for Mare Island, 320,000 lbs. do, opening of July 8.

Schedule 8388, Mare Island, 500 water gauge reflex glasses, opening of July 15.

Schedule 8395, f. o. b. works, 90 gasoline tanks and 110 suspensions for gasoline tanks, opening of June 28.

Schedule 8403, Mare Island, 26,000 lbs. asbestos millboard, opening of July 19.

WASHINGTON, D. C. — Following bids were received by Bureau of Yards and Docks, Navy Dept., under Specification No. 4445, for constructing 2 radio towers at Sitka, Alaska:

U. S. Steel Prod. Co., Item 3, 10.05c.

E. E. Davis, Item 4, $16,850, 80 days; alternate, $14,975.

Hurley-Mason Co., Seattle, Wash., Item 1, $22,220, 175 days; 2, $15c; 3, $9530, 90 days.

Pittsburgh-Des Moines Steel Co., Item 1, $24,980; alternate, $23,900; 4, $11,576.

PROSPECTIVE NAVY YARD WORK

WASHINGTON, D. C. — Bureau of Yards and Docks, Navy Dept., Washington, D. C., preparing specifications for following Pacific Coast projects; further mention of which will be made when bids are wanted:

Specification 4473, San Diego, electric breakdown connection and temporary transformer house.

Specification 4478, South Boston and Puget Sound, 2 50-ton steam cranes for dry dock.

Specification 4479, Mare Island, renewal N. half building 85, navy yard.

Specification 4484, San Diego, quay wall.

Specification 4485, San Diego, dredging and filling repair base.

SEATTLE, Wash.—Bids for dredging Lake Washington ship canal received by U. S. District Engineer as follows:

Henry & McFee, 208 Northern Life Bldg., Seattle, 62c cu. yd.; total, $99,200.

Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, offer to rent to U. S. dipper dredge, 3 dump scows and 1 tug for $4500 per month plus cost of operation and ordinary repairs.

SAN DIEGO, Cal. — Following bids were received by Public Works Officer, San Diego, for constructing dolphins and repairs to fender system:

Ross Const. Co., Sacramento, Cal., Item 1, $2500, 90 days; 2, $100; 3, $2400; 4, $100.

San Francisco Bridge Co., San Francisco, Item 3, $2680, 90 days; 4, add $200 and deduct $75.

Ed Barclay, San Diego, Cal., Item 3, $3262.14, 60 days; 4, $80.

MARE ISLAND, Cal.—The following two bids were received on June 25 by the U. S. Public Works Office, Navy Dept., at Mare Island, for roofing north half of building with Ready-to-lay 4-ply asbestos roofing (area of roof, 11,400 sq. ft.) The bids were taken under advisement.

Johns-Manville Co., $11.50 per sq. ft., limit 6 days.

Martin Roofing Co., $1710, limit 6 days.

FORT MASON, Cal.—The bids were received June 21 by the U. S. Constructing Quartermaster's Office for furnishing labor and materials, and erecting a U-shaped hangar at Rockwell Field, have been rejected. New bids will be called for when additional funds are obtained. Hannah Bros. submitted the lowest bid at $29,500.

FORT MASON, Cal.—The following bids were received on June 27 by the Construction Quartermaster for constructing a 3-phase transmission line at Presidio of San Francisco:

C. C. Severin	$ 990
Butte Elec. & Mfg. Co	1369
Rex Elec. Co.	1583
Globe Elec. Co.	1642
N. S. Tittle	2000

The contract was awarded to C. C. Severin, 185 Stevenson St.

SEATTLE, Wash.—Until July 18, 11 a. m., under Circular No. 509, bids will be received by Alaskan Engineering Commission, 422 Bell St. Terminal, Seattle, for furnishing and delivering electrical switchboard and equipment; distribution panel; meters; wires and cables; induction motors; starting switches; transformers; centrifugal pump; oil switches; miscellaneous electrical supplies.

Further information regarding this circular may be had from San Francisco offices of the commission, 307 Customhouse.

HALLS AND SOCIETY BUILDINGS

POMONA, Los Angeles Co., Cal.—The Mountain Meadows Country Club is making plans for the establishment for a country club to cost $100,000. It is the plan of the club to establish an 18-pole golf course, erect a clubhouse, two concrete tennis courts, garages and other outbuildings. A. C. Abbott, Pomona; C. C. Warren, Glendora; D. S. Newcomer, La Verne; W. A. Johnstone, San Dimas, are directors.

Plans Being Prepared.
ADDITION Cost, $200,000
PASADENA. Santa Clara Ave. near Calaveras St.
Two-story & basement Class C hollow tile addition to home.
Owner—Pasadena Home for the Aged.
Architect—Frederick L. Roehrig, 312 Braley Bldg., Pasadena.

SACRAMENTO, Cal.—Salvation Army is planning construction of women's rescue home in Sacramento; approximately $47,500 will be expended in the structure.

BERKELEY, Alameda Co., Cal. — Brigadier Andrew Crawford of the Salvation Army is seeking a location in this city on which it is planned to erect a "barracks building." It is thought the structure will be located between San Pablo Ave. and the bay.

Plans Being Prepared.
CLUB Cost, $——
LOS ANGELES. SW Adams & Figueroa
Three-story & basement reinforced concrete auto club bldg.
Owner—Auto Club of Southern Cal.
Architect—Hunt & Burns, 701 Laughlin Bldg., L. A.

HOSPITALS

WEIMAR, Placer Co., Cal.—Definite plans have been reached to rebuild the service building at Weimar Sanitorium with concrete. The structure was recently destroyed by fire. Construction will be started when insurance negotiations are completed.

OROVILLE, Butte Co., Cal.—Dr. W. F. Gates, County Physician, and Archt. Chester Cole, Waterland-Breslauer Bldg., Chico, advise the Supervisors that the Butte County Infirmary should be enlarged, the present structure being inadequate to handle patients at the institution. Recommendations will be submitted at the next meeting of the county board.

HOTELS

RENO, Nev.—Preliminary plans are being prepared for a four-story annex on the Russ house property, to be used as an addition to the Golden Hotel and the addition of a one-story to the Golden structure, according to George Wingfield, owner.

PUBLIC BUILDINGS

SACRAMENTO, Cal.—The bid of Betz & Mabrey, 2528 41st St., Sacramento, asking $9,420 for completion of improvements at the Crocker Art Gallery was accepted by the City Commission.

The work will complete the remodeling and joining together of the Crocker Art Gallery and the Crocker Mansion.

Plans Being Figured—Bids Close July 15, 10 A. M.
EXHIBIT BLDG. Cost, $——
FRESNO, Fresno Co., Calif. County Fair Grounds.
One-story automobile exhibit building.
Owner—County of Fresno, D. M. Barnwell, County Clerk.
Architects—Coates & Traver, Rowell-Chandler Bldg., Fresno.
Certified check for 10% payable to county required with each bid. Plans on file in office of architects.

FRESNO, Fresno Co., Cal. — From present indications the Supervisors will appropriate funds in the new budget for the construction of a new county courthouse, the present structure being inadequate to handle the county business.

STOCKTON, San Joaquin Co., Cal.—The following bids were received on June 28 by Eugene D. Graham, Clerk of San Joaquin County, for the completion of the machinery building at Agricultural Park in Stockton. Plans were prepared by Architects Wright & Satterlee, Bank of Italy Bldg., Stockton. The contract will be awarded to Betz & Mabrey, 2528 41st St., Stockton.

Betz & Mabrey, Stockton	$29,700
L. S. Peletz, Stockton	30,500
Robert Powell, Stockton	29,997
Edward Gnekow, Stockton	32,446
W. C. Duncan Co., S. F.	35,750
Shepherd & Riley, Stockton	31,504
(Less $1100 for T. & T. tile)	
McLeran & Peterson, S. F.	32,960
(Less $1430 for T. & T. tile)	

Contract Awarded.
BUILDING Cost, $13,493
SAN FRANCISCO. Presidio of S. F. Vocational training building.
Owner—U. S. Government.
Architect—Owner.
Contractor — Mahony Bros., Flood Bldg., S. F.
Other bidders were:

Hannah Bros.	$14,496
Quinn & Reilly	15,334
Jas. Currie	15,744
A. Wegner	15,974
C. A. Bacon Co.	19,814

MADERA, Madera Co., Cal.—Bonds of $20,000 were voted at recent election to finance construction of new city hall and fire house.

RESIDENCES

Ready for Figures In About a Week.
RESIDENCE Cost, $——
VACAVILLE, Solano Co., Calif.
Two-story frame and plaster residence and separate garage (10 rooms and 3 bathrooms).
Owner—C. M. Hartley, Vacaville, Calif.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Being Done by Day's Work.
BUNGALOW Cost, $4,500
RICHMOND, Contra Costa Co., Cal.
Frame and plaster double bungalow.
Owner—Oliver McDowell.
Architect—Jas. T. Narbett, Easton Bldg. Oakland.

Plans Being Figured.
COTTAGE Cost, $8000
SAN JOSE, Santa Clara Co., Cal., S 1st St.
One-story frame & plaster cottage, 8 rooms & separate garage.
Owner—Carl Cianinrulo.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose, Cal.

Plans Being Figured.
RESIDENCE Cost, $9000
SAN JOSE, Santa Clara Co., Cal., Edenvale.
One & one-half-story 8 room frame & plaster residence (8 room & separate garage).
Owner—J. M. Martin.
Architect—Chas. W. McKenzie, Bank of San Jose Bldg., San Jose.
Crushed brick roof, hardwood interior and floors.

Plans being prepared—Figures to be taken next week.
RESIDENCE Cost, $5000
SAN JOSE, Santa Clara Co., Cal., Burbank District.
One-story 6-room frame & plaster residence.
Owner—T. Ehlert.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Contract Awarded.
RESIDENCE Cost, $12,000
SAN FRANCISCO. E 26th Ave. N of W Clay St.
Two-story frame double residence.
Owner—Mr. & Mrs. John & Margaret

McVeigh.
Supervising Archt.—August G. Head-Man, Call Bldg.
Contractor—John Little, 1035 Lincoln Way.
Other bidders were:

Emil Nelson	$12,250
Meyer Bros.	12,682
W. Hemminga	12,098
F. L. Hansen	13,085
Cohn & Nordstrom	13,066
M. Ingraham	13,366
John Morton	14,500

Plans Being Figured.
DWELLING $8,000
SARATOGA, Santa Clara Co., Calif.
Two-story frame (8 rooms) dwelling.
Owner—W. B. Foster, Saratoga.
Architect—Warren Skillings, Garden City Bank, San Jose.

Plans Being Figured.
RESIDENCE Cost, $7500
PALO ALTO, Santa Clara Co.
Two-story frame residence (7 rooms)
Owner—Mrs. E. A. Flanders, Palo Alto.
Architect — Warren Skillings, Garden City Bank Bldg., San Jose.

Contract Awarded.
RESIDENCE Cost, $5050
SAN FRANCISCO. E 36th Ave. 125 S Clement.
Two-story frame residence.
Owner—B. M. Rising, 460 31st Ave.
Architect—H. C. Baumann, 251 Kearny
Contractor—Meyer Bros., 5326 Geary

Figures Being Taken for Grading and Walks.
ADDITION Cost, $——
PIEDMONT, Alameda Co., Cal. 1101 Ashmont.
Two-story frame addition to residence (8 or 10 rooms).
Owner—Dr. F. M. Loomis.
Architect—Sidney B. & Noble Newsom, Nevada Bank Bldg., S. F.

Contract Awarded.
RESIDENCE Cost, $7600
IRVINGTON, Alameda Co., Cal.
Two-story frame residence.
Owner—Dr. Durham.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—Robert Irvine, Irvington.

SCHOOLS

RIVERBANK, Stanislaus Co. — The Trustees of the Riverbank School District received the following bids on June 23 for the construction of a one-story hollow tile school, and altering, wrecking and moving portions of the present building. Plans were prepared by Architect James H. Hoose, Ramont Bldg., Modesto. All bids were taken under advisement. (1) five rooms; (2) four rooms.
J. L. Webster, Chico, (1) $25,760 (2) $22,965
Randolph & Ward, Modesto, (1) $26,000 (2) $24,125
Tornell & Son, Turlock, (1) $26,996 (2) $23,821
Miller & Livingston, Modesto (1) $27,031 (2) $24,655.90
W. A. Stevens, Modesto, (1) $27,123 (2) $24,223

COTATI, Sonoma Co., Cal.—The following bids were received on June 27 by Fred Keppel, Clerk of the Cotati School District, for the construction of a frame and plaster school building from plans prepared by Architect Norman R. Coulter, 46 Kearny St., San Francisco. The bids of Myrl R. Crane, 74 Miramar Ave., San Francisco, and Cobby & Owsley, 180 Jessie St., San Francisco, were taken under advisement until June 29. Bids were taken on the following propositions: (1) 5 rooms and small auditorium; (2) 6 rooms and small auditorium. (3) 5 rooms and large auditorium. (4) septic tank; (5) gas heating.
Myrl R. Crane. (1) $20,670; (2) $21,880; (3) $22,758; (4) $120; (5) $1130.
Cobby & Owsley. (1) $20,762; (2) $23,100; (3) $21,582; (4) $250; (5) $1150.
John Morton. (1) $20,550; (2) $22,300; (3) $21,950; (4) ——; (5) $1200.
R. C. Stickle. (1) $22,531; (2) $24,583; (3) $23,165; (4) $350; (5) $990.
McLeran & Peterson. (1) $23,425; (2) $26,420; (3) $23,917; (4) $250; (5) $1127.
Ward & Jones. (1) $23,479; (2) $24,949; (3) $23,980; (4) $289; (5) $1150.
David Paganini. (1) $24,242; (2) $26,284; (3) $24,962; (4) $169; (5) $1600.
P. F. Reilly. (1) $24,840; (2) $26,430; (3) $25,200; (4) $308; (5) $1175.
Al Herman, Penngrove. (1) $25,342; (2) $26,399; (3) $26,179; (4) $225; (5) $1125.
T. B. Goodwin. (1) $25,893; (2) $27,964; (3) $26,317; (4) $456; (5) $1679.

Contract to be Awarded in a Few Days.
SCHOOL Cost, $8,245
HAYWARD, Alameda Co., Calif. Near Hayward.
One-story frame school of 4 rooms (2 finished and 2 unfinished).
Owner—Tennyson School District.
Architects—Hutchinson & Mills, Albany Bldg., Oakland.
Contractors—Sorenson Bros., Hayward.

Plans Being Prepared.
GYMNASIUM Cost, $——
SAN DIEGO, Cal.
Two-story brick & stucco gymnasium & music study bldg.
Owner—San Diego Board of Education
Architect—Eugene Hoffman, Spreckels Bldg., San Diego.
Dressing & locker rooms for 70 girls will be provided.

Segregated Sub-Figures Being Taken—Bids Close July 8, 1921, 12 noon.
SCHOOL Cost, $——
BERKELEY, Cal. Allston Way and Dana St.
Two-story reinforced concrete school bldg.
Owner — Pacific Unitarian School for the ministry.
Architect—Wm. C. Hays, First Natl. Bank Bldg., S. F.
Plans may be obtained from Mr. Hays' office on a deposit of $10.

Plans Being Figured—Bids Close July 11, 1921, 2 p. m.
ADDITION Cost, $——
EL MONTE, Los Angeles Co., Cal.
Brick addition to school & alter administration bldg.
Owner—El Monte High School District
Architect—Edwin C. Thorne, 620 Western Mutual Life Bldg., L. A.
Plans may be obtained from the architect on a deposit of $20.

FRESNO, Fresno Co., Cal.—Until July 25, 5 P. M., bids will be received by L. L. Smith, Secretary of the Board of Education, 2525 Tuolumne street, Fresno, for furnishing and equipping the new high school building. Specifications may be had from the office of the Secretary.

All Bids Rejected.
ALTERATIONS Cost, $——
RIVERBANK, Stanislaus Co., Cal.
Altering, moving & wrecking various portions of present school and constructing new masonry grammar school.
Owner — Riverbank School District, Mrs. Frances Lea Houk, Clerk, Riverbank, Cal.
Architect — James H. Hoose, Ramont Bldg., Modesto, Cal.

Plans Being Prepared.
ADDITION Cost, $5500
TRACY, San Joaquin Co., Cal.
One-story frame 1-room addition to school.
Owner—Tracy School District.
Architect — Wright & Satterlee, Bank of Italy Bldg., Stockton.
Plans will be ready for figures in about ten days.

Plans Being Prepared.
ADDITION Cost, $4500
MODESTO, Stanislaus Co., Cal. Southwest of Modesto.
One-room frame addition to school.
Owner—Jones School District.
Architect — Wright & Satterlee, Bank of Italy Bldg., Stockton.
Plans will be ready for figures in about ten days.

Plans Being Prepared.
SCHOOL Cost, $18,000
STOCKTON, San Joaquin Co., Cal.
About 12 miles East of Stockton.
One-story 3-room brick & hollow tile school.
Owner—Linden School District.
Architect — Wright & Satterlee, Bank of Italy Bldg., Stockton.
Plans will be ready for figures in about a month.

SCHOOL CONTRACT AWARDED

SANTA CRUZ, Santa Cruz Co., Cal.—Following bids were received by the Board of Education for erecting three one-room school buildings:

W. A. White	$5550
G. W. Reed, 74 Locust St.	4990
Doane & Powers, Santa Cruz	4629
Hamilton & Church, 382 Ocean	4500

All bidders of Santa Cruz. Contract awarded to Hamilton & Church.

CONTRACT AWARDED FOR MORGAN HILL SCHOOL BUILDING

MORGAN HILL, Santa Clara Co., Cal. The following bids were received on June 24th by the Trustees of the Live Oak Union High School District in Morgan Hill for the construction of three one-story frame additions to the present high school to be used for classrooms, gymnasium and manual arts departments and an auditorium. Plans were prepared by Architect Charles S. McKenzie, Bank of San Jose Bldg., San Jose. The contract was awarded to Al. Compton, 547 N-17th St., San Jose, and does not include the heating and painting for which bids will be called for in about a month.

Al. Compton, San Jose	$37,000
E. Nommensen, San Jose	38,146
E. Decotty, Morgan Hill	40,000
M. C. Vaughn, Oakland	40,000
R. McLeran & Co., S. F.	41,900
Holmes Bros., Gilroy	41,985

Plans Being Figured — Bids to be Opened About July 22.
SCHOOL Cost, $51,000
ROSEVILLE, Placer Co., Cal.
Two-story hollow tile school (6 classrooms and an auditorium).
Owner—Roseville School District.
Architect — Geo. C. Sellon Co., Mitau Bldg., Sacramento.
Figures will be taken for segregated contracts and may be obtained from the architect's office on a deposit of $25

Segregated Figures Being Taken—Bids Close July 7, 1921, 8 p. m.
SCHOOL Cost, $60,000
PATTERSON, Stanislaus Co., Cal.
Two-story interlocking tile school (8 rooms).
Owner — Patterson Grammar School District.
Architect—Geo. C. Sellon Co., Mitau Bldg., Sacramento.
Plans may be obtained from architect on a deposit of $25.

Commissioned to Prepare Plans.
SCHOOL Cost, $65,000
NEWMAN, Stanislaus Co., Cal.

One-story hollow tile school (6 rooms & an auditorium).
Owner — Newman Grammar School District.
Architect—Geo. C. Sellon, Mitau Bldg., Sacramento.

LOS ANGELES, Cal.—John B. Dawson, Fay Bldg., L. A., submitted the lowest bid at $18,865 on general work for addition to Vernon Ave. School; W. C. Pennell, 204 Chapman Bldg., L. A., architect. Alhambra W. P. & P. Co. was lowest bidder at $1549 on painting; Renard-Stary Elec. Co., 942 W. 7th St., L. A., lowest at $259.50 on wiring; Thos. Haverty Co., 8th & Maple Ave., L. A., lowest at $820 on plumbing and heating. All bids referred to business manager of board. The bids received follow:

General Work — John B. Dawson, $18,865; Escherich Bros., $18,918; Walter Slater Co., $19,456; Alex Grant, $22,257; McFadden & Winkelman Co., $22,490; Rommel Const. Co., $24,300.

Painting—Alhambra W. P. & P. Co., $1549; Arenz-Warren Co., $1981; D. Zelinsky & Sons, $2000.

Electric wiring—Renard-Stary Elec. Co., $259.50; R. R. Hensel, $265; Whalen Elec. App. Co., $280; C. F. Stetson, $299; American Elec. Const. Co., $325.30.

Plumbing & heating—Thos. Haverty Co., $820; Arthur Hess, $1268.

LOS ANGELES, Cal.—J. F. Kobler, 918 W. 8th St., L. A., submitted lowest bid at $52,200 on general work for erection of 8-room brick school building on Bridge St. school site, Hudson & Munsell, 443 Douglas Bldg., L. A., architects. D. Zelinsky & Sons, 729 W. 9th St., L. A., were lowest bidders at $2360 on painting; G. C. Sutton, 180 S. Western Ave., L. A., lowest on the plumbing at $4510; Whalen Elec. App. Co., lowest at $1525 on electric wiring. All bids referred to business manager of Board of Education.

General work—J. F. Kobler, $52,200; Alex Grant, $53,737; John B. Dawson, $55,584; Walter Slater Co., $55,996; C. Karseboom, $57,700; Bavin & Burch Co., $57,388; D. B. Kronnick, $59,754; J. A. Hill Const. Co., $64,470; Rommel Const. Co., $66,400.

Electric wiring—Whalen Elec. App. Co., $1525; Renard-Stary Elec. Co., $1870; C. F. Stetson, $2196; R. R. Hensel, $2443; American Elec. Const. Co., $2775.

Heating — Potter-Strutz Rad. Corp., $1353; Pacific Gas Radiator Co. $1445.

Painting—D. Zelinsky & Sons, $2360; Alhambra W. P. & P. Co., $2998; Arenz-Warren Co., $3236; R. Zelinsky, $3689.

Plumbing—G. C. Sutton, $4510; E. W. Crowell Co., $4774; Arthur Hess, $4860; Thos. Haverty Co., $5600.

Plans Being Figured—Bids Close July 12, 8 p. m.
SCHOOL Cost, $——
SALINAS, Monterey Co., Cal.
Grammar school building.
Owner — El Sausal School District, Albert H. Hansen, Clerk.
Architect—Paul V. Tuttle & Arthur W. Angel, associated, 565 Lighthouse Ave., Pacific Grove, Cal.
Bids will be taken for a general contract. Certified check for 5% of amount of bid required, payable to Clerk of district. Plans may be had from the architects.

LOS ANGELES, Cal.—Until 9 o'clock a. m., July 20, bids will be received by Board of Education, 730 Security Bldg., L. A., for a brick gymnasium bldg. at Polytechnic High School, Washington and Hope Sts., in L. A., in accordance with plans prepared in office of the business dept. of the board, 1437 San Pedro St., L. A. Bids will be taken separately for (1) general work; (2) plumbing; (3) heating; (4) painting; (5) electric wiring. One-story and basement, 104x112 ft. locker and shower rooms, boys' and girls' gymnasiums, rest rooms, lecture rooms

LOS ANGELES. — R. D. Kronnick, 312 W. 39th St., L. A., was awarded the general contract at $159,940 for a new reinforced concrete and brick administration bldg. at Jefferson High School site, Norman F. Marsh & H. C. Howard, 211 Broadway Central Bldg., L. A., architects. The plumbing was awarded at $8438 to H. E. Murray, 1631 7th Ave., L. A., the heating ventilating at $17,160; to Munger & Munger, 174 E. Union St., Pasadena; the painting at $6900 to D. Zelinsky & Sons, 729 W. 9th St., L. A.; electric wiring at $5985 to Renard-Stary Elec. Co. The building will contain 10 classrooms, library, recital and study halls, locker and dressing rooms. The auditorium will be omitted.

TUCSON, Ariz. — J. J. Garfield of Tucson, Ariz., submitted the lowest bid at $100,000 on general contract for four buildings for the State School for Deaf. Lyman & Place, Tucson, architects. C. A. Smith, Tucson, was lowest at $9295 on plumbing, and at $20,300 on heating, which includes a central heating plant; Russell Elec. Co., Tucson, lowest at $4434 on electric wiring. Other bids received on general work were Snell & Harvey, $107,363.95; Egan Const. Co., $118,950; Clinton Campbell, $119,000; Edw. C. English, $124,000; Stewart Const. Co., $132,340; W. T. Pierce, $133,400; M. T. Topham, $134,600. W. J. Corbett was the only other bidder on plumbing and heating at $9853 and $22,989, respectively. Other bidders on electric wiring were New State Elec. Co., $5000; Arizona Elec. Co., $5625; Byrne Bros., $8346. The bids were taken under advisement. (39264) 1st report June 11, 1921. R 13

Plans Being Figured—Bids Close July 18, 1921, 3 p. m.
GYMNASIUM Cost, $100,000
OAKLAND, 45th St. & Bdwy.
One-story reinforced concrete gymnasium.
Owner—Oakland Board of Education, Lloyd D. Barzee, Secretary.
Architect — Construction Dept., Board of Education, 357 12th St., Okd.
Figures are being taken for the general contract, lathing & plastering, plumbing, heating, electric work and steel lockers. Plans may be obtained at the office of the Secretary of the Board of Education and at the office of the Chief of Construction, 357 12th St., Oakland.

Contract Awarded.
SCHOOL Cost, $264,080
SACRAMENTO, Cal. In Block Bounded by 35th, 36th, K and L Sts.
Two-story brick and concrete school building (East Sacramento School)
Owner—Sacramento School District.
Architects — Hemmings-Petersen-Hudnutt-Inc., Architectural and Engineering Commission, Sacramento Elementary Schools, Third Floor of City Library, 9th and I Sts., Sacramento.
Contractor — Wm. Murcell, Ochsner Bldg., Sacramento.

STORES AND OFFICES

Contract Awarded.
STORE Cost, $113,000
FRESNO. East J St. N of Mariposa, 90x150.
One-story & basement reinforced concrete store bldg.
Owner—Bradley Estate.
Lessee—Max Cahn.
Archt. & Contractor — R. F. Felchlin, Bank of Italy Bldg., Fresno.

Contract Awarded.
STORES Cost, $20,000
SAN FRANCISCO. S Mission E 7th.
Two-story & basement reinforced concrete store bldg.
Owner—Louis R. Lurie.
Architect — O'Brien Bros., 240 Montgomery St.
Contractor—Vukicevich & Bagge, 180 Jessie St.

Contract Awarded.
EXCHANGE Cost, $37,400
SAN FRANCISCO. N Turk Street E of Leavenworth Street.
Two-story and basement reinforced concrete film exchange and laboratory building.
Owner—Louis R. Lurie.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco.

Completing Plans.
OFFICE BLDG. Cost, $——
LOS ANGELES. 631 Spring St.
Twelve-story & basement Class A office & loft bldg.
Owner—H. H. Ford, Redlands.
Archt. & Contractor—Stanton Reed & Hibbard, Metropolitan Bldg., L. A.

Preliminary Plans Prepared.
OFFICE BLDG. Cost, $50,000
REDWOOD CITY, San Mateo Co., Cal. Cor. Bdwy. & Winslow St.
Two-story reinforced concrete store & office bldg.
Owner—Geo. E. Graft.
Architect — Binder & Curtis, 255½ S 1st St., San Jose.

Plans Being Figured.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. Geary St. near Van Ness Ave.
Two-story & basement reinforced concrete office & dance academy.
Owner—Louis R. Lurie, Flatiron Bldg., San Francisco.
Architect — Bernard J. Joseph, Call Bldg., S. F.

THEATRES

Plans Being Figured—Bids Close July 8, 1921, 8 p. m.
THEATRE Cost, $60,000
YREKA, Siskiyou Co., Cal. Miner St. & Oregon St.
Two-story reinforced concrete theatre, store & lodge bldg. 85x150.
Owner—Masonic Temple Assn.
Architect—Geo. C. Sellon, Mitau Bldg., Sacramento.
NOTE—Figures are being taken for a general contract.

Plans Complete.
THEATRE Cost, $——
LOS ANGELES. Western Ave., bet. 4th & 5th Sts.
Brick motion picture theatre 60x135.
Owner—Mrs. Anna A. Holst.
Architect — Arthur H. O'Brien, 150 S. Western Ave., L. A.

Plans Being Figured.
THEATRE Cost, $50,000
ALHAMBRA, Los Angeles Co., Cal.
Brick motion picture theatre 60x150.
Owner—Walter Temple.
Architect—Walker & Eisen, 325 Pacific Finance Bldg., L. A.

Contract Awarded.
THEATRE Cost, $46,900
LOS ANGELES. Sunset Blvd. near Gardner Junction.
Two-story brick store, office & theatre bldg. 60x142 (900 seats, 2 stores & 6 offices).
Owner—Antone Soethout, 7127 Sunset Blvd., L. A.
Archt. & Contractor—Milwaukee Bldg. Co., 315 Wright & Callender Bldg., Los Angeles.

Official Proposals

BIDS WANTED FOR HIGH SCHOOL

(One-Story Concrete, 16 Rooms and Auditorium Structure)

NOTICE TO BUILDING CONTRACTORS

The Trustees of the Pacific Grove School District will receive sealed proposals up **until 7:30 P. M.,** on the **15th day of July, 1921,** at the office of the Board at the Pacific Grove High School Building, Pacific Grove, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for erecting and completing a proposed new Grammar School Building in accordance with plans and specifications prepared therefor by Arthur W. Angel, Architect, 565 Lighthouse Ave., Pacific Grove, California. Bids will be received separately for the different segregated contracts as follows:

1. General Contract Work.
2. Plumbing Contract Work.
3. Heating Contract Work.
4. Program Clocks.

A cashier's or certified check or Surety Co. Bid bond for an amount not less than 5% of amount of bid shall accompany each proposal, drawn payable to the order of J. J. Williams, Clerk of said Board of Trustees, as a guarantee that the bidder will, after being notified of the acceptance of his bid, enter into a contract with said Board of Trustees, in accordance therewith and shall furnish Surety bonds as required by the specifications. Said check or bidder's bond to be forfeited to the said School District should the bidder fail to execute contract and furnish bonds as above mentioned.

All bids to be made out on forms similar to that inclosed in the specifications.

Plans and specifications for the above work may be seen and secured at the office of the Architect.

A deposit of $10.00 will be required from contractors receiving plans, said deposit to be refunded when plans and specifications are returned in good condition.

The said Board of Trustees reserves the right to reject any or all bids and to waive any informality in any bid received.

By order of the Board of Trustees of the Pacific Grove School District, Pacific Grove, California.

H. G. JORGENSEN, President.
J. J. WILLIAMS, Clerk.
O. E. CHASE, Trustee.

Dated June 8, 1921.

BIDS WANTED FOR HIGH SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Education, of the San Luis Obispo School District, County of San Luis Obispo, State of California, **up until 7:30 o'clock P. M., on the 8th day of July, 1921,** at which hour they will be opened at the office of Ruth Merritt, Clerk of said Board of Education, said office located in the High School Building, San Luis Obispo, for the furnishing of all materials and labor required to build and complete a one-story masonry and frame building known as the Peach Street School, a one-story masonry and frame building known as the South End School, and for the alterations and additions to the Nipomo School according to the plans and specifications prepared by Orville L. Clark, Architect, offices in the Brower Bldg., Bakersfield, California. Said building to be located on a parcel of land as further described in the drawings and as being situated in the City of San Luis Obispo, the contracts contemplated being as follows:

Proposal No. 1
General: Carpenter Work, Sheet Metal, Mill Work, Ornamental Iron.

Proposal No. 2
Concrete Work.
Reinforcing Steel.
Excavation.

Proposal No. 3
Brick Work.

Proposal No. 4
Glazing.

Proposal No. 5
Blackboards.

Proposal No. 6
Painting.

Proposal No. 7
Marble Work.

Proposal No. 8
Lath and Plastering.

Proposal No. 9
Plumbing

Proposal No. 10
Electric Work.

Proposal No. 11
Tile Roofing.

A separate bid for each kind of work mentioned above is to be submitted in accordance with plans and specifications now on file with the Secretary of said Board of Education, Ruth Merritt, in the City of San Luis Obispo, or may be had upon application at the office of the Architect.

Each bid shall be made out on a form to be obtained at the Architect's office and must be accompanied by a certified or cashier's check in the amount of ten per cent of bid made payable to the order of Ruth Merritt, Secretary of the Board of Education of the San Luis Obispo School District. Bids shall be sealed and filed with the Clerk of the said Board of Education of the San Luis Obispo School District at the above mentioned specified time.

The above mentioned check shall be given as evidence that the bidder will enter into contract if awarded the work and will be declared forfeited if the successful bidder refuses to enter into said contract after being requested to do so by the Board of Education.

The successful bidder will be required to furnish two bonds, of a surety company, satisfactory to the Board of Education, of the San Luis Obispo School District, one covering an amount equal to fifty per cent of the contract price and one equal to twenty-five per cent of the contract price.

A deposit of ten dollars ($10.00) is required for all drawings which will be returned when the drawings are returned.

The Board reserves the right to reject any or all bids.

By order of the Board of Education of the San Luis Obispo School District.

C. A. PALMER, Chairman.
RUTH MERRITT, Clerk.

Dated this 9th day of June, 1921.

BIDS WANTED FOR SHEET METAL, ROOFING, ETC.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Roofing Work, including: Steel Metal Work, Slate and Composition Roofing, for the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Roofing Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum or ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Roofing Work of San Francisco State Building, Civic Center, San Francisco, California."

(Signed) W. F. McCLURE,
State Engineer.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on July 11th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Trinity County, between 2 miles south of Weaverville and Tom Long Gulch (II-Tri-20-A), about 10.6 miles in length, to be graded.

Lassen County, across the Susan River near Johnstonville (II-Las-29-C), a bridge ninety-six feet long consisting of three reinforced concrete girder spans, each 32 feet long, on reinforced concrete bents supported on wooden piles.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
JOHN F. GALVIN,
Secretary.

June 13, 1921.

BIDS WANTED FOR TILE WORK

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Tile Work, Including: Cork Tile, for the San Francisco State

Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Tile Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Tile Work of San Francisco State Building, Civic Center, San Francisco, California."

(Signed) W. F. McCLURE, State Engineer.

BIDS WANTED FOR CARPENTER, MILL WORK, PLASTERING, ETC.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Finish Work, including: Carpenter Work, Mill Work, Glass and Glazing Work, Tile Partitions, Metal Lath Work, Plastering Work, for the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Finish Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Finish Work of the San Francisco State Building, Civic Center, San Francisco, California."

(Signed) W. F. McCLURE, State Engineer.

NOTICE OF TIME AND PLACE FOR RECEIVING BIDS FOR THE ERECTION OF A LAUNDRY, HOSPITAL, NURSES' HOME, AND RECONSTRUCTION OF THE SERVICE KITCHEN FOR THE TRI-COUNTY TUBERCULOSIS SANITORIUM AT AHWAHNEE, MADERA COUNTY, CALIFORNIA.

Notice is hereby given that sealed bids for the construction of a laundry, hospital, nurses' home and the reconstruction of the service kitchen for the Tri-County Tuberculosis Sanitorium, located at Ahwahnee, Madera County, California, will be received for the Tri-County Tuberculosis Sanatorium Committee at Ahwahnee, Madera County, California, **up to the hour of eleven o'clock A. M., of Saturday July 9th, 1921.**

Plans and specifications for said buildings may be seen at the office of the County Clerks of Madera, Merced and Stanislaus Counties; at the office of J. H. Hoose, 6 and 7, Ramont Building, Modesto, California, and at the Tri-County Tuberculosis Sanatorium at Ahwahnee, Madera County, California. A charge of fifteen dollars will be made for a set of the plans and specifications. Bidders may bid upon one or all of said buildings.

Each bid must be made upon blanks which can be obtained at the office of J. H. Hoose, 6 and 7 Ramont Building, Modesto, California, and must be accompanied by a certified check drawn to the order of V. D. Whitmore, Chairman of the Tri-County Tubercuiosis Sanatorium Committee, and in the sum of ten (10) per cent of the bid as a guarantee that the successful bidder will enter into the necessary contract to build said buildings according to the plans and specifications.

The committee reserves the right to reject any and all bids.

T. J. CRONIN,
Secretary Tri-County Tuberculosis Sanatorium Committee.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

State of California

California Highway Commission

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Bldg., Sacramento, Cal. **until 2 o'clock p. m., on July 18,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Siskiyou County, between Upton and southerly boundary (II-Sis-3-A), about 10.4 miles in length, to be paved either with Portland cement concrete or bituminized macadam.

Sonoma County, between Cloverdale and Healdsburg (IV-Son-1-A), about 16.1 miles in length, to be paved either with Portland cement concrete or asphalt concrete.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHAS. A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
JOHN F. GALVIN,
June 20, 1921 Secretary.

BIDS WANTED FOR MARBLE AND TERRAZZO WORK

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Marble Work, Including Terrazzo Work, for the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Marble Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum or ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids to and waive any informailty in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Marble Work of San Francisco State Building, Civic Center, San Francisco, California."

(Signed) W. F. McCLURE, State Engineer.

BIDS WANTED FOR SCHOOL

(Four Rooms and Auditorium Brick Structure)

NOTICE TO CONTRACTORS

The Board of Trustees of The Great Western Grammar School District, Reedley, California, will receive sealed bids **up until 2 o'clock P. M., July the 16th,** at the Fink Grammar School Building, near Reedley, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new Grammar School Building in accordance with plans and specifications prepared therefore by Anton Johnson, of Kingsburg, California. Bids will be received separately for the different segregated contracts, as follows:

Contract No. 1.—For the Excavating, Concrete, Carpenter Work, Millwork, etc.

Contract No. 2.—For Masonry Work and Terra Cotta.

Contract No. 3.—For all Sheet Metal Work.

Contract No. 4.—For Composition Roofing.

Contract No. 5.—For Lathing and Plastering.

Contract No. 6.—For Furnishing and Placing of Blackboards.

Contract No. 7.—For the Painting.

Contract No. 8.—For Plumbing and Sewering.

Contract No. 9.—For Electrical Work

Contract No. 10.—For the Heating and Ventilating.

Certified check for an amount not less than ten per cent (10%) of amount of bid should accompany each proposal, made payable to the order of Mr. M. M. Chamberlain, Clerk of the Great Western Grammar School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said Grammar School Board in accordance therewith, and shall furnish bonds as required by the specifications. Said check to be forfeited to the said Grammar School District should the bidder refuse to execute Contract and furnish bond as above mentioned.

Plans and Specifications for all the above work may be seen in the office of Anton Johnson, Kingsburg, California.

A deposit of $10.00 will be required from all Contractors receiving plans. Said deposit will be refunded when plans and specifications are returned in good condition.

By order of the Board of Trustees, Great Western Grammar School District, Reedley, California, by Mr. M. M. Chamberlain, Clerk of the Board of Trustees of Great Western Grammar School District.

M. M. CHAMBERLAIN.
Dated June 21st, 1921.

BIDS WANTED FOR SCHOOL ADDITION

(Two-story Frame and Stucco Six-room Addition)

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Education of the Sacramento City School District for the complete erection of alterations and additions to a school building in accordance with

plans and specifications on file in the office of the Secretary of the Board of Education of the Sacramento City School District, Room 300, City Hall, Sacramento, California, and also in the office of Hemmings-Petersen-Hudnutt-Inc., Architectural and Engineering Commission, Sacramento Elementary Schools, third floor of City Library, 9th and I Streets, Sacramento, California.

The said school building is to be erected on the property owned by the School District, at 7th and 8th, F and Streets, situated in the City of Sacramento, State of California.

On a deposit of $10.00 with the Board of Education, or the Architectural and Engineering Commission, complete sets of plans and specifications may be had by any prospective bidder, and retained for a period of 15 days. The deposit will be returned to the bidder on the return of the plans and specifications in good condition.

Bids must be made on proposals obtained at the office of the Architectural and Engineering Commission, and be signed by the bidder, accompanied by a certified check for at least 10% of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to the Secretary of the Board of Education of the Sacramento City School District, said check to be forfeited to and retained by the School District, should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award, or to give bonds as required. Bids must be plainly marked on the exterior "Proposal for Additions and Alterations to McKinley School Building."

All bids must be filed with the Secretary of the Board of Education of the Sacramento City School District, Room 300, City Hall, Sacramento, California, not later than **10 o'clock A. M., Wednesday, July 13th, 1921.**

The Board ol Education of the Sacramento City School District reserves the right to reject any and all bids.

BOARD OF EDUCATION,
Sacramento City School District,
Chas. C. Hughes, Secretary.

BIDS WANTED FOR SCHOOL ADDITION

(One-story Frame and Stucco Two Classroom, Auditorium and Kindergarten Addition)

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Education of the Sacramento City School District for the complete erection of alterations and additions to a school building in accordance with plans and specifications on file in the office of the Secretary of the Board of Education of the Sacramento City School District, Room 300, City Hall, Sacramento, California, and also in the office of Hemmings-Petersen-Hudnutt-Inc., Architectural and Engineering Commission, Sacramento Elementary Schools, third floor of City Library, 9th and I Streets, Sacramento, California.

The said school building is to be erected on the property owned by the School District, on G Street, between 27th and 28th Streets, situated in the City cf Sacramento, State of California.

On a deposit of $10.00 with the Board of Education, or the Architectural and Engineering Commission, complete sets of plans and specifications may be had by any prospective bidder, and retained for a period of 15 days. The deposit will be returned to the bidder on the return of the plans and specifications in good condition.

Bids must be made on proposals obtained at the office of the Architectural and Engineering Commission, and be signed by the bidder, accompanied by a certified check for at least 10% of the amount of the bid or proposal, certified to by some responsible bank or banker and made payable to the Secretary of the Board of Education of the Sacramento City School District, said check to be forfeited to and retained by the School District, should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award, or to give bonds as required. Bids must be plainly marked on the exterior "Proposal for Additions and Alterations to Marshall School Building."

All bids must be filed with the Secre-

tary of the Board of Education of the Sacramento City School District, Room 300, City Hall, Sacramento, California, not later than **10 o'clock A. M., Wednesday, July 13th, 1921.**

The Board of Education of the Sacramento City School District reserves the right to reject any and all bids.

BOARD OF EDUCATION,
Sacramento City School District,
Chas. C. Hughes, Secretary.

BIDS WANTED FOR SCHOOL ADDITION

(Two-story 2-room frame Addition)

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Education of the Sacramento City School District for the complete erection of alterations and additions to a school building in accordance with plans and specifications on file in the office of the Secretary of the Board of Education of the Sacramento City School District, Room 300, City Hall, Sacramento, California, and also in the office of Hemmings-Petersen-Hudnutt-Inc., Architectural and Engineering Commission, Sacramento Elementary Schools, third floor of City Library, 9th and I Streets, Sacramento, California.

The said school building is to be erected on the property owned by the School District, on Q Street, between 4th and 5th Streets, situated in the City of Sacramento, State of California.

On a deposit of $10.00 with the Board of Education, or the Architectural and Engineering Commission, complete sets of plans and specifications may be had by any prospective bidder, and retained for a period of 15 days. The deposit will be returned to the bidder on the return of the plans and specifications in good condition.

Bids must be made on proposals obtained at the office of the Architectural and Engineering Commission, and be signed by the bidder, accompanied by a certified check for at least 10% of the amount of the bid or proposal, certified by some responsible bank or banker, and made payable to the Secretary of the Board of Education of the Sacramento City School District, said check to be forfeited to and retained by the School District, should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award, or to givt bonds as required. Bids must be plainly marked on the exterior "Proposal for Additions and Alterations to Lincoln School Building.

All bids must be filed with the Secretary of the Board of Education of the Sacramento City School District, Room 300, City Hall, Sacramento, California, not later than **10 o'clock A. M., Wednesday, July 13th, 1921.**

The Board of Education of the Sacramento City School District reserves the right to reject any and all bids.

BOARD OF EDUCATION,
Sacramento City School District,
Chas. C. Hughes, Secretary.

BIDS WANTED FOR CONCRETE CULVERTS

NOTICE TO CONTRACTORS

Office of the
Secretary of the Board of Education
of the City of Oakland

Sealed bids will be received by the Secretary of the Board of Education of the City of Oakland, at his office at the City Hall, Oakland, California, **until Monday, the 11th day of July, 1921, at 3 o'clock, P. M.,** of said day, the day when said bids will be opened, for the construction of a concrete culvert in Lyon Creek at East Eleventh Street and Sixty-sixth Avenue on the property of the Oakland Board of Education, Lockwood schoolgrounds, Oakland, California.

Separate bids will be received, (1) for the general work, (2) for the plumbing work, (3) for the heating and ventilating work, and (4) for the electrical work.

Plans and specifications for said work are on file at the office of the [illegible] Board of Education, and at the office of the Chief of Construction, [illegible] Street, Oakland, California.

On a deposit of Twenty-five Dollars ($25.00) complete sets of said plans and specifications may be had by any prospective bidder. These may be retained for a period of fourteen (14) days. If these plans and specifications are not returned within said period, or if they be mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said detention and mutilation.

Bids must be made on proposals obtained at the office of the Chief of Construction, and be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to Lloyd D. Barzee, Secretary of the Board of Education, to be retained by the said School District as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

Bids will be opened by the Board of said district on Monday, July 11, 1921, at the hour of 5:00 P. M., in the Board Room, 211 Second Floor of said City Hall in said City of Oakland.

The Board reserves the right to reject any or all bids.

LLOYD D. BARZEE,
Secretary of the Board of Education.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

State of California

California Highway Commission

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Bldg., Sacramento, Cal., **until 2 o'clock p. m., on July 25,** at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Humboldt County across Bear Gulch, near Garberville (I-Hum-1-B), a reinforced concrete bridge about 247 ft. long having a main arch span of 123 ft. in the clear, and two approaches, one of three girder spans of about 23 ft. each, and one of one girder span of about 24 ft., with the necessary abutments, piers and retaining walls.

Siskiyou County (II-Sis-3-B) three reinforced concrete girder bridges as follows: Across Parks Creek near Weed, a bridge consisting of two spans of 32 ft. each; across Willow Creek near Gazelle, a bridge consisting of two spars of 32 ft. each; across Shasta River near Edgewood, a bridge consisting of two spans of 40 ft. each, together with the necessary piers and abutments for each bridge.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON
CHAS. A. WHITMORE
GEO. C. MANSFIELD
California Highway Commission
AUSTIN B. FLETCHER,
Highway Engineer
JOHN F. GALVIN
June 27, 1921 Secretary

CORCORAN GRAMMAR SCHOOL BUILDING

NOTICE TO CONTRACTORS

The Board of Trustees of the Corcoran Grammar School District, Corcoran, California, will receive sealed proposals **up to July 20th, 12 o'clock Noon, 1921**, at the office of Strong & Dapron, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new grammar school building in accordance with plans and specifications prepared therefor by Renfro & Michael, Architectural Designers and Engineers, Room 10, First National Bank Building, Porterville, California. Bids will be received for the different contracts as follows:

Contract No. 1. Excavation, Concrete, Masonry, Iron Work, Tile Roofing, Composition Roofing, Interior and Exterior Plastering, Blackboards, Painting and Carpenter Work.

Contract No. 2. Sheet Metal Work, Plumbing, Heating, Pipe Railing and Sewer, Etc.

Contract No. 3. Electric Wiring and Fixtures.

Cashier's or certified check for bidder's bond for an amount not less than five per cent (5%) of amount of bid shall accompany each proposal, drawn payable to the order of Lotta Drown, Clerk of the Board of Trustees, Corcoran Grammar School District, as a guarantee that the bidder will within ten (10) days after being notified of the acceptance of his bid, enter into contract with said Grammar School Trustees in accordance therewith, and shall furnish the surety bonds as required by the specifications. Said check or bond to be forfeited to the said Grammar School Trustees should the bidder fail to execute contract and furnish bond as above mentioned.

All bids to be made out on forms furnished by Renfro & Michael, Architects.

Plans and specifications for all the above work may be seen at the office of Renfro & Michael, First National Bank Building, Porterville, California.

The said Grammar School Board reserves the right to reject any or all bids, and to waive any informality in any bid received.

By order of the Board of Trustees, Corcoran Grammar School District, Corcoran, California.

Dated, June 24th, 1921.

By LOTTA DROWN, Clerk, Board of Trustees, Corcoran Grammar School District.

S. F. ARCHITECTS ENDORSE PROPOSED IMPROVEMENTS

"Unqualified approval" of the proposed betterment of communications between the bay cities and San Francisco, including the extension of roads in the Peninsula, the leveling of Rincon Hill for an industrial area and the adoption of zoning laws, is expressed in resolutions passed at their last meeting by the governors of the San Francisco chapter of the American Institute of Architects. The resolutions declare that the chapter offers its fullest assistance and co-operation to the end that the "aesthetic requirements of design and environment" be met in the plans so as to safeguard the artistic reputation established by the Panama-Pacific fair for the city.

FABRICATING SHOP CONTRACTS DURING MONTH OF MAY

The records of the Bridge Builders & Structural Society, from reports collected by its secretary, show that during the month of May, 1921, 50,800 tons of fabricated structural steel were contracted for throughout the United States, 28 per cent of the entire capacity of the bridge and structural shops of the country.

Hydro-Electric Developments Urged for an Industrial California

By NORMAN H. SLOANE
Mgr. California Industries Assn.

Power will determine the future of California. The history of California has been a story of the reclamation of deserts and of the development of a great agricultural State, but California is now called upon to determine whether it will remain simply an agricultural State or whether it will enter a period of commercial and industrial development.

The prerequisites for such development are here. Raw materials for fabrication are produced in abundance. The location of California and its excellent harbor facilities make the physical problem of the development of foreign trade comparatively simple. Production can be carried on the year round in open air plants. The climatic attractions of California will draw a sufficient labor supply to the State if industries are developed.

The benefits to be derived from the diversification of the economic efforts of the people of this State have been brought into clear relief by the experience of the last six months. The difficulties which agriculturists have encountered, whether growers of rice, fruits, beans, cotton, wheat, barley, hops or live stock, would have closed the doors of prosperity to any less favored State. Permanent prosperity cannot be assured as long as California remains strictly agricultural. Transportation rates are tending to stifle California's agriculture. No matter what relief is given, the fact remains that the raw products of this State must absorb the cost of the longest railroad haul in the country if they are to be sold in eastern markets.

In other words, California has about reached the maximum stage of its development in population and wealth if agriculture is to remain the one large industry of the State. The next ten years will determine, therefore, what the future of this State will be.

If growth is to continue through the development of industrial life, there are many problems to solve. Markets for finished goods must be opened on both the eastern and western coasts of the Pacific Ocean. Transportation facilities to consuming points must be created. Capital must flow to this State in increasing amounts. But, first and foremost, hydro-electric power must be developed. There can otherwise be no industrial California.

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CORCORAN GRAMMAR SCHOOL BUILDING

NOTICE TO CONTRACTORS

The Board of Trustees of the Corcoran Grammar School District, Corcoran, California, will receive sealed proposals **up to July 20th, 12 o'clock Noon, 1921**, at the office of Strong & Dapron, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new grammar school building in accordance with plans and specifications prepared therefor by Renfro & Michael, Architectural Designers and Engineers, Room 10, First National Bank Building, Porterville, California. Bids will be received for the different contracts as follows:

Contract No. 1. Excavation, Concrete, Masonry, Iron Work, Tile Roofing, Composition Roofing, Interior and Exterior Plastering, Blackboards, Painting and Carpenter Work.

Contract No. 2. Sheet Metal Work, Plumbing, Heating, Pipe Railing and Sewer, Etc.

Contract No. 3. Electric Wiring and Fixtures.

Cashier's or certified check for bidder's bond for an amount not less than five per cent (5%) of amount of bid shall accompany each proposal, drawn payable to the order of Lotta Drown, Clerk of the Board of Trustees, Corcoran Grammar School District, as a guarantee that the bidder will within ten (10) days after being notified of the acceptance of his bid, enter into contract with said Grammar School Trustees in accordance therewith, and shall furnish the surety bonds as required by the specifications. Said check or bond to be forfeited to the said Grammar School Trustees should the bidder fail to execute contract and furnish bond as above mentioned.

All bids to be made out on forms furnished by Renfro & Michael, Architects.

Plans and specifications for all the above work may be seen at the office of Renfro & Michael, First National Bank Building, Porterville, California.

The said Grammar School Board reserves the right to reject any or all bids, and to waive any informality in any bid received.

By order of the Board of Trustees, Corcoran Grammar School District, Corcoran, California.

Dated, June 24th, 1921.

By LOTTA DROWN, Clerk, Board of Trustees, Corcoran Grammar School District.

S. F. ARCHITECTS ENDORSE PROPOSED IMPROVEMENTS

"Unqualified approval" of the proposed betterment of communications between the bay cities and San Francisco, including the extension of roads in the Peninsula, the leveling of Rincon Hill for an industrial area and the adoption of zoning laws, is expressed in resolutions passed at their last meeting by the governors of the San Francisco chapter of the American Institute of Architects. The resolutions declare that the chapter offers its fullest assistance and co-operation to the end that the "aesthetic requirements of design and environment" be met in the plans so as to safeguard the artistic reputation established by the Panama-Pacific fair for the city.

FABRICATING SHOP CONTRACTS DURING MONTH OF MAY

The records of the Bridge Builders & Structural Society, from reports collected by its secretary, show that during the month of May, 1921, 50,800 tons of fabricated structural steel were contracted for throughout the United States, 28 per cent of the entire capacity of the bridge and structural shops of the country.

Hydro-Electric Developments Urged for an Industrial California

By NORMAN H. SLOANE
Mgr. California Industries Assn.

Power will determine the future of California. The history of California has been a story of the reclamation of deserts and of the development of a great agricultural State, but California is now called upon to determine whether it will remain simply an agricultural State or whether it will enter a period of commercial and industrial development.

The prerequisites for such development are here. Raw materials for fabrication are produced in abundance. The location of California and its excellent harbor facilities make the physical problem of the development of foreign trade comparatively simple. Production can be carried on the year round in open air plants. The climatic attractions of California will draw a sufficient labor supply to the State if industries are developed.

The benefits to be derived from the diversification of the economic efforts of the people of this State have been brought into clear relief by the experience of the last six months. The difficulties which agriculturists have encountered, whether growers of rice, fruits, beans, cotton, wheat, barley, hops or live stock, would have closed the doors of prosperity to any less favored State. Permanent prosperity cannot be assured as long as California remains strictly agricultural. Transportation rates are tending to stifle California's agriculture. No matter what relief is given, the fact remains that the raw products of this State must absorb the cost of the longest railroad haul in the country if they are to be sold in eastern markets.

In other words, California has about reached the maximum stage of its development in population and wealth if agriculture is to remain the one large industry of the State. The next ten years will determine, therefore, what the future of this State will be.

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Engineering News Section

BRIDGES, DAMS & HARBOR WORK

CALIFORNIA—State Highway Commission awards contract to C. H. Gildersleeve, Fresno, at $5,740 for constructing reinforced concrete girder bridge, consisting of 2 spans of 34 feet each, involving 160 cu. yds. Class A and 120 cu. yds. Class C concrete, the Commission to furnish reinforcing steel, cement, fine and coarse aggregate Engineer's estimate, $7,060.

SANTA ANA, Orange Co., Cal.—Until July 12 bids will be received by Supervisors of Orange County for constructing a bridge over Santa Ana River bet. Richfield and Olive. The bridge will consist of 15 50-ft. timber spans on concrete pile bents with pile trestle approaches, one 160 ft. and the other 148 ft. J. L. McBride has completed plans and bids will be called for at once for a bridge over Santa Ana River on W. 17th St. This bridge will consist of 8 50-ft. timber spans on concrete pile bents with trestle approaches

SAN LUIS OBISPO, Cal. — County Engineer Warren B. Burch authorized by Supervisors to prepare plans for bridges as follows: Bridge on upper La Grange Road and bridge over slough on Merced - Snelling - Merced Falls Road; bridge over Duck Slough; bridge over Deadman's Creek and 2 bridges over canals on Merced- Chowchilla Road; bridge over Jordan-Atwater Canal on Winton-Atwater Road.

PORTERVILLE, Tulare Co., Cal. — The City Engineer has been instructed to prepare plans for a timber bridge on concrete piles on W. Putnam St.

FORT MASON, Cal.—Spreckels Bros. Commercial Co. have been awarded a contract by the U. S. Constructing Quartermaster's Office, for repairs to bridge from North Island to 4th St., Coronado, Cal. Contract price, $2.08 per lin. ft.

LOS ANGELES, Cal. — Los Angeles Harbor Commission will hold a public hearing at 10 a. m., August 1, Room 33, City Hall, on project to construct bridge across Cerritos channel bet. Los Angeles and Long Beach harbors. Plans are on file at office of U. S. District Engineer, Central Bldg. They provide for a double leaf bascule bridge of 200 ft. span, giving a clear channel of 180 ft. and an overhead clearance of 8.2 ft. above mean high water.

SAN ANDREAS, Calaveras Co., Cal.—A. W. Poe, County Clerk, instructed by Supervisors to advertise for bids for furnishing and delivering 4 15-in. I-beams, weight 42 lbs. per ft., 43 ft. long; 2 15-in. channels, weight 33 lbs. per ft., 43 ft. long; for reconstructing bridge across San Antone Creek, bet. the town of Murphys and the town of Sheep Ranch. W. S. Coulter, County Surveyor.

SACRAMENTO, Cal.—Until July 5, 2 P. M., bids will be received by Harry W. Hall, County Clerk, for re-building bridge over Consumnes river, near Wilton. Certified check for 10% payable to Chairman of the Board of Supervisors required. Plans may be had from Drury Butler, County Engineer.

MERCED, Merced Co., Cal.—County Surveyor A. E. Cowell instructed to prepare plans for following bridges in Road District No. 1:

Bridge on Upper LaGrange Road on west line of Section 22, Twp. 4, S. R. 14 E. Bridge over Slough on Merced-Snelling-Merced Falls Road, Section 1, near NE. Cor. of SW. ¼ Section 13, Twp. 5 S. R. 13 E.

Road District No. 2. Bridge over Duck Slough on Merced-Chowchilla Road Section 1. Bridge over Branch of Deadman's Creek on same road. 2 bridges over Canals on Merced-Chowchilla Road, Section 3.

Road District No. 3. Bridge over Jordan-Atwater Canal on Winton-Atwater Road.

SACRAMENTO, Cal.—Following are approximate quantities of materials involved in the construction of a bridge in Lassen County, across Susan River near Johnstonville (11-Las-29-C) 96 ft. long consisting of 3 reinforced concrete girder spans, each 32 ft. long, on reinforced concrete bents supported on wooden piles; bids for which will be opened by the State Highway Commission July 11, 2 p. m.:

110 cu. yds. excavation without classification; 165 cu. yds. Class A concrete; 332 lin. ft. wooden piles. Commission will furnish reinforcing steel and cement. Austin B. Fletcher, State Highway Engineer.

OROVILLE, Butte Co., Cal.—Bridges in Butte County on the Chico-Orland State Road will cost the county $35,000, according to estimates submitted to the Supervisors by County Engineer H. H. Hume; one of the structures on the Kusel Slough is already under construction.

IRRIGATION PROJECTS

FALLON, Nev.—Construction on the drainage system of the Newlands project, estimated to cost $700,000, will be started immediately, according to an announcement of the board of directors.

FAIRFIELD, Solano Co., Cal.—Election held to decide the question of forming Suisun Irrigation District carried. District comprises about 28,000 acres of land in Suisun valley.

Engineers and Contractors
PLEASE NOTE

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LIGHTING SYSTEMS

INGLEWOOD, Los Angeles Co., Cal.—A Resolution of Intention to construct ornamental lighting system on Market and other streets, requiring about 86 reinforced concrete posts, with conduits, etc., was adopted by city trustees.

PITTSBURG, Contra Costa Co., Cal.—Engineers of P. G. & E. Co. are preparing estimates of cost for installing electrolier system in Railroad street, installation to be financed by merchants on that thoroughfare.

SACRAMENTO, Cal.—Due to protests the City Commissioners abandoned the plans for installing electroliers in 12th St. from B to L Sts. Frank Miller, City Engineer.

LONG BEACH, Cal.—City Attorney Hoodenpyl has informed Council that it must ignore the unsigned bid submitted by H. H. Walker for a lighting system on Ocean Blvd. from Alamitos Ave. to 39th Place. The next lowest bidder was the Southern Cal. Elec. Co. at $41,555. Walker's figure was $41,277

Until July 15, 12 m., bids will be received by F. W. Mahl, director of purchase, Southern Pacific Co., 165 Broadway, New York, for furnishing and delivering one year's requirements of Pintsch Lighting Equipments, and parts thereof, and electric fixtures, and parts thereof, for passenger train cars; materials to be in quantities as ordered.

MACHINERY

BAKERSFIELD, Kern Co., Cal.—Until July 7, 7:30 P. M., bids will be received by E. R. Long, Secretary of the Board of Education, Room 3, City Hall, for furnishing and delivering lumber, furniture, hardware and paints, all delivered f. o. b. to school buildings as directed. Certified check for 10% payable to Secretary required. Specifications will be furnished on request.

BAKERSFIELD, Kern Co., Cal.—Until July 7, 7:30 P. M., bids will be received by E. R. Long, Secretary of the Board of Education, Room 3, City Hall, for furnishing one and one-half ton truck equipped with special body, seating 35, for transportation of pupils. Certified check for 10% payable to Secretary required with each bid. Specifications will be furnished on request.

OAKLAND, Cal.—City Council, L. W. Cummings, Clerk, appropriates $1,065 to purchase 30,000 ft. common O. P. lumber, SIS.

NAPA, Napa Co., Cal.—Supervisors, Jas. A. Daly, County Clerk, will sell at public auction on July 5, 10 a. m., the rock crushing plant no wset up in the rock crushing plant now set up in Engineer.

PASADENA, Los Angeles Co., Cal.—Until 11 A. M., July 5, bids will be received by City Clerk Bessie Chamberlain for one motor street sweeper equipped with gutter broom; also bids

for one motor sweeper, suction type; bidders to submit specifications.

OAKLAND, Cal.—City Council, L. W. Cummings, Clerk, appropriates $10,300 for drydocking, cleaning, repairing and painting "City of Oakland, Dredge No 2," including the anchor and cable barges belonging thereto.

SACRAMENTO, Cal.—Until July 5, 2 p. m., bids will be received by Harry W. Hall, County Clerk, for construction of new ferry to be operated on the Sacramento River at Isleton. Certified check for 10%, payable to Chairman Board of Supervisors, required with each bid. Plans may be had from County Engineer Drury Butler, Court House, Sacramento.

TRACY, San Joaquin Co., Cal.—City Trustees order bids advertised for drilling well. John Von Sosten, in charge of water works.

SAN FRANCISCO.—Until July 14, 12 m., bids will be received by F. W. Taylor, Purchasing Agent, Southern Pacific Co., 65 Market St., Room 952, for furnishing and delivering as ordered, f. o. b. mill, or as designated by bidder, track bolts and spikes. Form for bidding will be furnished on request.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

OAKLAND, Cal.—City Council, L. W. Cummings, Clerk, passes resolution of intention for following improvements:

37th Ave. from E.-14th St. north to creek, involving 15,040 sq. ft. grading; 885 lin. ft. concrete curb; 1880 sq. ft. concrete gutter; 13,080 sq. ft. oil macadam pavement.

Sunnyside St. from 90th to 96th Aves., involving 84,263; sq. ft. grading; 2673 lin. ft. concrete curb; 5617 sq. ft. concrete gutter; 39,098 sq. ft. oil macadam pavement; 16,852 sq. ft. cement sidewalk.

Florida St. from Maple to Laurel, involving 2738 cu. yds. excavation; 1202 lin. ft. concrete curb; 2485 sq. ft. concrete gutter; 16,048 sq. ft. oil macadam pavement; 6213 sq. ft. cement sidewalk. Geo. Mattis, City Engineer.

BAKERSFIELD, Kern Co., Cal. — Until July 11, 5 p. m., bids will be received by V. Van Riper, City Clerk, for improving G St. bet. 20th and 21st by grading, tamping and rolling subbase and paving with 3½-in. Willite base with 1½-in. Willite wearing surface, including intersections. Imp. Act 1911. R. H. Hubbard, City Engineer.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—City Trustees, Daniel McSweeney, Clerk, pass resolution of intention No. 41, to improve alley in Block 102, from Spruce to Magnolia; alley in Block 95 from Magnolia 600 ft. westerly; alley in Block 117 from Maple to Spruce; alley in Block 119 from Maple to Spruce; alley in Block 99 from Spruce to Magnolia by grading and constructing steel wire mesh reinforced concrete pavement 4-in. thick. Imp. Act 1911. Protests will be heard July 18. Geo. Kneese, City Engineer.

CALIFORNIA.—W. A. Kettlewell & Son, Kingsburg, awarded contract by State Highway Commission for grading 4.2 miles and paving 1.5 miles on Chico-Orland lateral extending from west boundary of Butte County to 2½ miles northwest of Chico. Bid, $53,938. Engineer's estimate, $76,819.43.

Bates and Rogers Construction Co., South San Francisco, at $275,722, awarded contract for paving 19.4 miles on Pacheco Pass lateral from Los Banos to west boundary of Merced County. Engineer's estimate, $379,597.75.

SAN FRANCISCO—No bids received June 23rd by the Construction Service, Quartermaster Corps, Fort Mason, for constructing cement pavement at Rockwell Field, Calif.

YUBA CITY, Sutter Co., Cal.—City Trustees overrule protests against paving 36 blocks of streets and order bids received up to July 11. Edw. von Geldern, City Engineer.

SOUTH PASADENA, Los Angeles Co., Cal.—Until 5 p. m., July 11, bids will be received by City Clerk for improvement of Orange Grove Ave. involving 180,000 sq. ft. 3-in. oil macadam pavement and 15,500 sq. ft. cement gutter; also for improvement of Garfield Ave., involving 15,000 sq. ft. 3-in. oil macadam pavement. Certified check or bid bond for 10% required. R. B. Orbison, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Council, S. A. Evans, Clerk, passes resolution of intention to sewer portions of Harrison and Grant Aves., Chilverton St., Dellview, Melrose, Parnell, Fairmount, Morrisey Aves., Rooney, Elk, et al. streets. Project involves 2686.93 ft. 10-in., 682.03 ft. 8-in. and 6802.03 ft. 6-in. sewer; 88 10-in., 21 8-in. and 215 6-in. Y branches and 35 manholes. James K. James, City Engineer.

SANTA MONICA, Los Angeles Co., Cal.—The city opened bids for 35,000 ft. Class B cast iron pipe, 6 to 12 in. and 4 fire hydrants. The bidders were U. S. Cast Iron Pipe & Fdry. Co., R. D. Woodham Co., Keystone Iron Works, Smith Booth-Usher Co., Crane Co. and Grennell Co. Bids referred to Commissioner of Public Works W. H. Carter.

SANTA CRUZ, Santa Cruz Co., Cal.—Until July 7, 2:30 P. M., bids will be received by H. E. Miller, County Clerk, for improving Bear Creek road in San Lorenzo road district. Lloyd Bowman, County Engineer.

SANTA ANA, Orange Co., Cal.—Until 11 A. M., July 12, new bids will be received by the Supervisors of Orange County for grading and graveling approximately 3 miles of the Ball road in Second and Third Road Districts. Certified check or bond for 5%. Bids received for this work June 21 were rejected. J. L. McBride, County Engineer. J. M. Backs, County Clerk.

HUNTINGTON PARK, Los Angeles Co., Cal—Resolution of Intention to improve following streets by grading and paving with asphalt concrete and constructing concrete gutters 1 ft. wide, work to be done under 1911 act, adopted by City Trustees: Stafford Ave., bet. Irvington and Florence Aves.; Marconi St., bet. Clarendon and Irvington Aves.; Cottage St. between Irvington and Lyfot Aves.; Regent St., bet. Irvington and Lyfort Aves. Howard McCurdy, Pacific Elec. Bldg., Los Angeles, City Engineer.

BERKELEY, Alameda Co., Cal. — Council, E. M. Hann, Clerk, passes Resolution of Intention to construct concrete curbs in east side of Shattuck avenue from Allston Way south 12 feet, north of Bancroft Way; that portion of Shattuck Ave. between present pavement and new curb line as proposed by grading and paving with concrete base, surfaced with asphalt and screenings; constructing 10, 12 and 18-in. sewers, catchbasins, etc. Improvement Act 1911. Protests will be heard July 12. C. L. Huggins, City Engineer.

SAN BERNARDINO, Cal.—Until 11 A. M., July 11, bids will be received by the Supervisors of San Bernardino County for paving with 4-in. concrete 24 ft. wide Turner Ave. from San Bernardino Ave., to a point 5230 ft. south, in Road Improvement District No. 13; work to be done under Road District Improvement Act of 1907.

PHOENIX, Ariz.—The City Commission authorized over $150,000 worth of street paving in Phoenix as follows. Portland St. from Central Ave. to Seventh St.; Third St. from Grant to Jefferson Sts.; Jefferson St. from Seventh to Eighteenth Ave.; Filmore St from Fifth to Seventh Ave. and Woodland Ave. from Seventh to Fifteenth Ave. City Engineer Hitchcock was also authorized to prepare plans for paving West Moreland St. from Third to Fifth Ave.

SAN DIEGO, Cal.—deWaard & Cobham, 207 Granger Bldg., San Diego, submitted lowest bid at $103,345 for constructing sewer and water system at naval training station, San Diego, using all cement pipe for sewer. Miller & Eddleman of San Diego, submitted lowest bid at $118,900, using vitrified pipe for sizes 24 in. and under. Other bids received by constructing quartermaster at Fort Mason were: Wright Doring, $144,000; Lange & Bergstrom, $145,000; Thos. Haverty Co., Los Angeles, $147,500; G. E. Engineering Co., N. Y., $167,300; Bruno Pizzimenti, $178,444. The contract will involve about 7400 ft. sewer pipe, 675 ft. 8-in. cast iron force main; 3550 ft. cast iron pipe 6 to 12 in. and 4 fire hydrants. Bids taken under advisement.

LOS ANGELES, Cal.—Dodson & Butterfield, 107½ 6th St., San Pedro, awarded contract at $2278.98 for paving first alley west of Pacific Ave. from 12th to 13th streets, San Pedro, involving 5655 sq. ft. grading; 5655 sq. ft. concrete paving.

Tryon & Brain, 210 Tajo Bldg., Los Angeles, awarded contract at $9,556.54 for grading and oiling Eighth St. from Gaffey to Meyler St., San Pedro, involving 360 sq. ft. asphaltic paving; 792 sq .ft. concrete paving; 43,309 sq. ft. grading; 43,309 sq. ft. oiling and rolling; 6861 sq. ft. sidewalk; 5028 sq. ft. concrete gutter; 2620 ft. curb. Dodson & Butterfield bid $10,402.91; engineer's estimate, $10,456.15.

Baker & Chalmers, 312 American Bank Bldg., Los Angeles, awarded contract at $14,484.05 for grading and oiling Melrose Ave. from Virgil to Vermont, involving 51,871 sq. ft. grading; 51,871 sq. ft. oiling and rolling; 2736 ft. curb; 12,680 sq. ft. sidewalk ;5385 sq. ft. concrete gutter. Other bids received were: G. T. McLain, $14,584.75; C. W. Shafer, $15,489.94; engineer's estimate, $15,283.40.

DELANO, Kern Co., Cal.—Engineer John S. Bates, 627 Rowell Bldg., Fresno, has been selected by the Trustees to prepare plans for proposed sewer system. Willis Reid, City Clerk.

SAN BRUNO, San Mateo Co., Cal. — Until July 13, 8 p. m., bids will be received by Nettie A. Willits, City Clerk, for improving portions of Easton, Green, Mastick, Huntington, Angus, Sylvan and Jenevein Aves.

Separate bids for improving portions of Mills, Masson, Green, San Bruno, Kains and Angus Aves.

Separate bids for improving portions of Hensley, Green, Easton, Mills and Huntington Aves., all by grading, paving with a waterbound rock macadam base with asphaltic oil and screenings surface, concrete curbs, gutters, etc. Imp. Act 1911. Geo. A. Kneese, City Engineer.

SAN ANDREAS, Calaveras Co., Cal. —W. S. Coulter, County Surveyor, is completing survey for the proposed Banner-Esperanza Road.

SANTA CRUZ, Santa Cruz Co., Cal.—Until July 7, 2 p. m., bids will be received by H. H. Miller, County Clerk, for improving Beach Road in Pajaro Road District. Lloyd Bowman, County Engineer.

STOCKTON, San Joaquin Co., Cal.—Until July 12, 10:30 a. m., bids will be received by A. L. Banks, City Clerk, for constructing storm water sewers in the Yosemite Subdivision. Certified check for 10% payable to Clerk required with each bid. W. B. Hogan, City Engineer.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications for improving San Jose Ave. bet. Ottowa and Sickles Ave., estimated cost, $58,500. Involves 8530 cu. yds. cut; 4960 cu. yds. fill; 5816 lin. ft. concrete curb; 590 lin. ft. 10-in. vitrified pipe culvert; 16 brick catchbasins; 124,415 sq. ft. asphaltic concrete pavement.

Specifications also completed for sewering Bradford St. bet. Tompkins St. and Jarboe Ave., estimated cost, $1750. Involves 398 lin. ft. 8-in. vitrified pipe sewer; 32 Y branches; 2 brick manholes; 1 lamphole.

Preliminary details completed for widening Army St. from 66 to 75 ft. from west line Third St. to east line De Haro St.

LOS ANGELES, Cal.—Los Angeles Paving Co., 2900 Santa Fe Av., was awarded the contract at $181,999.99 for paving Hawthorne Ave. between Inglewood and Redondo Road, 5.38 miles in Road Improvement District No. 193, with 5-in. concrete reinforced with wire mesh. The contract involves 12,153 cu. yds. excavation; 28,140 lin. ft. shaping roadbed; 8800 tons disint. gran.; 63,577 sq. yds. paving; 204 ft. 12-in., 45 ft. 15-in., 465 ft. 18-in. and 95 ft. 30-in. pipe culvert; and 261 cu. yds. concrete in headwalls and culverts; 591,900 sq. ft. 6x6 in No. 7 wire mesh. County will furnish 5100 tons disint. gran.

CORONADO, San Diego Co., Cal. — A verbal report on the sewer situation was submitted to City Trustees by Mr. Stone, representing Olmsted & Gillelen, constructing engineers of Los Angeles and San Francisco. A tentative plan provides for an intercepting sewer to cost about $24,000; a septic tank to cost about $10,000; wharf to carry outfall sewer into ocean, cost $35,000 for creosoted wood piles or $55,000 for concrete piles and 2 pumping stations to cost $9000 each. The matter will be further considered on receipt of the written report of the engineers.

LOS ANGELES. — Adam Dalmatin and Mike Guho, 818 E. 40th St., submitted lowest bid at about $71,000 for constructing cement pipe sewer in Indiana St. sewer district involving 355.06 ft. 21-in. deep and wide socket pipe with concrete reinforcement; 2612.65 ft. 18-in. deep and wide socket pipe reinforced; 6109.51 ft. 18-in. standard pipe; 5 manholes over 22 ft.; 14 manholes 15 to 22 ft.; 14 manholes under 15 ft.; 719.4 ft. chimney pipe.

EAST SAN DIEGO, Cal.—A resolution of intention to construct a lateral sewer system adopted by the City Trustees, work to be done under the 1911 Imp. Act and 1915 Bond Act. The resolution provides for 6-in. vitrified pipe and 8-in. cement pipe. Protests will be heard July 14. Work is to be done under direction of City Engineer E. Paul Ford.

VENTURA, Ventura Co., Cal.—The Southwest Paving Co., Washington Bldg., Los Angeles, has signed a contract, amounting to about $172,000, to pave certain city streets. A friendly suit will be instituted to determine certain legal questions regarding grade of streets, before construction work is started.

STOCKTON, San Joaquin Co., Cal.—Kopperud & Heafey, 2030 High St., Oakland, submit only bid to Council June 28 for street improvements in Schweitzer and Merryvale additions and in Lakeside and City Park Terraces. Bids were above estimates of City Engineer W. B. Hogan and taken under advisement.

MARTINEZ, Contra Costa Co., Cal.—Until July 18, 11 a. m., bids will be received by Supervisors for furnishing and delivering corrugated iron culvert pipe for use on county highway system. R. R. Arnold, County Engineer.

BAKERSFIELD, Kern Co., Cal.—The City Council, V. Van Riper, Clerk, passes resolution of intention to construct concrete curbs and sidewalks in California Ave. bet. F and M Sts. (Street Dist. No. 75). Imp. Act 1911. R. H. Hubbard, City Engineer.

MERCED, Merced Co., Cal.—Until July 18, 8 P. M., bids will be received by W. W. Cornell, City Clerk, for improving portions of 16th street, involving 195,254 sq. ft. of 6-in. concrete pavement; 1000 lin. ft. concrete curb; 420 ft. main cast iron culvert and 208 ft. of branch cast iron culvert. Improvement Bond Act, 1915. Chas. Martin is City Engineer.

ALAMEDA, Alameda Co., Cal.—City Council, W. E. Varcoe, Clerk passes Resolution of Intention (No. 403) to improve Buena Vista Ave., from existing manhole in Everett street, westerly to existing sewer 50 feet east of Foley street, by constructing 6-in. vitrified pipe sewer with 6 Y branches. Protests will be heard July 5. C. E. Hickok, City Engineer.

TURLOCK, Stanislaus Co., Cal.—Until July 5, 8 p. m., bids will be received by A. P. Ferguson, City Clerk, for improving North and South First Sts., between A and West Olive, by grading, paving with a 6-in. concrete base. Imp. Act 1911. Horace Hall, City Engineer.

YUBA CITY, Sutter Co., Cal.—Until July 11, 8 p. m., bids will be received by C. C. Kline, City Clerk, for construction of and furnishing materials for storm sewer system. Bids will be taken as follows:

(1) Furnishing and laying 2220 ft. cement concrete pipe storm sewers 16 in. in diameter.

(2) Furnishing and laying 5220 ft. cement concrete pipe storm sewers 10 in. in diameter.

(3) Furnishing and laying 832 ft. cement concrete pipe storm sewers 8 in. in diameter.

(4) Furnishing materials and constructing 3 catchbasins.

(5) Furnishing materials and constructing 5 manholes.

Town will furnish grates, grate frames, manhole frames and covers. Plans may be had from Clerk on deposit of $10. Edw. Von Geldern, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—Until July 18, 11 a. m., bids will be received by Supervisors for building oil macadam shoulders and gutters in Main St., Bay Point. R. R. Arnold, County Engineer.

WOODLAND, Yolo Co., Cal.—Request of County Supervisor Wm. Leinberger seeking construction of a county highway between Bryte and Keisel stations, taken under advisement by the county board. The road, to be financed by direct tax, would furnish a new route from Woodland to Sacramento, reducing the mileage about 4 miles.

AZUSA, Los Angeles Co., Cal.—Until 7:30 p. m., July 5, bids will be received by City Clerk J. O. Durrell for improving Pasadena Ave. from 10th St. to south city boundary, about 1¼ miles. Bids for this work were to have been received July 27 but the opening was postponed. A rock and oil pavement 18 ft. wide will be constructed. C. L. Nichols, City Engineer.

VENICE, Los Angeles Co., Cal. — Peter L. Ferry, 614 E. Acacia Ave., Glendale, submitted the only bid for paving alleys in 10 blocks of Short Line Beach Venice Canal Sub. at 35c sq. ft. for 4-in. concrete pavement and 39c sq. ft. for 5-in. concrete pavement.

SAN FRANCISCO.—Board of Public Works approves specifications for improving crossing of Baden St. and Hearst Ave., estimated cost, $1750. M. M. O'Shaughnessy, City Engineer.

PRESCOTT, Arizona. — Olmsted & Gillelen, Hollingsworth Bldg., L. A., and Balboa Bldg., S. F., consulting engineers, have been retained by the Yavapai County Highway Commission to prepare plans and specifications and have supervision of the construction of county highways under the $1,500,000 county bond issue.

SUSANVILLE, Lassen Co., Cal. — City Trustees approve the formation of sanitary district to provide for installation of a sewer system, not only including city proper but outlying districts as well. C. C. Kennedy, 58 Sutter St., San Francisco is City Engineer.

SACRAMENTO, Cal.—Following are approximate quantities of materials required for constructing 10.6 miles of State Highway in Trinity County bet. 2 miles south of Weaverville and Tom Long Gulch (11-Tri-20-A), to be graded; bids to be opened July 11, 2 p. m., by State Highway Commission:

120,000 cu. yds. excavation without classification; 730 cu. yds. Class A Portland cement concrete (culverts and monuments); 1700 cu. yds. rubble masonry (retaining walls); 950 cu. yds. dry rubble (retaining walls); 2750 lin. ft. 12-in., 1300 lin. ft. 18-in., 1050 lin. ft. 24-in. and 100 lin. ft. 30-in. corrugated metal pipe; 542 monuments. Commission will furnish reinforcing steel, corrugated metal pipe and cement. Austin B. Fletcher, State Highway Engineer.

CORCORAN, Kings Co., Cal. — City Trustees vote to construct municipal swimming pool, for which $6000 is available.

SACRAMENTO, Cal. — Due to protests the City Commission has abandoned its plan to improve 37th St. from 5th to 7th Ave., 7th Ave. from 37th St. to Sacramento Blvd., and 38th St. from 7th Ave. to the alley bet. 7th and 9th Aves. Frank Miller, City Engineer.

OROVILLE, Butte Co., Cal.—No bids received June 27 by Supervisors for constructing Sterling City-Paradise Highway Unit, 5 miles, Section B; work ordered done by force account, under supervision of H. H. Hume, County Engineer.

PALO ALTO, Santa Clara Co., Cal.—W. J. Tobin, 527 Santa Ray Ave., Oakland, awarded contract by Council for constructing storm sewers, $14,710.63. J. F. Bxybee, Jr., City Engineer.

BERKELEY, Alameda Co., Cal. — Former Councilman Harry C. Newkirk has been appointed sanitary engineer by the City Council to solve Berkeley's garbage problem.

BAKERSFIELD, Kern Co., Cal. — Preliminary landscape plans for the Stark Park submitted to City Council by Donald McLaren and E. LaVallee of MacRorie, McLaren Co., San Francisco, provide for hand ball and tennis courts and concrete swimming tank 40x90 ft., in addition to installation of playground equipment. The park as planned, including equipment, will cost $27,000.

STOCKTON, San Joaquin Co., Cal.—John H. Kennard and F. Kaus, Stockton, awarded contract by Council to construct 1065.40 sq. ft. concrete sidewalks in portions of American St. at .26c ft., total $276.92. W. B. Hogan, City Engineer.

HANFORD, Kings Co., Cal. — Until July 11, 5 p. m., bids will be received by D. C. Williams, City Clerk, for improving Florinda St. from Park Ave. to Douty; Ivy St. from Park Ave. to Brown St.; Keith from Irwin to Douty; Dewey from Irwin to Redington; Central Ave. from Park Ave. to Keweah and Keweah from Central to Center and Center from Keweah to Irwin St. All by grading, constructing cement curbs and gutters and paving with a bituminous base 4 in. thick with a Warrenite-Bitulithic wearing surface 1½ in. thick.

Low bid for this work was submitted on April 11 by California Const. Co., 1909 Fresno St., Fresno, the only other bidder being Federal Const. Co. of San Francisco. Bids were rejected. Edw. M. Lynch, City Engineer.

YREKA, Siskiyou Co., Cal.—Approximately $5000 will be secured by popular subscription to build and improve road to Butte Valley via Sheep Rock route, giving an all-year-round road to a point on the Klamath Fallis-Weed Railroad at Delaney Station.

YUBA CITY, Sutter Co., Cal.—Until July 11, 8 p. m., bids will be received by C. C. Kline, City Clerk, for laying approximately 7500 ft. of 8, 6, 4 and 3-in. water mains with valves, etc., and connecting same with present water works system. Town will furnish materials. Edw. Von Geldern, City Engineer.

BAKERSFIELD, Kern Co., Cal. — Until July 9, 3 p. m., bids will be received by Architect J. M. Saffel, Bakersfield, for constructing approximately 326 lin. ft. of cement walks at Petroleum School. Walks will be 4 ft. wide, 4 in. thick of rough concrete and ½ in. top coat, blocked off 2x3. Specifications may be had from the architect

REDONDO BEACH, Los Angeles Co., Cal.—Until 8 p. m., July 5, bids will be received by City Clerk Harry Polglase, for improving Juanita Ave., about ¼ miles. Contract will involve about 24,518 cu. yds. cut; 544 cu. yds. fill; 118,520 sq. ft. 3-in. oil macadam pavement; 30,100 sq. ft. oiled roadway; 575 lin. ft. curb; Vrooman Act. Engineer's estimate, $43,000. Plans and specifications may be seen at office of City Clerk or at the office of City Engineer Victor H. Staheli at Manhattan Beach.

CALIFORNIA. — Plans for the construction of the State Highway bet. the Edison power station at the mouth of the Kern River Canyon and Bodfish are being pushed by the Highway Commission and active construction is planned for the early spring of 1922.

SAN BERNARDINO, Cal. — H. H. Lienau of Redlands awarded contract for paving Arrowhead Ave. from 16th St. to Highland Ave. at 17.7c sq. ft. for 4-in. concrete pavement with ⅜-in. oil and rock screenings surface and 40c ft. for curb. W. D. Bohan was awarded contract for paving Arrowhead Ave. from Highland Ave. to north city limits at 19.7c sq. ft. for 4-in. concrete pavements with ⅜-in. oil and rock screenings surface and 44c ft. for curb. H. H. Lienau bid 20c for paving. The two contracts amount to $45,785.

SAN DIEGO, Cal. — County Supervisors are considering plans and specifications for grading and paving with 5-in. 1:2:4 concrete, 18 ft. wide, Highland Ave. from city limits of National City to city limits of Chula Vista, 3334 ft. This improvement is in Supervisor Hornbeck's district and will be under supervision of County Surveyor Geo. Butler. Bids will be called for in the near future.

VALLEJO, Solano Co., Cal. — T. D. Kilkenny, City Engineer, completes specifications for sewer extensions in the northeast section of the city. Due to lack of funds no action is expected of the Council at this time.

SAN DIEGO, Cal.—The County Highway Commission expects to submit to supervisors early in July plans and specifications for grading county road from Foster to top of Mussey grade, 4½ miles. W. M. Morton is Chief Engineer.

SAN RAFAEL, Marin Co., Cal.—The City Council is planning to pave with "Richmondite" all accepted streets in the city for their entire width; work to be done under the Vrooman Act. H. H. Jones, City Engineer.

SAN DIEGO, Cal.—Geo. R. Daley, 440 McNeece Bldg., submitted the only bid for improving Texas St. from University Ave. to Balboa Park involving 104,240 sq. ft. 3-in. asphaltic concrete pavement at 20½c ft. and surfacing gutters at 4c sq. ft. Bid referred to City Manager Rhodes.

SALEM, Ore.—State Highway Commission awards contracts for highway improvements as follows: Warren Const. Co., Portland, for paving Newberg viaduct, $4856.70; to Bates & Rogers Const. Co., South San Francisco and Portland, at $86,700 for Unit 1, Brush Creek-Mussel Creek section of Roosevelt Highway in Curry County.

SAN DIEGO, Cal.—Until 10:30 a. m., July 11, bids will be received by Supervisors of San Diego County for grading and paving with concrete Mission Road 1-B from San Marcos to Bunea, 3.453 miles, involving 8350 cu. yds. embankment; 100 cu. yds. loose rock excavation; 250 cu. yds. solid rock excavation; 8740 cu. yds. disintegrated granite foundation in place; 5097.2 cu. yds. concrete paving 5 in. thick, 1:2:4 mix, 18 ft. wide; 20,000 sq. ft. reinforced mesh; 200 cu. yds. excavation for culverts; 80.7 cu. yds. concrete for culverts and 3893 lbs. reinforcing steel. Charge of $5 will be made for plans and specifications. Certified check on bid bond for 5%. W. M. Morton Highway Engineer

RAILROADS

SACRAMENTO — Western Pacific Railroad contemplating extension of Sacramento-Northern railroad from its Chico terminal to Red Bluff, according to Supt. of Transportation J. P. Quigley.

WASHINGTON, D. C.—Bids are being received by the Panama Canal Commission Purchasing Dept., Washington, D. C., for the purchase of 15 201-class locomotives for sale by the Panama Canal and no longer needed. Manufactured by American Locomotive Co.; original cost of each, $11,307. Further information on request.

ATASCADERO, San Luis Obispo Co., Cal.—Southern Pacific Co. will erect new station at Atascadero in addition to installing new tracks, etc. Approximately $200,000 will be expended in improvements.

SEATTLE, Wash.—City Council is planning election to vote bonds of $1,330,000 to finance construction of extensions to municipal car system.

FIRE EQUIPMENT

FIRE ALARM SYSTEM PLANNED

SAN MATEO, San Mateo Co., Cal.—Fire Department urges Trustees to place on ballot at coming election a proposition providing for issuance of $25,000 in bonds to finance installation of 50-box fire alarm system.

GALT, Sacramento Co., Cal.—Chamber of Commerce starts movement to raise $2500 to purchase chemical engine and other fire apparatus.

BUSINESS OPPORTUNITIES

C. M. Cerati, East Nicolaus, Cal., is in the market for concrete and steel molds for line fence posts.

Atlas Foundry & Mach. Co., Tacoma, Wash., wishes to communicate with foundry supply houses in this city.

Sheppard Lathe Co., Rising Sun, Ind., manufacture a lathe especially adapted to garage and wish to communicate with salesmen now calling on this trade throughout the city and State with a view of adding their line on commission basis.

Geo. Barnsley & Sons Cornice Wks., Sheffield, England, are in the market for scythe snaths and wish to communicate with and receive full details from American manufacturers.

PRESENT CONSTRUCTION DEFICIT

The most reliable figures available show that, in addition to the annual normal construction requirements, there is an accumulated construction deficit at present which amounts to the staggering total of almost $15,000,000,000, as follows: Housing, $5,000,000,000; railways, $5,000,000,000; public utilities, $1,900,000,000; highways, $2,100,000,000; miscellaneous construction, $500,000,000.

SACRAMENTO BUILDERS AGREE TO WAGE CUT

A general reduction in wages affecting all the building trades in Sacramento, approximating $1 a day and averaging 10 per cent and over, has been agreed upon by the Building Trades Council and the contractors.

As a result of the new agreement, the carpenters will receive $8 per day instead of $9. With the $1 off painters will get $8; plasterers, $10; plumbers, $9; electricians, $9; cement finishers, $8, and other trades on the same basis.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
1404	Geristukis	Owner	500
1405	Sturdivant	Owner	1000
1406	Crothers	Owner	600
1407	Beck	Owner	100000
1408	Bjorkman	Owner	2900
1409	Waters	Kincanon	30000
1410	Cummings	United	350
1411	Same	Hogberg	3250
1412	Same	Globe	1393
1413	Same	United	1626
1414	Haas	Warwick	4000
1415	Parker	Owner	5000
1416	Maydwell	Owner	700
1417	Barbe	Bourdin	675
1418	Cobbey	Owner	750
1419	Nauer	Merritt	1530
1420	Martin	Merritt	800
1421	Sullivan	Swenson	800
1422	Nasten	Filippis	1000
1423	White	Johnson	3000
1424	Willys	Bessitt	5600
1425	Baldocchi	Ferroni	850
1426	Pringle	Donovan	900
1427	Lilienthal	Penny	2782
1428	Searles	Marton	15900
1429	Lurie	Vukicevich	37500
1430	Peterson	Owner	6000
1431	McVeigh	Little	12000
1432	Spiro	Lewis	5000
1433	Rising	Meyer	5050
1434	Johnson	Owner	5900
1435	Waffel Kitchen	Sass	750
1436	Rapheld	Legault	10000
1437	Svendsen	Owner	2900
1438	Sharman	Owner	900
1439	Gekco	Central	2000
1440	Lurie	Vukicevich	37580
1441	Lurie	Vukicevich	13262
1442	S. P.	Fay	——

PERMITS

RESIDENCE
(1404) 524 CONNECTICUT ST. Two rooms in basement of residence.
Owner—J. G. Geristukis, 524 Connecticut St.
Architect—Plans by owner.
Day's Work. $500

REPAIRS
(1405) 423 FULTON ST. Repair fire damage for auto repair shop.
Owner—P. H. & B. B. Sturdivant, 423 Fulton St.
Architect—None.
Day's Work. $1000

FLOOR
(1406) 769 MARKET ST. Reconstruct tile floor.
Owner—R. A. Crothers, 769 Market St.
Architect—None.
Day's Work. $600

APARTMENTS
(1407) E POWELL 68-6 N Bush. Six-story & basement brick (34) apts.
Owner—Edw. Beck, 281 Lee Ave., Okd.
Architect—M. V. Polieto, First Natl. Bank Bldg.
Day's Work. $100,000

RESIDENCE
(1408) E STANYAN 125-5 N Belgrave Ave. One-story & basement frame residence.
Owner—Victor Bjorkman, 3214 Mission
Architect—None.
Day's Work. $2900

APARTMENTS
(1409) E VAN NESS AVE 96 N Vallejo. Two-story and basement frame (8) apartments.
Owner—Mrs. A. M. Waters and Rose E. Lawton, 1120 Jones St., S. F.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor— Kincanon & Perego, 159 Sutter St., San Francisco. $30,000

RECORDED

ROOFING
(1410) N BUSH 91-8 E Taylor 51-11x 137-6. Tile roofing for residence for Chief Engineer.
Owner—M. Earl Cummings.
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.
Contractor—United Materials Co., Sharon Bldg., San Francisco.
Filed June 24, '21. Dated June 15, '21.
On or before 10th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $350
Bond, $175. Surety, Fidelity & Deposit Co. of Maryland. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(1411) BRICK AND TERRA COTTA on above.
Contractor—Emil Hogberg, 180 Jessie St., San Francisco.
Filed June 24, '21. Dated June 15, '21.
Payments same as above.....
TOTAL COST, $3250
Bond, $1625. Surety, United States Fidelity & Guaranty Co. Limit, 270 days. Forfeit, none. Plans and specifications filed.

(1412) ELECTRICAL WORK ON above.
Contractor—Globe Electric Works, 1959 Mission St., San Francisco.
Payments same as above.....
TOTAL COST, $1393
Bond, $696.50. Surety, The Fidelity & Casualty Co. Limit, 270 days. Forfeit, none. Plans and specifications filed.

(1413) FLASHING OF TILE ROOF & exposed sheet copper work on above.
Contractor—United States Metal Products Co., 330 10th St., S. F.
Filed June 24, '21. Dated June 15, '21.
Payments same as above.....
TOTAL COST, $1626
Bond, $813. Surety, American Indemnity Co. Limit, 270 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1414) W DIVISADERO 25 S Hayes. Minor additions and alterations for flats and store.
Owner—Geo. W. Haas, Phelan Bldg., San Francisco.
Architect—Chas. Skidmore, New Call Bldg., San Francisco.
Contractor—Harry Warwick, 3191 Washington St., San Francisco. $4000

RESIDENCE
(1415) W TWENTY-SIXTH AVE — N Lake. Two-story and basement frame residence.
Owner—K. E. Parker, 519 California St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $5000

DWELLING
(1416) NO. 527 BAY SHORE AVE. One story frame dwelling.
Owner—D. C. Maydwell, 55 Octavia St., San Francisco.
Architect—None.
Day's work. $700

ALTERATIONS
(1417) NO. 1533 PACIFIC AVE. Brace laundry with steel girder; construct skylight and build brick wall around boiler room.
Owner—J. Barbe, Premises.
Architect—None.
Contractor—J. B. Bourdin, 804 Potrero Ave., San Francisco. $675

ALTERATIONS
(1418) SW VALENCIA & SIXTEENTH Alter store front.
Owner—W. B. Cobbey, 504 Valencia St., San Francisco.
Architect—A. I. Coffey, 504 Valencia St., San Francisco.
Day's work. $750

ALTERATIONS
(1419) 20 TWENTY-EIGHTH ST. Alter residence.
Owner—Edward Nauer, Premises.
Plans by Contractor.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $1530

ALTERATIONS
(1420) 410 TWELFTH AVE. Raise and alter for private garage in basement of dwelling.
Owner—M. Martin, 1127 Clement St., San Francisco.
Plans by Contractor.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $800

ALTERATIONS
(1421) NE CLAY AND SPRUCE. Rearrange front steps and plaster front.
Owner—Walter H. Sullivan, 129 Sutter St., San Francisco.
Architect—Leo. J. Devlin, 759 Pacific Bldg., San Francisco.
Contractor—Swenson & Franzen, 145 Natoma St., San Francisco. $800

FOUNDATION
(1422) NO. 1537 JONES. New concrete foundation, brick wall, etc., for residence.
Owner—J. Nasten, Premises.
Architect—None.
Contractor—V. Filippis, 1527 Powell St., San Francisco. $1000

DWELLING
(1423) E TENTH AVE 350 S Noriega. One-story and basement frame dwelling.
Owner—W. J. White, — 10th Ave., San Francisco.
Architect—None.
Contractor—Joel Johnson, 180 Jersey St., San Francisco. $3000

ALTERATIONS
(1424) NW BUSH AND VAN NESS. Construct stairway from salesroom on ground floor for display rooms.
Owner—Willys Overland, Premises.
Architect—None.
Contractor—C. H. Bessitt Bldg., Co., 660 Market St., San Francisco. $5600

ALTERATIONS
(1425) 251 CHENERY. Re-arrange partition and construct two bay windows for residence.
Owner—G. Baldocchi, 1312 Grant Ave., San Francisco.
Architect—None.
Contractor—G. Ferroni & Sons, 1926 Filbert St., San Francisco. $850

ADDITION
(1426) 2323 FRANKLIN. Add bath to residence and general repairs.
Owner—E. J. Pringle, 350 Russ Bldg., San Francisco.
Architect—None.
Contractor—P. J. Donovan, 1177 6th Ave., San Francisco. $300

ADDITION
(1427) 2007 FRANKLIN. Add sleeping porch to residence.
Owner—Samuel Lilienthal & wife, 2007 Franklin St., San Francisco.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.
Contractor—Isaac Penny, 902 Chronicle Bldg., San Francisco. $2782

RESIDENCE
(1428) W SAN FERNANDO 130 N St. Francis Bolvd. Two-story and basement frame residence.
Owner—Robert Searles.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, 217 Balboa Bldg., San Francisco. $15,900

FILM EXCHANGE
(1429) N TURK 37-6 E Leavenworth. Two-story and basement reinforced concrete (3) stores (film exchange).
Owner—Louis R. Lurie, Mills Bldg., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco. $37,500

DWELLING
(1430) S CASELLI 206-8 W Douglas. One and one-half-story and basement frame dwelling.
Owner—W. C. Petersen, 1570-A Eddy St., San Francisco.
Architect—None.
Day's work. $6000

FRAME FLATS
(1431) E TWENTY-SIXTH AVE 126 S West Clay. Two-story and basement frame (2) flats.
Owner—John and Margaret McVeigh, Care Architect.
Architect—August C. Headman, Call Bldg., San Francisco.
Contractor—John Little, 1035 Lincoln Way, San Francisco. $12,000

FRAME STORE
(1432) N WASHINGTON 103 E Broderick. One-story frame store.
Owner—Samuel and M. E. Spiro, 301 Market St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—H. C. Lewis, 68 Post St., San Francisco. $5000

RECORDED

RESIDENCE
(1433) E THIRTY-SIXTH AVE 125 S Clement E 120xS 25. All work for two-story frame residence.
Owner—B. M. Rising, 460 31st Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Theo. G. & Rollin E. Meyer (as Meyer Bros.), 5326 Geary St., San Francisco.
Filed June 29, '21. Dated May 18, '21.
Frame up and roof boarding on.$1212
Roof on and brown coated..... 1212
Completed and accepted..... 1213
Usual 35 days..... 1213
TOTAL COST, $5050
Bond, $2525. Sureties, J. A. Hammill and Nathaniel Thompson. Limit, 90 days. Forfeit, none. Plans only filed.

FRAME FLATS
(1434) E BELVEDERE 100 S 17th Two-story and basement frame (2) flats.
Owner—Axel Johnson, 844 14th St., San Francisco.
Architect—None.
Day's work. $5900

ALTERATIONS
(1435) 149 ELLIS. New front and alter store.
Owner—Waffel Kitchen.
Architect—None.
Contractor—Sass & Son, 134 St. Anne St., San Francisco. $750

APARTMENTS
(1436) W TWENTY-SEVENTH AVE 100 N Geary. One-story and basement frame (2) apartments.
Owner—J. Rapheld, Monadnock Bldg., San Francisco.
Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.
Contractor—F. A. Legault, 401 Phelan Bldg., San Francisco. $10,000

DWELLING
(1437) SE ANZA & LISBON STS. One-story & basement frame dwelling.
Owner—Omund Svendsen, 120 Highland Ave.
Designer—John H. Dreyer.
Day's Work. $2900

DWELLING
(1438) E GOETTINGER 200 N Harkness. One-story & basement frame dwelling.
Owner—T. L. Sharman, 1440 Shafter Ave.
Architect—None.
Day's Work. $900

GIRDER
(1439) 214 POST ST. Install trible I beam girder in store front.
Owner—Gekco Co., Geo. H. Young, Agent, 268 Mission St.
Architect—Will H. Toepke, 942 Market
Contractor—Central Iron Works, 2050 Bryant St. $2000

FILM EXCHANGE
(1440) N TURK 37-6 E Leavenworth E 50 N 87-6. All work for 2-story & basement Class B bldg. (film exchange laboratory).
Owner—Louis R. Lurie, Mills Bldg.
Architect—Albert Schroepfer, Nevada Bank Bldg.
Contractor—Vukicevich & Bagge, 180 Jessie St.
Filed June 30, 1921; dated June 29, 1921.
1st of each month 75%
Usual 35 days 25%
TOTAL COST, $37,580
Bond, $18,790. Sureties, J. H. McCallum & Harry W. Gaetjen. Forfeit, none. Limit, 110 days. Plans and specifications filed.
NOTE—Permit reported June 30, 1921. No. 1439.

BLDG.
(1441) S MISSION 80 E 7th E 25xS 85. All work for a 2-story & basement reinforced concrete Class C bldg.
Owner—Louis R. Lurie, Mills Bldg.
Architect — O'Brien Bros., Inc., 240 Montgomery St.
Contractor—Vukicevich & Bagge, 180 Jessie St.
Filed June 30, 1921; dated June 28, 1921.
1st of each month..... 75%
Usual 35 days 25%
TOTAL COST, $13,262
Bond, $6631. Sureties, J. H. McCallum & H. W. Gaetjen. Forfeit, none. Limit, 120 days. Plans and specifications filed

RECORDED

PAVEMENT
(1442) ON W SIXTH ST. 80 N Berry extending 400 W toward 7th St. All work for asphaltic concrete pavement for driveway between railroad tracks.
Owner—Southern Pacific Company.
Architect—None.
Contractor— Fay Improvement Co., Phelan Bldg., San Francisco.
Filed June 30, '21. Dated June 7, '21.
At close of each month 75%
Usual 35 day 25%
TOTAL COST, 24.98c per sq. ft.
Bond, $2100. Surety, Hartford Accident & Indemnity Co. Limit, 30 days. Forfeit, none. Ulans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

June 27, 1921—S TWENTY-FIFTH 240 E Douglass E 20xS 114; S 25th 26 E Douglass E 20xS 114. Oscar W Lind to whom it may concern... .....June 27, 1921
June 25, 1921—W NINTH AVE 400 S Cabrillo 25x120. Tony Damico to F C Amaroso.....June 23, 1921
June 24, 1921—LOT 13 BLK 11, Forest Hill. R P Phillips to whom it may concern.....June 24, 1921
June 24, 1921—NW SEVENTH AND Townsend 275x275. R Rosenberg & Sons Co to Arthur Elvin. June 23, 1921

LIENS FILED

SAN FRANCISCO COUNTY

June 27, 1921—W TWENTY-SIXTH Ave 118 N Clement N 25 W 120 N 82 W 65-7½ SE 110-2¼ E 174-7. Eureka Sash, Door & Moulding Mills vs David Lucid and Louis Lee $504.75
June 24, 1921—NE WALLER AND Pierce N 25xE 106-3. MacDonald Lumber Co vs Celestene Cassinelli and McCauley & Boquist.....$65.46

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2166	Haffer	McCatherin	500
2167	Fagan	Hollenbeck	3500
2168	Burns	Owner	2000
2169	Baker	Owner	4900
2170	White	Yerrick	850
2171	Davis	Owner	800
2172	Marvel	Owner	12000
2173	Nash	Kopf	3280
2174	Fountain	Moore	3500
2175	Daneri	Owner	1000
2176	Service	Ehrhart	950
2177	Jesus	Barberri	1000
2178	Legus	Owner	3900
2179	Mattison	Mattison	2800
2180	Frazer	Corbett	5000
2181	Wickman	Henderson	400
2182	Pavert	Owner	4000
2183	MacGregor	Owner	21000
2184	Swezy	Mason	3500
2185	Bradley	Mason	400
2186	Young	Owner	600
2187	Port	Sommer	15000
2188	Nielson	Owner	2800
2189	Voight	Robins	5650
2190	Stone	Owner	1200
2191	Wiener	Owner	18000
2192	Cranciarulo	Wiser	4500
2193	Breen	Porter	2500
2194	Fletcher	Thaxter	[illegible]
2195	Herripsen	Owner	2000
2196	Whittlesey	[illegible]	5000
2197	Farrell	[illegible]	500
2198	Corvelli	[illegible]	1000
2199	Foss	Brazier	2500
2200	Richardson	Owner	2000
2201	Coffoge	Thaxter	6000
2202	City	Sommer	77061
2203	Lewis	Owner	1000
2204	De Monte	Bishop	1000
2205	Bagley	Owner	1000
2206	Chippolato	Petersen	4[illegible]
2207	Same	Same	1500
2208	Whiteside	Owner	2000
2209	Saragoza	Harris	75[illegible]
2210	Wilson	Owner	500
2211	Parker	Owner	3500
2212	Werner	Owner	2000
2213	Barker	Butterfield	10000
2214	Werner	Owner	[illegible]

2215	Butting	Holland	2500
2216	Werner	Owner	2000
2217	Woodman	Valladon	425
2218	Distefano	Perona	2000
2219	S. F. O. T.	Owner	2125
2220	Greeley	Thompson	493
2221	Hendrickson	Owner	3500
2222	Scott	Owner	2500
2223	Blabon	Owner	1500
2224	Schornig	Owner	2500
2225	Enterprise	Williams	5200
2226	Allen	Hollenbeck	6000
2227	Nelson	Nelson	3500
2228	Okd. Hspll.	Diggs	650000
2229	Lewis	Whalin	9000
2230	Bercovich	Calif	1470
2231	Morehead	David	1400
2232	Wettensen	Lears	1200
2233	Noble	Owner	4000
2234	Hendy	Bullock	3000
2235	Laroni	Pond	16000
2236	Cofer	Owner	500
2237	Olsen	Strang	3500
2238	Sofer	Sofer	800
2239	Grassi	Prunetti	1500
2240	Presley	Morgensen	1000
2241	Bayard	Bishop	1000
2242	Grey	Owner	5500
2243	Claussenius	McIntosh	7700
2244	McClure	Frostholm	2000
2245	Wiener	McIntosh	9200
2246	Same	Roberts	1118
2247	Same	Fearey	3600

PERMITS

GARAGE
(2166) 1402 ADDISON, Bkly. Garage.
Owner—A. Haffer, 1404 Addison, Bkly.
Architect—None.
Contractor—McCatherin $500

DWELLING
(2167) 1066 MARIPOSA, Bkly. One-story 4-room dwelling.
Owner—Viola Fagan.
Archt. & Contractor—G. B. Hollenbeck, 3084 Richmond Blvd., Oakland. $3500

GARAGE
1816 UNIVERSITY AVE., Bkly. One-story 1-room Class C garage 50x138.
Owner—Edna Curtis Cooper.
Architect—None.
Contractor — Roy O. Long Co., 2114 Shattuck, Bkly. $13,000
NOTE—Recorded contract reported June 24, 1921. No. 2165.

DWELLING.
(2168) S BANCROFT AVE 51 E 107th Ave., Oakland. One-story 4-room dwelling.
Owners—Mr. & Mrs. W. P. Burns, Bancroft Ave.
Architect—None.
Days work. $2000

DWELLING.
(2169) SW COR. COTTAGE ST. AND WALKER AVE. One-story 6-room dwelling.
Owner—W. J. Baker, 2255 Ransom Ave.
Architect—None.
Days work. $4900

STORE.
(2170) SE CROSBY AND FOOTHILL BLVD. One-story store.
Owner—White House Groceteria, 470 9th St.
Architect—None.
Contractor—A. Yerrick, 5255 College Ave. $850

ADDITION.
(2171) NO. 2439 DAMUTH ST., Oakland. One-story addition.
Owner—D. E. Davis.
Architect—None.
Days work. $800

DWELLING.
(2172) SE COR. EXCELSIOR & WESLEY AVE., Oakland. One-story 6-room concrete dwelling and 2-story garage.
Owner—Marvel Concrete Home Building Co., 1794 Page St., San Francisco.
Architect—None.
Days work. $12,000

DWELLING.
(2173) E FAIRFAX AVE 320 N YGNACIO, Oakland. One-story 5-room dwellings.
Owner—Jay B. Nash, 1506 Hampel.
Architect—None.
Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland. $3280

DWELLING.
(2174) S MANDANA BLVD 600 W MANDANA PATH, Oakland. One-story 5-room dwelling.
Owner—W. M. Fountain, 703 Mandana Blvd., Oakland.
Architect—None.
Contractor—G. H. Moore, 703 Mandana Blvd., Oakland. $3500

DWELLING.
(2175) W RAYMOND 1125 FAIRVIEW, Oakland. One-story 4-room dwelling.
Owner—Mrs. Mae Daneri, 6434 Raymond St., Oakland.
Architect—None.
Days work. $1000

SERVICE STATION
(2176) WEST LINE OF ALICE ST. 1058 ft. N from point intersection northern line of 13th St. th northerly line of Alice St. Lot 16 & 17 Alice Park property, Oakland. Service station.
Owner—The Service Garage Co.
Architect—None.
Contractor—R. Ehrhart Co.
Filed June 23, 1921; dated June 18, 1921. TOTAL COST, $950
Bond, forfeit, limit, plans and specifications, none.

DWELLING
(2177) W HALE AVE 700 S Edes Ave., Oakland. One-story 4-room dwelling.
Owner—Vincent Jesus, 451 Hale Ave., Oakland.
Architect—None.
Contractor—Joe Barberri, San Leandro. $1000

DWELLING
(2178) S HAMPEL 90 E Randolph Ave. Oakland. One-story 5-room dwelling
Owner—L. H. Legus, 2922 Fruitvale Ave., Oakland.
Architect—None.
Day's work. $3900

DWELLING
(2179) W LAGUNA AVE 80 S Damuth Oakland. One-story 4-room dwelling.
Owner—W. H. Mattison, 3328 Maple Ave., Oakland.
Architect—None.
Contractor—E. T. Mattison, 2434 Damuth St., Oakland. $2800

DWELLING
(2180) W RANDOLPH AVE 83 S Benton, Oakland. One-story 6-room dwelling.
Owner—Mr. and Mrs. Gordon Frazer, 3717 Ardley St., Oakland.
Architect—None.

(Continued on Next Page)

NEW ROAD MATERIAL

Contrary to past practice, composition road surfaces are being put down by the French highway authorities in the Rhone Valley. At Givors a test is being made of two miles of an Italian composition. This has a cement basis, and is guaranteed for fifteen years. The road authorities have expressed their willingness to experiment with competitive types of road material. Of 33,000 miles of roads that required repairs at the time of the armistice, 13,620 miles have been greatly improved, and 2,200 miles have been completely repaired. — Compressed Air Magazine.

BUILDING TRADES LABOR AND BUILDING MATERIAL PRICES

The Southern Pine Association recently sent out a questionnaire to 150 building material dealers in the largest cities and most thickly populated communities of the country. Some of the results of the inquiry as given out by the Association under date of May 31 follow: A preliminary summary of the first 80 replies shows there is an ample supply of building trades labor. Only 2 cities out of 80 report a shortage; 67 have sufficient labor to carry out their building programs, and 11 report unemployment in this class of labor. There had been reductions in wages in only about half of the cities heard from. The average reduction in wages of carpenters and bricklayers in those cities which have reported decreases is from 15 to 20 per cent. Wages of common labor have been reduced more; 26 cities reporting reductions ranging from 25 to 55 per cent. Nearly all report a marked increase in the efficiency. Light is thrown on the subject of reductions in the retail price of staple building materials, as compared with a year ago.

	Per cent.
43 cities report average reduction on all items of	35
37 cities report average reduction on lumber of	47
12 cities report average ruduction on brick of	29
19 cities report average reduction on all items, excluding lumber	19

REFERENDUM ON BRIDGE AT GRIMES UPHELD BY U. S. WEBB

The action of the Board of Supervisors of Sutter County in entering into an agreement with Colusa County for the construction of the Grimes bridge across the Sacramento River, which would connect Sutter and Colusa Counties, is subject to referendum, even though the counties propose to construct the bridge jointly.

This is according to an opinion by Attorney General U. S. Webb to District Attorney Arthur Coats of Sutter County, who asked Webb's advice in the matter after two referendum petitions had been filed in his office. The petitions were directed against the resolutions adopted at a joint meeting of the Sutter and Colusa County Boards of Supervisors on May 4, 1921.

Webb also declared in his opinion that the referendum petitions were filed within the time required by law. In reply to a question put by Coats, Webb expresses the belief that if the Sutter Board of Supervisors should repeal the resolution of May 4th, there is nothing in the law to prevent the Supervisors in the future from again taking action for the joint construction of the bridge.

RECLAMATION WORK TOPIC AT SALT LAKE MEETING

Governor D. W. Davis of Idaho, President of the Western States Reclamation Association, following a conference with William Spry, United States Land Commissioner, and E. C. Finney, First Assistant Secretary of the Interior, announces a meeting of the association will be held in Salt Lake City July 18, to discuss problems affecting land reclamation and to map out a program for development work. The States affected are Washington, Oregon, Idaho, Montana, Wyoming, Nebraska, Colorado, Arizona, New Mexico, Texas, California, Nevada and Utah, all of which are expected to send delegates to the meeting.

Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. $5000

ADDITION
(2181) NO. 1034 CHANNING WAY, Berkeley. Addition.
Owner—T. I. Wickman, Premises.
Architect—None.
Contractor—Henderson. $400

DWELLING
(2182) NO. 1114 COLUSA, Berkeley. One-story 6-room dwelling.
Owner—R. J. Pavert, 1st National Bank Bldg., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(2183) HOPKINS AND PERALTA, Berkeley. Seven one-story 5-room dwelling.
Owner—Chas. McGregor, 470 13th St., Oakland.
Architect—None.
Day's work. $3000 each

DWELLING
(2184) NO. 1004 OXFORD, Berkeley. One and one-half-story six-room dwelling.
Owner—Miss Olive Swezy, Premises.
Architect—None.
Contractor—Mason, McDuffie Co., Shattuck Ave. and Addison, Bkliy. $3500

ALTERATIONS
(2185) NO. 24 PANORAMIC WAY, Berkeley. Alterations.
Owner—Mrs. Bradley, Premises.
Architect—None.
Contractor—Mason, McDuffie Co., Shattuck Ave. and Addison St., Berkeley. $400

REPAIRS
(2186) 2401 ADELINE ST., Oakland. Repairs.
Owner—Battis Young.
Architect—None.
Day's Work. $600

ADDITION
(2187) BOND & 47th AVE., Oakland. Brick addition.
Owner—Albert Port, Jr.
Architect—None.
Contractor — J. M. Sommer Co., 401 Balboa Bldg., S. F. $15,000

DWELLING
(2188) N DAMUTH ST. 580 E Lincoln Ave., Oakland. One-story 5-room dwelling.
Owner—Anton M. Nielson.
Architect—None.
Day's Work. $2800

ADDITION
(2189) NW MATHER ST. & Piedmont, Oakland. Addition.
Owner—H. Voight, 166 John St., Okd.
Architect — Fred Voorhies, 1829 West St., Oakland.
Contractor—R. L. Robins, 5117 Bdwy., Oakland. $5650

ALTERATIONS
(2190) 2836 SUMMIT ST., Oakland. Alterations and repairs.
Owner—L. S. Stone.
Architect—None.
Day's Work. $1200

ALTERATIONS
(2191) 1819 SEVENTH AVE., Okd. Alterations & addition of resident apt. & erect 1-story tile garage.
Owner—Louis Wiener, 12th & Clay St., Oakland.
Architect—Sidney B. & Noble Newsom, Nevada Bank Bldg., S. F.
Day's Work. $18,000

DWELLING
(2192) LOT No. 9 Map entitled A. J. Snyder's Piedmont Terrace by the Lake, Oakland. One-story 6-room dwelling cottage.
Owner—Sarah Cianciarulo, 733 9th St., Oakland.
Architect—None.
Contractor—Gordon Wiser.
Filed June 27, 1921; dated —
Frame up $1125
Rough plaster & cement on.... 1125
Completed 1125
Usual 35 days 1125
TOTAL COST, $4500
Bond, forfeit, limit, plans and specifications, none.

ALTERATIONS
(2193) 1531 ARCH, Berkeley. Alterations and additions to one and one-half-story 8-room dwelling.
Owner—C. R. Breen, Premises.
Architect—None.
Contractor—H. H. Porter, 2616 Cedar St., Berkeley. $2500

DWELLING
(2194) N DELAWARE 200 W California, Berkeley. One-story 5-room dwelling.
Owner—Elliot Fletcher, 1615 Delaware St., Berkeley.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $3350

DWELLING
(2195) 2445 EDWARDS, Berkeley. One-story 5-room dwelling.
Owner—Anna Herripsen, 2418 9th St., Berkeley.
Architect—None.
Day's work. $2000

DWELLING
(2196) W EUCLID 300 N Hawthorne Terrace, Berkeley. One-story 10-room dwelling.
Owner—H. C. Whittlesy, 1550 La Loma Ave., Berkeley.
Architect—None.
Day's work. $5000

ADDITION
(2197) 1838 HEARST AVE., Berkeley. Addition of two rooms.
Owner—Mrs. J. Farrell, Premises.
Architect—None.
Contractor—J. J. Anderson, 1911 Berkeley Way, Berkeley. $500

ALTERATIONS
(2198) NO. 3215 IDAHO, Berkeley. Alterations.
Owner—J. Corvalli, Premises.
Architect—None.
Contractor—P. Benassini, 5262 Miles St., Berkeley. $1000

DWELLING
(2199) E ROOSEVELT 60 N Alston Way, Berkeley. One-story 5-room dwelling.
Owner—M. Foss.
Architect—None.
Contractor—J. W. Brazier, 1251 Channing Way, Berkeley. $2500

ADDITION
(2200) 1260 WARRING, Berkeley. Add two porches and alterations.
Owner—W. A. Richardson, Premises.
Architect—None.
Day's work. $2000

DWELLINGS
(2201) 2201 AND 2205 WOOLSEY, Berkeley. Two one-story 4-room dwellings and garages.
Owner—Mary S. Cottage, 3008 Dana St., Berkeley.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $3000 each

SCHOOL
(2202) SE DANA AND ALCATRAZ Ave., Oakland. Two-story school
Owner—City of Oakland.
Architect—None.
Contractor—J. M. Sommer Co. Balboa Bldg., San Francisco. $77,061

DWELLING
(2203) N E-FOURTEENTH 30 E 101st Ave., Oakland. One-story 4-room dwelling.
Owner—G. T. Lewis, 1015½ 85th Ave., Oakland.
Architect—None.
Day's work $1000

REPAIRS
(2204) NE E-FOURTEENTH AND 12th Ave., Oakland. Fire repairs
Owner—Mrs. C. L. De Mont, 1423 12th Ave., Oakland.
Architect—None.
Contractor—J. B. Bishop, 811 Adams Way, Albany. $1000

REPAIR SHOP
(2205) W NINETEENTH AVE 500 S S. P. R. R., Oakland One-story boat repair shop
Owner—Bagley & Co., 901 19th Ave., Oakland.
Architect—None.
Day's work. $1000

ALTERATIONS
(2206) W THIRTY-EIGHTH AVE 50 N Allendale Ave., Oakland. Alterations and additions.
Owner—P. Chippolato.
Architect—None.
Contractor—J. B. Petersen, 3053 38th Ave., Oakland. $475

ADDITION
(2207) NW THIRTY-EIGHTH AND Allendale Ave., Oakland. One-story addition.
Owner—P. Chippolato.
Architect—None.
Contractor—J. B. Petersen, 3053 38th Ave., Oakland. $1500

DWELLING
(2208) E SEVENTY-SEVENTH AVE 462 N E-14th, Oakland. One-story 5-room dwelling.
Owner—Henry Whiteside, 103 Broadway, Oakland.
Architect—None.
Day's work. $2000

ALTERATIONS
(2209) 3799 THIRTY-NINTH AVE., Oakland. Alterations.
Owner—Mrs. Florence Saragoza, Prem.
Architect—None.
Contractor—F. Harris, 4220 Kanning St., Oakland. $750

ALTERATIONS
(2210) NO. 248 WALSWORTH AVE., Oakland. Alterations.
Owner—J. W. Wilson.
Architect—None.
Day's work. $500

DWELLING
(2211) 1551 BEVERLEY PLACE, Berkeley. One-story 5-room dwelling.
Owner—Brooks C. Parker, 1560 Beverley Place, Berkeley.
Architect—None.
Day's work. $3500

DWELLING
(2212) 1205 DELAWARE ST., Berkeley One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. $2000

GARAGE
(2213) 2030 TO 2036 HASTE, Berkeley Concrete garage.
Owner—Barker Estate, Dwight Way, Berkeley.
Architect—None.
Contractor—T. P. Butterfield, El Cerito, Calif. $10,000

DWELLING
(2214) 2731 PARK ST., Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.

Architect—None.
Day's work. $2000

DWELLING
(2215) 2424 McGEE ST., Berkeley. One story 4-room dwelling.
Owner—H. E. Butting, Premises.
Architect—None.
Contractor—J. W. Holland, 758 56th St., Oakland. $2500

DWELLING
(2216) N SAN LORENZO 80 W Ensinada. Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. $2000

REPAIRS
(2217) 1796 EIGHTH, Oakland. Repairs.
Owner—Mrs. F. Woodman.
Architect—None.
Contractor—F. Valladon, 394 8th St., Oakland. $425

ALTERATIONS
(2218) 423 ELEVENTH ST., Oakland. Alterations.
Owner—C. Distefano.
Architect—None.
Contractor—John Perona, 570 7th St., Oakland. $2000

WAREHOUSE
(2219) E HOLLIS 200 S Yerba Buena Ave., Oakland. One-story warehouse.
Owner—S. F. O. T. Railway.
Architect—None.
Day's work. $2165

REPAIRS
(2220) 704 KENNEDY ST., Oakland. Fire repairs.
Owner—M. Greeley, 3436 Telegraph Ave., Oakland.
Architect—None.
Contractor—E. S. Thompson & Son, 3656 Broadway, Oakland. $493

DWELLING
(2221) S McKINLEY AVE 100 E Capell, Oakland. One and one-half-story 6-room dwelling.
Owner—Mrs. A. Hendrickson, 2036 7th Ave., Oakland.
Architect—None.
Contractor—A. Hendrickson. $3500

DWELLING
(2222) W MORCOM AVE 75 N Keyes Ave., Oakland. One-story 4-room dwelling.
Owner—W. J. Scott, 5350 Fleming Ave., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(2223) W SIXTY-THIRD AVE 40 S Fortune Way, Oakland. One-story 4-room dwelling.
Owner—E. R. Blabon, 2187 63rd Ave., Oakland.
Architect—None.
Day's work. $1500

DWELLING
(2224) S THOMPSON 120 E 45th Ave., Oakland. One-story 5-room dwlg.
Owner—A. Schornig, 4504 Thompson St., Oakland.
Architect—None.
Day's work. $2500

GARAGE
(2225) S TWENTY-FIFTH 156 E Telegraph Ave., Oakland. One-story brick garage.
Owner—Enterprise Hall Assn., Monadnock Bldg., San Francisco.
Architect—E. Geoffrey Bangs, 1st Nat'l. Bank Bldg., Oakland.
Contractor—Harry B. Williams, 614 Bank of Italy Bldg., Oakland. $5200

DWELLING
(2226) E VERNON 512 N Perkins St., Oakland. Two-story 6-room dwlg.
Owner—Emily D. Allen.
Architect—None.
Contractor—G. B. Hollenbeck, 3064 Richmond Blvd., Okd. $6000

DWELLING
(2227) E VAN DYKE 312 S Brooklyn Ave., Oakland. One-story 6-room dwelling.
Owner—Oscar Nelson, 228 Wayne Ave., Oakland.
Architect—None.
Day's work. $3500

HOSPITAL
(2228) NW WEBSTER & Orchard St., Oakland. Seven-story reinforced concrete hospital bldg.
Owner—Oakland Hospital Assn., 31st & Telegraph Ave., Oakland.
Archt. & Contractor — M. I. Diggs, Easton Bldg., Oakland. $650,000

DWELLING
W GRAND AVE. 300 E Elwood, Okd One-story 6-room dwelling.
Owner—Sarah Cinciamto, Oakland.
Architect—None.
Contractor—Gordon Wiser, Berkeley. $4500
NOTE—Recorded contract reported June 28, 1921. No. 2192.

ALTERATIONS
NW FOURTEENTH & Franklin, Okd. Alterations.
Owner—B. Bercovich.
Architect—F. D. Voorhies, 1829 West St., Oakland.
Contractor—S. Kulchar Co., E 10th & 8th Ave., Okd. $11,650
NOTE—Recorded contract reported June 16, 1921. No. 2055.

DWELLING
(2229) LOT 22 BLK K situated on S Lakeshore Ave. near Walla Vista Ave., Oakland. One-story frame dwelling.
Owner—Ventura Lewis & Mary Lewis.
Architect—Wm. Wilkinson, First Savings Bank Bldg., Oakland.
Contractor—Wm. E. Whalen, 323 Lester Ave., Oakland.
Filed June 28, 1921; dated Apr. 26, 1921.
Frame up & roof on.....$2250
First coat plaster 2250
Completed 2250
Usual 35 days 2250
TOTAL COST, $9000
Bond, none. Forfeit, none. Limit, 90 days. Plans and specifications filed.
NOTE—Permit reported May 10, 1921. No. 1631.

ALTERATIONS
(2230) NW FOURTEENTH AND Franklin N 100xW 19, Oakland. Steel work for alterations to building.
Owner—B. and H. Bercovich.
Architect—F. D. Voorhees, 1829 West St., Oakland.
Contractor—California Steel Co., Inc., Hobart Bldg., San Francisco.
Filed June 28, '21. Dated May 6, '21.
TOTAL COST, $1470
Bond, limit, forfeit, none. Plans and specifications filed.

ALTERATIONS
(2231) 1342 EIGHTH ST., Alameda. Alterations.
Owner—F. Morehead.
Architect—None.
Contractor—W. C. David. $1400

ALTERATIONS
(2232) NO. 1911 EVERETT ST., Alameda. Alterations.
Owner—E. Wettensen.
Architect—None.
Contractor—J. Lears. $1200

DWELLING
(2233) 1121 PEARL ST., Alameda. One story 6-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $4000

DWELLING
(2234) 2130 SPAULDING ST., Berkeley One-story 5-room dwelling.
Owner—Geo. Hendy, 34th and Grove Sts., Oakland.
Architect—None.
Contractor—O. M. Bullock, 518 18th St., Berkeley. $3000

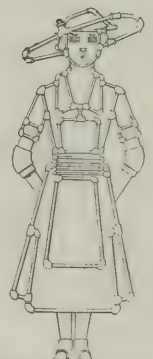
DWELLINGS
(2235) 3272-78-82-86-92 STERLING Ave., Alameda. Five one-story 5-room dwellings.
Owner—L. Laroni.
Architect—None.
Contractor—C. P. Pond, 3011 Encinal Ave., Alameda. $3200 each

SHED
(2236) BROADWAY TERRACE Lot 21, Oakland. One-story shed.
Owner—J. E. Cofer, Hotel Sutter.
Architect—None.
Day's Work. $500

DWELLING
(2237) S GREENWOOD 200 W Brighton Ave., Oakland. One-story 5-room dwelling.
Owner—Edw. Olsen.
Architect—None.
Contractor—Fred Strang, 1405 Central Ave., Alameda. $3500

DWELLING
(2238) LEONA HEIGHT ADDITION, Oakland. 1-story 4-room dwelling
Owner—F. D. Sofer & R. A. Wright, 3645 West St., Oakland.
Architect—None.
Contractor—F. D. Sofer. $800

DWELLING
(2239) N PLYMOUTH ST. 200 E 94th Ave., Oakland. One-story 4-room dwelling.
Owner—John Grassi, 9420 Plymouth, Oakland.
Architect—None.
Contractor — E. Prunetti, 1604 94th Ave., Okd. $1500



GUARANTEED TESTED
Used Pipe and Screw
Casing — Valves — Fittings
PACIFIC PIPE COMPANY
231 Howard St., San Francisco

REPAIRS
(2240) 664 SIXTY-FIRST, Oakland. Fire repairs.
Owner—Mrs. R. E. Presley.
Architect—None.
Contractor—Morgensen Bros., 602 42nd St., Okd $1000

ALTERATIONS
(2241) 3916 SUTER ST., Oakland. Alterations.
Owner — Mrs. K. Bayard, 308 Florida St., Vallejo.
Architect—None.
Contractor — N. L. Bishop, 1821 90th Ave., Oakland. $1000

DWELLING
(2242) NE COR. THIRTY-NINTH & Carrington Ave., Oakland. One-story 6-room dwelling.
Owner—W. Grey, 3710 E-14th St., Okd.
Architect—None.
Day's Work. $5500

APARTMENTS
(2243) E UNION ST. & N Alameda Ave. E 73 N 100 th W 73 th S 100 to beg., Alameda. Carpentry work, etc., for three 1-story frame and plaster apt. bldgs.
Owner—Max Claussenius.
Architect—Sidney B. & Noble Newsom, Nevada Bank Bldg., S. F.
Contractor—Wm. & D. McIntosh, 180 Jessie St., S. F.
Filed June 29, 1921; dated June 24, 1921.
Frame up $1925
Brown coated 1925
Completed 1925
Usual 35 days 1925
TOTAL COST, $7700
Bond, $3851. Sureties, Atlas Elec. Co. & Frank Dawson. Forfeit, $5 day. Limit, 70 days. Plans and specifications filed.
NOTE—Permit also applied for today.

ADDITION
(2244) 598 E-TWENTIETH ST., Oakland. Addition to frame dwelling.
Owner—Mrs. Donald McClure, Prem.
Architect—None.
Contractor—H. M. Frostholm, 5867 Ocean View Drive, Oakland.
Filed June 30, '21. Dated June 22, '21.
Frame up $700
Plaster completed 700
Work completed .....Balance
TOTAL COST, $2000
Bond, none. Limit, about 6 weeks. Forfeit, none. Plans and specifications filed.

RECORDED

ALTERATIONS
(2245) 1819 SEVENTH AVE., Oakland. Alter residence into apartments.
Owner—Louis Wiener.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Contractor—Wm. McIntosh and D. McIntosh (as McIntosh Bros.), 180 Jessie St., San Francisco.
Filed June 29, '21. Dated June 23, '21. Rough frame up on main building and garage.....$2300
Roof on 2300
Work completed 2300
Usual 35 days..... 2300
TOTAL COST, $9200
Bond, $4601. Surety, Atlas Electric Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(2246) ELECTRIC WORK ON ABOVE
Contractor—Roberts Mfg. Co., 663 Mission St., San Francisco.
Filed June 29, '21. Dated June 23, '21. All rough work in.....$400
Work completed 400
Usual 35 days..... 318
TOTAL COST, $1118
Bond limit, forfeit, none. Plans and specifications filed.
(2247) PLUMBING ON ABOVE.
Contractor—Al. M. Fearey, 4377 Adeline St., Emeryville.
Filed June 29, '21. Dated June 23, '21. Roughed in and passed $1800
Work completed $00
Usual 35 days..... 900
TOTAL COST, $3600
Bond, $1800. Sureties, Owen Overman and J. W. Hottes. Limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY.

Recorded Accepted

June 24, 1921—LOTS 38 AND 39 BLK 7 Map 7 of Regents Park, Oakland. Rina Callen to H Hendrickson..... .....June 23, 1921
June 24, 1921—LOTS 16 AND 17, Map Theodore Gier Tract, Oakland. Theodore Gier to F C Stolte..... .....June 23, 1921
June 24, 1921—LOT 15, Theodore Gier Tract, Oakland. Theodore Gier to F C Stolte.....June 23, 1921
June 24, 1921—LOT 14 Theodore Gier Tract, Oakland. Theodore Gier to F C Stolte.....June 24, 1921
June 24, 1921—LOT 13, Theodore Gier Tract, Oakland. Theodore Gier to F C Stolte.....June 24, 1921
June 24, 1921—LOT 12, Theodore Gier Tract, Oakland. Theodore Gier to F C Stolte.....June 24, 1921
June 24, 1921—THIRTY-FIRST AVE and E-13th St., Derby Estate, Oakland. Alfred Kennerley to J B Petersen.....June 20, 1921
June 24, 1921—KENNEDY ST. Crossing, Oakland. Southern Pacific Co to Hutchinson Co.....June 17, 1921
June 22, 1921—EMERYVILLE. S. P. R. R. Co. to Hutchinson Company .....June 18, 1921
June 22, 1921—S MERA ST. bet. Rosedale Ave. & 40th Ave., Oakland. Wm. & Bertha Roller..June 21, 1921
June 22, 1921—W HEARN ST. 380 ft. S Chabot Rd or Vernon or 59th St. S 45.5 ft. SW on arc to r with 35 ft. rad 14.36 ft. th S 63 deg. 30 min. W 105.3 th N 31 deg. 35 min. 57.72 ft. E 63 deg. 30 min. 118.31 ft. to beg., Oakland. Warren P. Staniford & Neil H. Staniford to whom it may concern .....June 21, 1921

HOMESTEADS

ALAMEDA COUNTY

June 24, 1921—LOT 11 BLK H, Sheridan Tract, Oakland. Luisa Alperna (wf Battista).....$5000

BUILDING CONTRACTS

SACRAMENTO COUNTY

SERVICE STATION
NE FIFTEENTH & P ST., Sacramento. Gasoline & oil station.
Owner—R. M. Scanding & M. F. Roach
Architect—None.
Contractor—Herndon & Finnigan, 1814 17th St., Sacramento. $——
Filed June 22; dated June 22, 1921.

DWELLING
2326 SECOND AVE., Sacramento. One-story 5-room frame dwelling.
Owner—G. C. Youngman, 2720 24th St., Sacramento
Architect—None.
Day's work. $3000

ADDITION
3220 FORTY-SECOND ST., Sacramento. One-story frame addition to dwelling (3 rooms).
Owner—Miss Dora Willi, 4111 Eighth Ave.
Architect—None.
Contractor—H. E. Rico, 1314 H St., Sacramento. $1750

DWELLING
619 THIRTY-EIGHTH ST., Sacramento One-story 5-room frame dwelling
Owner—A. Bonini, 1817 6th St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 I St., Sacramento. $3625

DWELLING
3216 FOURTH AVE., Sacramento. One-story 4-room frame dwelling.
Owner—F. W. Golding, 2949 Franklin Blvd., Sacramento.
Architect—None.
Day's work. $1200

DWELLING
2675 CURTIS OAKS, Sacramento. Two-story 6-room frame & brick veneer dwelling.
Owner—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $8800

DWELLING
2766 CURTIS WAY, Sacramento. Two-story 8-room frame dwelling.
Owner—Geo. Cutter, 3200 Franklin Blvd., Sacramento.
Architect—None.
Contractor—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento. $10,000

2670 CURTIS WAY, Sacramento. Two-story 6-room frame and brick veneer dwelling.
Owner—South Curtis Oaks Co., 1755 Stockton Blvd., Stockton.
Architect—None.
Day's work. $5500

DWELLING
2650 CURTIS WAY, Sacramento. Two-story 6-room frame & stucco dwelling.
Owner—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $5000

DWELLING
2466 CURTIS WAY, Sacramento. Two-story 6-room frame & stucco dwelling.
Owner—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $5500

DWELLING
2301 MARSHALL WAY, Sacramento. 1-story 5-room frame & stucco dwelling.
Owner—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $3500

DWELLING
4409 T ST., Sacramento. One-story 5-room frame dwelling.
Owner—Edward Pearce, 1700 16th St., Sacramento.
Architect—None.
Contractor—J. T. Ransdall, Jr., 1055 41st St., Sacramento. $5300

GARAGE
1915 ELEVENTH ST., Sacramento. Private frame garage.
Owner—A. Haleley, 1915 11th St., Sacramento.
Architect—None.
Contractor—E. E. Sydenstricker, 2218 H St., Sacramento. $465

DWELLING
2212 T ST., Sacramento. Seven-room frame and stucco dwelling.
Owner—Geo. S. Milliken, 4700 B St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, Premises. $5200

2314 EIGHTEENTH ST., Sacramento. Five-room frame dwelling.
Owner—Frank L. Terra, 417 4th St., Sacramento.
Architect—None.
Contractor—K. [illegible] $[illegible]

2321 K ST., Sacramento. Private garage.
Owner—John Harris, Premises.
Architect—None.
Contractor—Brier & Wilson, 813 J St., Sacramento. $900

DWELLING
2900 H ST., Sacramento. Five-room frame dwelling.
Owner—G. E. Harvie, 2212 T St., Sacramento.
Architect—None.
Day's work. $5000

DWELLING
4833 U ST., Sacramento. Three-room frame dwelling.
Owner—Annie F. Beere, 1848 48th Ave., Sacramento.
Architect—None.
Day's work $1500

DWELLING
4436 TWELFTH AVE., Sacramento. Three-room frame dwelling.
Owner—W. E. Trainor, 2916 O St., Sacramento.
Architect—None.
Day's work. $1500

ALTERATIONS
330 L ST., Sacramento. Remodel store front.
Owner—F. W. Beiwener, 1123 L St., Sacramento.
Architect—None.
Contractor—E. T. Thomas, 2021 24th St., Sacramento. $1475

STATION
1501 P ST., Sacramento. Frame service station.
Owner—R. M. Scandling & M. F. Roach.
Architect—None.
Contractor—Herndon & Finnegan, 1814 17th St., Sacramento. $1500

ALTERATIONS
1616 TWENTY-FOURTH ST., Sacramento. Raise building 3 feet and remodel interior.
Owner—Phil Mott, Premises.
Architect—None.
Contractor—C. J. Hopkins, 1318 25th St., Sacramento. $1800

ADDITION
3220 FORTY-SECOND ST., Sacramento. Frame addition to shed.
Owner—Mrs. W. G. Willi, Premises.
Architect—None.
Contractor—B. H. Bill. $400

DWELLING
306 TWENTY-SEVENTH ST., Sacramento. One-story frame dwelling.
Owner—W. H. Basler.
Architect—None.
Contractor—C. J. Hopkins, 1318 25th St., Sacramento. $2800

GARAGE
NO. 1119 THIRTIETH ST., Sacramento. Two-stall frame garage.
Owner—W. C. Pyle, 1012 9th St., Sacramento.
Architect—None.
Day's work. $900

FRAME FLATS
1920 TWENTY-FIFTH ST., Sacramento. Frame (2) flats.
Owner—Hattie M. Frazee, 2429 L St., Sacramento.
Architect—None.
Contractor—W. B. Ladue, 2319 O St., Sacramento. $6350

SLEEPING PORCH
2601 I ST., Sacramento. Install sleeping porch.
Owner—P. H. Fletcher, Premises.
Architect—None.
Contractor—W. B. Ladue, 2319 O St., Sacramento. $650

TANKS
2940 THIRTY-FIFTH ST., Sacramento. Install 2 290 gallon gas tanks.
Owner—Matthias Bros., 2929 X St., Sacramento.
Architect—None.
Day's work. $500

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
June 25, 1921—Prop. beg at intersection of E line of 33d St. if produced E with N line of New Helvetia cemetery if produced E and th S 70 deg 44 min E 182 ft, th N 19 deg 30 min E 52 ft, th N 70 deg 44 min W 187 ft, th S 19 deg 30 min W 52 ft, th S 70 deg 44 min E 5 ft to beg, Sacramento. Mervyn F Stone to whom it may concern.... .....June 10, 1921
June 25, 1921—N 84 FT. OF E 40 FT. Lot 4, F, G, 16th and 17th Sts., Sacramento. Mary Elizabeth Flock to whom it may concern..June 25, 1921

COMPLETION NOTICES

SAN MATEO COUNTY.

Recorded Accepted
Recorded Accepted
June 28, 1921—LOT 7 BLK 20, San Carlos. Mercantile Trust Co to Ben C Zimmerman...June 25, 1921
June 28, 1921—LOT 17 BLK 21, San Carlos. Mercantile Trust Co to Ben C Zimmerman.....June 25, 1921
June 28, 1921—LOT 25 BLK 2 Sub 4, Burlingame Park, Burlingame. C H Bassett to whom it may concern .....Burlingame 25, 1921
June 29, 1921—LOTS 1, 2 & 3 BLK 12, Milbrae Villa Tract, Milbrae. Harald C Taylor to whom it may concern.....June 25, 1921
June 24, 1921—LOT 19 BLK 2 Sub. A. Wellesey Park, Redwood City. A T Gherini and Elizabeth to Louis M Pollard.....June 23, 1921
June 18, 1921 LOT 6, Valparaiso Park New Menlo Park. Florence Moore to Thos F Rigney Gas Rigney Tile Co, June 9, 1921; M E Ryan, June 9, 1921; Grattan J English, June 9, 1921; Rigney Tile Co, June 9, 1921; Artistic Metal Works..... .....June 9, 1921
June 17, 1921—LOT 5 BLK 4, Central Addition to San Mateo. Hary and Elsie Magee to W T Croop and J E Ball.....June 10, 1921

BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW
LOT 13 BLK 36, Easton Addition to Burlingame No. 2, Burlingame. All work for 1-story frame bungalow.
Owner—Edith and George Woobertore, Burlingame.
Architect—None.
Contractor — W. O. Nicolaides, San Mateo.
Filed June 29, '21. Dated June 27, '21.
Frame completed $1000
Finished plastered 1000
Completed 1000
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, none. Limit, 60 days. Forfeit, $5. Plans and specifications filed.

HOSPITAL
LOTS 53, 54, 57, 58, 61 and 62, Laurel Creek Farm, Beresford. General construction of two-story and basement reinforced concrete hospital.
Owner—San Mateo County.
Architect—W. H. Toepke, 942 Market St., San Francisco.
Contractor — Barrett & Hilp, Sharon Bldg., San Francisco
Filed June 20, '21. Dated June 20, '21. On 1st of each month commencing
August 1, 1921..... 75%
Usual 35 days..... 25%
TOTAL COST, $175,974
Bond, $87,987. Surety, Fidelity & Deposit Co. of Maryland. Limit, 350 working days. Forfeit, $20. Plans and specifications filed.

PLUMBING, SEWERING AND GAS fitting on above.
Contractor—J. J. McLeod, 1246 Golden Gate Ave., San Francisco.
Filed June 20, '21. Dated June 20, '21.
Payments same as above.....
TOTAL COST, $22,900
Bond, $11,450. Surety, Fidelity & Deposit Co. of Maryland. Limit, 250 working days Forfeit, $20. Plans and specifications filed.

HEATING AND VENTILATING ON above
Contractor—J. F. McGowan, San Mateo.
Filed June 20, '21. Dated June 20, '21.
Payments same as above.....
TOTAL COST, $16,780
Bond, $8390. Surety, Fidelity & Deposit Co. of Maryland. Limit, none. Forfeit, $20 Plans and specifications filed.

ELECTRICAL WIRING, ETC., ON above.
Contractor—M. E. Ryan, Redwood City.
Filed June 20, '21. Dated June 20, '21.
Payments same as above.....
TOTAL COST, $10,500
Bond, $5250. Surety, Fidelity & Deposit Co. of Maryland. Limit, 300 days. Forfeit, $20. Plans and specifications filed.

DWELLING
NO. 3020 E ST., Sacramento. One-story 6-room frame dwelling and garage.
Owner—C. A. Morrill, 3516 G St., Sacramento.
Architect—None.
Day's work. $3500

ALTERATIONS
NO. 908 EIGHTH ST., Sacramento. Remodel front of brick store.
Owner—Wm. Schroth, 2515 M St., Sacramento.
Architect—None.
Contractor—C. Vanina, 2022 M St., Sacramento. $475

COTTAGES
LOT 4 BLK 9, High School Addition, Building No. 11; Lot 5 Blk 9, High School Addition, Bldg. No. 12; Lot 7 Blk 7, High School Addition, Bldg. No. 13; Lot 8 Blk 7, High School Addition, Bldg. No. 14; Lot 9 Blk 7, High School Addition, Bldg. No. 15, South San Francisco. All work for five one-story frame plastered exterior cottages.
Owner—South San Francisco Land & Improvement Co., South San Francisco.
Architect—None.
Contractor—R. C. Stickel, South San Francisco.
Filed June 22, '21. Dated June 20, '21.
Frames up each.....$706.25
Roof on each..... 706.25
Plaster finished each..... 706.25
Usual 35 days..... 706.25
TOTAL COST, $2825.00 each
Bond, $8000. Sureties, E. C. Peck and Fred Cunningham. Limit, 150 working days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

FRESNO COUNTY.

FILLING STATION
BLOCK H, Fresno. Filling station.
Lessee—O. L. Everts, 1096 N Van Ness, Fresno.
Architect—None.
Contractor—E. Riggins, 1525 O St., Fresno $1500

ADDITIONS
LOT 24, Voorman and Yosemite Ave., Fresno. Additions.
Owner—Danish Brotherhood.
Architect—None.
Day's work. $600

REPAIRS
460 D ST., Fresno. Repair dwelling.
Owner—Geo. Schmidt.
Architect—None.
Contractor—Chris Lehman. $500

DWELLING
345 YOSEMITE AVE., Fresno. Dwelling and garage.
Owner—Mrs. E. L. White, 1007 N Van Ness, Fresno.
Architect—None.
Day's work. $4500

DWELLING
471 POPLAR AVE., Fresno. Dwellling
Owner—A. H. Poladian
Architect—None.
Day's work. $2500

TAILOR SHOP
LOTS 12 AND 13 BLK 10, Dean Addition, Fresno. Tailor shop.
Owner—M. D. Muccio, Fresno.
Architect—None.
Day's work. $600

OIL WELL
NO. 275 IN SEC. 11, 19-15, Fresno. Oil well.
Owner—Pacific Oil Co., 1942 Mariposa St., Fresno.
Architect—None.
Contractor—Federal Drilling Co. $4.50 and $5.50 per ft.

STATION
41 BELMONT AVE., Fresno. Filling station.
Owner—Standard Oil Co., Butter and N Sts., Fresno.
Architect—None.
Day's work. $7000

REPAIRS
1045 VAN NESS AVE., Fresno. Repairs.
Owner—C. E. Striplin.
Architect—None.
Day's work. ..$500

DWELLING
LOTS 17 AND 18 BLK 4, Fresno Home Addition, Fresno. Dwelling and garage.
Owner—J. E. Cregor.
Architect—None.
Day's work. $5000

DWELLING
LOTS 29 AND 30 BLK 29 and Lots 21 and 22 Blk 26, Arlington Heights, Fresno. Dwelling and garage.
Owner—W. J. Palfrey.
Architect—None.
Day's work. $1300

REPAIRS
910 S ST., Fresno. Repairs.
Owner—J. Olender, Premises.
Architect—None.
Day's work. $1500

DWELLING
LOTS 3 AND 4 BLK 90, Fairmont, Fresno. Dwelling.
Owner—McMurtry & McCabe, 837 Broadway, Fresno.
Architect—None.
Day's work. $1000

DWELLING
LOTS 25 AND 26 BLK 2, Yosemite Addition, Fresno. Dwelling and garage.
Owner—W. H. Spencer, 395 San Pablo, Fresno.
Architect—None.
Contractor—A. M. Chitty, 1405 Del Mar, Fresno. $4500

SHOE SHOP
526 BRAODWAY, Fresno. Shoe shop.
Owner—Frank Warburton.
Architect—None.
Day's work. $500

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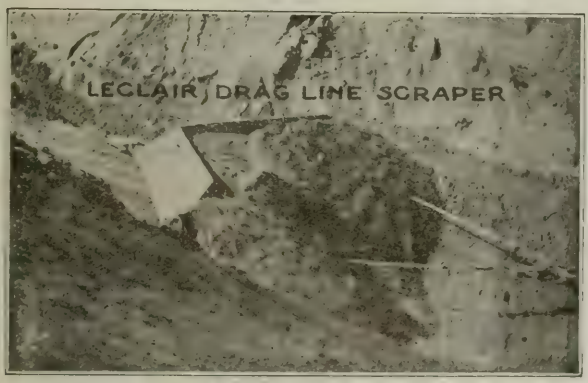

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LOT 7 BLK 40, Fresno. Ice cream parlor.
Owner—Mike Selehe.
Architect—None.
Day's work. $2500

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
June 25, 1921—LOTS 31 AND 32 BLK 1, Yale Addition, Fresno. G A Garrett to whom it may concern.....June 24, 1921
June 23, 1921—LOTS 27 TO 32 BLK 340, Fresno. Y W C A to whom it may concern.....June 23, 1921
June 23, 1921—S 36 FT. LOT 7 N 14 ft. Lot 8 Blk 4, Highland Park, Fresno. Guy H Shoun to whom it may concern.....June 23, 1921
June 21, 1921—LOTS 7 AND 8, Fullers Sub, Fresno. V E Fuller to whom it may concern.....June 21, 1921

LIENS FILED

FRESNO COUNTY.

Recorded Accepted
Recorded Amount
June 28, E ½ OF LOT 1, Napa Tract, Fresno. F R Tuttle vs J C and Sarah T Stoner.....$313
June 28, 1921—LOTS 17 TO 23 BLK 8, F H B Palm Villa Tract, Fresno. M E Summers, $732; S H Strange, $1442 vs Goe Norvian.....
June 27, 1921—NW ¼ OF SW ¼ OF Sec. 13 Tp. — Rge 20, Fresno. F H Smith vs David Kachadoorian...$13
June 23, 1921—LOTS 17 TO 20 BLK 101, Fresno. Valley Lumber Co., $2472; Fresno Planing Mill, $726 vs Asbarez Publishing Co.....

Notice of Non-Responsibility

FRESNO COUNTY.

June 29, 1921—LOTS 4 AND 5 BLK A, Terry Tract, Fresno. Edith W Copp as to improvements on property .....

BUILDING CONTRACTS

SANTA CLARA COUNTY

ALTERATIONS
162-190 W-SANTA CLARA ST., San Jose Alteratiors.
Owner—J. Atlas, Premises.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Day's work. $6000

ADDITION
AUZERAIS AND GREGORY STS., San Jose. Two-room addition.
Owner—M. Conte.
Architect—None.
Day's work. $——

COTTAGE
473 JEROME ST., San Jose. Four-room cottage.
Owner—Oscar Carlson, 31 Jerome St., San Jose.
Architect—L. I. Kelley, 810 Prevost St., San Jose.
Contractor—L. I. Kelley, 810 Prevost St., San Jose. $1975

COTTAGE
TWENTY-FIRST AND JULIAN STS., San Jose. Five-room cottage.
Owner—N. L. Hanner, 997 E-Julian St., San Jose.
Architect—None.
Day's work. $1500

BRICK OVEN
648 S-FIRST ST., San Jose. Brick oven
Lessees—Adam & Homer.
Architect—None.
Contractor—Woemer & Old. $3000

RESIDENCE
W THE ALAMEDA, bet. Emory and Naglee Sts., San Jose. All work for two-story frame residence.
Owner—R. H. Borchers, 555 E-Julian St., San Jose.
Architects—Binder & Curtis, 255½ S-First St., San Jose.
Contractor—Morrison Bros, Santa Clara
Filed June 4, '21. Dated June 3, '21.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $12,914
Bond, $6457. Sureties, J. C. Morrison and C. A. Morrison. Limit, 4 calander months from date of filing. Forfeit, none. Plans and specifications filed.

COTTAGE
LOT 11, Lynnhurst Tract, San Jose. All work for one-story frame cottage.

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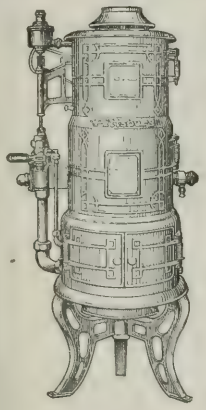
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Owner—Oscar F. Carlson, 475 Jerome St., San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—L. L. Kelley, 810 Prevost St., San Jose.
Filed June 25, '21. Dated June 18, '21.
Frame work in place.....$512.50
Exterior finish on and plastering completed 512.50
Completed and accepted..... 512.50
Completed and accepted..... 512.50
Usual 35 days..... 512.50
TOTAL COST, $2050.00
Bond, $1000. Sureties, J. A. Chase and S. H. Chase. Limit, forfeit, none. Plans and specifications filed.

COTTAGE
ALUM ROCK AVE., San Jose. All work for one-story frame cottage.
Owner—C. Fisher, 1127 S-10th St., San Jose.
Architect—None.
Contractor—B. Quimet, East and San Fernando Sts., San Jose.
Filed June 25, '21. Dated June 22, '21.
Frame up $915.25
Plastering on 916.25
Finished and accepted..... 916.25
Usual 35 days..... 916.25
TOTAL COST, $3665.00
Bond, $1832.50. Sureties, Christina Anderson & G. W. Fowler. Limit, 80 working days from June 22. Forfeit, none. Plans and specifications filed.

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
June 23, 1921—LOT 61, Walsh Residence Tract, San Jose. J E Miller vs Cyrus Baker.....$419.62

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
June 23, 1921—LOT 54, C. M. Wooster Subd of the Clark Ranch, Mayfield. John Dix, $128; Gray Shoring Lumber Co, $562.21 to U Gindoux.....

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
June 29, 1921—LOT 17 BLK 71, Naglee Park Tract, San Jose. E May Ent to D R Spooner.....June 28, 1921
June 28, 1921—N BUENA VISTA AVE, San Jose. R H Coates to H A Bridges.....June 25, 1921
June 27, 1921—NEAR LOS GATOS. Adelaide C Lefavour to James E Perkins.....June 25, 1921
June 23, 1921—LOTS 61 & 62, Orchard Park Sbdvn, San Jose. E B Stephenson to whom it may concern.....June 22, 1921
June 23, 1921—PTN LOT 1 BLK 25 of the Chapman & Davis Tract, San Jose. A Richmond Tower to whom it may concern.....June 22, 1921

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

BUILDING
LOTS 9 AND 11 less 24-6 on S side Blk 143 E of Center St., Stockton. Building.
Owner—Percy S. Webster, Stockton Savings & Loan Society Bk. Bldg., Stockton.
Architect—None.
Contractor—J. A. Allen, 111 Kensington Way, Stockton. $4019
Filed June 21, '21. Dated June 18, '21.

REPAIRS
630 NORTH EL DORADO ST., Stockton. Repair fire damage.
Owner—E. Allen, 830 N-Van Buren St., Stockton.
Architect—None.
Day's work $5000

RESIDENCE
ELIZABETH AVE., Stockton. Residence.
Owner—Wm. Isel, 1044 S-California St., Stockton.
Architect—None.
Day's work. $400

ALTERATIONS
17 E-MARKET ST., Stockton. Remodel front.
Owner—S. Solari, Premises.
Architect—None.
Day's work. $400

REPAIRS
630 N-EL DORADO ST., Stockton. Repair fire residence.
Owner—E. Allen Test, Premises.
Architect—None
Day's work. $5000

RESIDENCE
REGENT AND ALSTON WAY, Stockton. Residence.
Owner—J. B. Mills, 905 S-California St., Stockton.
Architect—None.
Day's work. $4000

ALTERATIONS
826 NORTH STOCKTON ST., Stockton. Remodel residence into flats.
Owner—Mrs. A. B. McGill, 1859 S-California St., Stockton.
Architect—None.
Day's work. $500

RESIDENCE
717 WEST WILLOW ST., Stockton. Residence and garage.
Owner—F. J. Viebrock, 129 W-Flora St., Stockton.
Architect—None.
Day's work. $7800

RESIDENCE
ROMONA ST., Stockton. Residence.
Owner—A. Forester.
Architect—None.
Day's work. $7000

STORE
JACKSON AND SAN JOAQUIN STS., Stockton. Store and dwelling.
Owner—John Habeb.
Architect—None.
Day's work. $1700

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
June 29, 1921—S ½ OF LOTS 9 AND 11 Blk 101, West of Center Street, Stockton. Warren M Green to whom it may concern..June 28, 1921
June 27, 1921—HIGH SCHOOL SITE, Stockton. Trustees Stockton High School District to whom it may concern.....June 24, 1921
June 23, 1921—LOT 35, Schroeder Tct, Lodi. J B Gundert to Jack Machandow, Reinhart Senner, John Michelson and Jacob Senner...June 11, 1921

Notice of Non Responsibility

SAN JOAQUIN COUNTY

June 22, 1921—LOTS 9 AND 10 BLK 4, Sbdvn No. 2, Tuxedo Park Map B, Stockton. Tuxedo Land Co as to improvements on property.....

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Twenty-first Year, No. 28

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Building & Engineering News

No. 560 Mission Street,
San Francisco, Calif.

MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Official Paper of Vallejo Builders' Exchange

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DATA FOR CANADIAN LAND SALE IS COMPILED

An undertaking that should prove of interest to American holders of land in Canada has been accomplished by the Department of the Interior at Ottawa, namely the listing of vacant lands for sale in Western Canada together with particulars as to area suitable for cultivation, nature of soil, price, terms, etc. The value of the information contained in these lists lie in the fact that they place the intending purchaser directly in touch with those who, for one reason or another, have been unable to cultivate their holdings and are, therefore, willing to dispose of same at inviting prices.

The availability of such land is not due to any lack of value, on the contrary, particularly in the prairie provinces, such idle land is rich virgin soil. When one considers Canada's vast area, however, and its comparatively small population it is at once apparent that a large portion of the acreage which is in private ownership must be unoccupied and, therefore, available for purchase at reasonable prices. The lists have been published by districts and may be obtained free of charge upon application to the Natural Resources Intelligence Branch, Department of the Interior at Ottawa.

SEWAGE GREASE AS FUEL

The Surveyor, London, of May 27, 1921, reports that an experiment is being made with the grease extracted from the sewage matter at the Esholt sewage disposal works of the Bradford Corporation, which can very easily have an important bearing on the fuel question. Hitherto the extracted grease has been sold by the corporation to merchants who have used it for the manufacture of various commodities, but now a test is being made to ascertain the practicability of using it for firing boilers.

Date Set For San Francisco Industrial Exposition

The Central Bureau of San Francisco Organizations announces that the date set for the Industrial and Civic Exposition is November 9 to December 10 in the Civic Auditorium. It was only through the loyal San Francisco spirit of two large organizations which had engaged the auditorium for dates in November that the Central Bureau was able to obtain the Auditorium for exposition which forms a vital part of the San Francisco Program of Dr. B. M. Rastall, industrial engineer for the San Francisco Chamber of Commerce.

The two organizations which gave way and postponed their dates were the Native Sons of the Golden West, which had planned to hold a bazaar in November for homeless children and the Mystic Shriners who had chosen a date in the same month for their annual ball. Both, recognizing the essential importance of the exposition to San Francisco's advancement, waived their prior rights to the use of the Auditorium, so that exposition might have four clear weeks for its educational purposes.

The Central Bureau had planned originally to hold the exposition in September, but found that this would conflict with the dates for the State fair at Sacramento and to avoid clashing with this event of state-wide interest abandoned this plan. October was found impossible because the Auditorium was in constant use during that month, and November was finally decided upon only after the two organizations mentioned generously withdrew their prior claims.

The Central Bureau proposes to make this exposition of San Francisco's industrial and civic activities the greatest event of its kind in the history of the city. Fred S. Nelson, chairman of the publicity committee of the Central Bureau calls attention to the wonderful Pageant of Progress that Chicago has staged on the lake shore as the kind of exposition San Francisco should hold annually.

The importance of making the people of the San Francisco metropolitan district familiar with the wide variety and quality of the products manufactured in this district is stressed by Dr. Rastall. He states:

"Only knowledge of these products and appreciation of their quality and price advantages are required in the majority of cases to greatly increase local sales. A home products exposition, open house for visitors to plants, and permanent exhibits in special lines should be provided for this purpose. The local market is of particular importance to San Francisco industries because it is much the largest both in numbers and purchasing power in the entire West."

CALIFORNIA CULVERT CO. OF BERKELEY EXPANDS

Organization of the Pure Iron Culvert & Flume Co., subsidiary of the California Corrugated Culvert Co., to take over and handle separately part of the business of the California company is announced. The organization has just filed its papers of incorporation, designating its capital as $100,000 in $100 par value shares.

The incorporators are H. W. Force, C. R. Hodgin of Berkeley, and R. E. Force of Oakland. Operations will be conducted from the plant of the California Culvert works at 5th and Parker Sts. in Berkeley. H. W. Force said that no plant changes were projected at present.

NEW OXYGEN PLANT AUGURS INDUSTRIAL IMPROVEMENT

In these days of general industrial improvement it is refreshing to note the spirit of optimism evidenced in the announcement recently authorized, that the Dominion Oxygen Co., Ltd., will break ground in mid-July for a new quarter of a million dollar oxygen plant at Montreal, which will double the company's present capacity. The building will be 100x100 ft. and will be substantially a duplicate of the company's Toronto plant, which until now has supplied oxygen to Canadian industrial users through five district distributing stations. The Montreal plant will be the second of five producing plants projected at the time the company was organized last year.

CLEVELAND TO GET NATIONAL BUILDING EXPOSITION

A national building exposition, conducted by the men of the construction industry, will be held at Cleveland, Ohio, the coming fall. The management of the show is in the hands of a special corporation formed by men of this industry—lumber-men, brick manufacturers, building supply men, contractors, architects, electrical, heating and fixture men, realtors, bankers and others who are active in the construction industry. Ralph P. Stoddard, secretary-manager of the Common Brick Manufacturers' Assn. of America, who managed the first Cleveland Complete Building Show of 1916, is director general. The exposition will be the first in Cleveland's new $5,000,000 public hall. Edw. A. Roberts, secretary of the Builders' Exchange of Cleveland, Rose Bldg., Cleveland, is secretary of the exposition.

ILLINOIS CONSTRUCTS EXPERIMENTAL ROAD

The Illinois State Highway Department has under construction an experimental road containing sixty-four test sections, each section differing from the others in design. The types of pavement used include macadam base with asphalt surface, macadam with brick top, concrete base with brick and asphalt top and regular concrete roads. The different types will be tested by trucks carrying light loads and then gradually increasing the load. Records will be kept and analyzed.

The Observer

Albert Givan, City Engineer of Sacramento, announces the appointment of J. E. Tempest as deputy city engineer. D. R. Cape has also been appointed a member of the city engineer's staff.

James F. Mullaney, who built the Lucin cut-off on the Union Pacific, creator and builder of the Sutro Heights scenic railroad and one of the first railroads in San Francisco and engineer for Claus Spreckels, when electric lines were installed in San Diego, died at Red Bluff, June 29, from injuries sustained when he fell from a tree. He was one of the noted western engineers prior to 1900, a native of Pennsylvania and honor man of his class when he was graduated from the University of Pennsylvania. He was 66 years old.

The Illinois Asbestos Products Corporation, 140 Dearborn St., Chicago, has established its Pacific Coast factory near San Pablo, Contra Costa County, and will distribute Pacific Coast business from Richmond. C. C. Whetstone is in charge of the branch.

S. E. Hewes, City Manager of Alameda has tendered his resignation to become city manager of Long Beach. Aspirants for the vacancy are City Auditor and Assessor F. J. Croll and City Engineer C. E. Hickok.

A reduction in wages ranging from nine to fifteen per cent has been agreed upon by the Fresno Building Trades Council.

Herbert Foster, assistant hydraulic and filtration engineer for the City of Sacramento, has tendered his resignation to the City Commission.

The California Pottery Co. of Fresno announces a cut of ten per cent in the price of hollow tile. The reduction was made to sitmulate building in and about Fresno, according to Chas. B. Cochran, manager of the Fresno branch, who asserts the reduction which is effective on all hollow tile brought into the district from Los Angeles by the company, brings the material down from $157.50 to $143.50 per thousand, and another grade brings the price down from $210 to $190.

The number of idle freight cars in the United States, June 1, was approximately 394,040, according to reports of the car service division of the American Railway Association. This was 28,783 less than the number of idle cars May 23.

John Findlay Wallace of New York, widely known civil engineer, died in Washington July 3.

Commencing July 5 there will be a reduction of $1 a day in wages of several crafts in Yuba and Sutter counties, according to an agreement reached at a conference of the Marysville Builders' Exchange and the Yuba-Sutter Building Trades' Council. The 8-hour day will be retained. The new wage scale in the several lines will be: Carpenters, $8 a day; painters, $8; plumbers, $9; plasterers, $10; bricklayers, $10; lathers, $10; building laborers and cement workers, $6; hod-carriers, $7; electricians, $8; teamsters, $6; sheet metal workers, $9.

Members of the Vallejo Building Trades and contractors of that city have fixed the wage scale as follows: Carpenters, $9; painters, $9; plumbers, $10; electrical workers, $10; sheet iron workers, $10; plasterers, $11; hod carriers, $8; cement finishers, $9; hoisting engineers, $9; house movers, $9; lathers, $10; millmen, $8; roofers, $9; building laborers, $6.50; cement laborers, $7; bricklayers, $10, and teamsters, $6.50 and $7 a day.

Plans for the annual Hoo Hoo convention at Fresno, September 9, are developing. September 8 there will be a reception at the Hotel Fresno, Sept. 9, a concatentation; Sept. 10, the Osirian Cloister and candidates for that degree will motor to General Grant National Park and hold a session there that evening.

The Richmondite Paving Co. will establish a mammoth rock crushing plant at Thermalito, Butte County, according to engineers for the company now in Oroville. The plant will cost approximately $300,000.

The Weed Lumber Co. at Weed, the largest employers of labor in Northern California, announces a reduction of wages in all departments amounting to 40c a day. Under the new scale common laborers will receive $2.60 a day, or $1.90 less than was paid one year ago. Women in the box factory will receive $1.60 a day. This is the fourth cut this year.

Alexander Faulds, former provincial inspector of mines for British Columbia and a prominent mining engineer, was drowned in the Stanley Park Reservoir, Vancouver, B. C., on July 4.

The American Blower Co. of Detroit announces the opening of a San Francisco branch office at 315 Rialto Bldg. in charge of Mr. Lex H. Cochran. The products of the company are heating and ventilating machinery and are well known on the Pacific Coast.

The first wire factory west of the Mississippi river, capitalized at $200,000 by local capital and under local management, begins in Orange, Calif., October 1. The establishment will manufacture all classes of electric wire and cable. Articles of incorporation are being prepared and a purchase of two and one-half acres within the townsite for the location of the plant and the ordering of machinery has already been authorized. The company will be known as the California Wire Co., President, Louis Koth; vice-president, F. W. Struck, secretary - treasurer, F. A. Grote; these, with Wm. King and W. C. Matthias, are directors.

Charles Stockton Pope announces that he has withdrawn from Warren Brothers Company and resumed private practice as a civil engineer, specializing in municipal engineering, highway engineering, flood control, irrigation and contracting engineering. He will be associated in offices with C. C. Kennedy, Holbrook Bldg., San Francisco.

The H. F. Watkins Co. of San Francisco, has been appointed the Pacific Coast representative for Rubberstone flooring for hospitals, etc., H. W. Bulow, formerly of the Insulite Products Co., will be in charge of the newly created department.

E. W. Bullard, junior partner of the firm of E. D. Bullard, San Francisco, has accepted the invitation of the U. S. Bureau of Mines to be one of the judges at the International First Aid and Mine Rescue contest to be held September 1, 2 and 3rd at St. Louis, Missouri. Mr. Bullard will leave San Francisco the early part of August for the East, where he will spend a month visiting the large mines and industries, studying their safety and welfare work and also looking into any improvements in that line that as yet have not reached this coast.

San Francisco Builders' Exchange has endorsed the proposed bridging or tunneling of the bay, uniting the city of San Francisco with other bay cities.

J. H. Arlitt, dealer in municipal securities, Littlefield Bldg., Austin, Texas, wants names and addresses of contractors (1) who build hotels, (2) who build and finance the construction of hotels and (3) persons who finance hotel construction.

The United States Steel Corporation announces a cut in pipe and tube prices ranging from $2 to $12 a ton and a reduction of $5 a ton in wire and wire nails. A reduction in prices for other commodities was announced a few days ago.

Furniture for Chico's new high school building will probably be made in the San Quentin penitentiary. Officials of the school board have requested Warden J. J. Johnston to come to Chico regarding the matter.

Announcement is made in New York that importers and manufacturers of genuine mahogany throughout the country will soon form an association, the preliminary purpose of which will be to educate the public as to the merits of the "king" of cabinet woods and to warn against the substitutes that are now being used and called "mahogany finish," sometimes represented as the genuine article.

C. E. Hickok, former city engineer of Berkeley, has been appointed city manager to fill the vacancy caused through the resignation of C. E. Hewes who has been appointed city manager of Long Beach. Burton Hamilton will be city engineer and Geo. Sperback assistant.

CALIFORNIA WEEKLY BANK CLEARINGS

Bank clearings, as reported to the California Development Board by the several clearing house cities for the week ending July 7, 1921, showing the amount of increase or decrease from the amount reported the corresponding week, last year (5 day weeks).

		Decrease
San Francisco..	$109,500,000	$30,500,000
Los Angeles...	73,500,000	*3,773,000
Oakland	9,478,228	691,357
Sacramento ...	5,380,525	597,031
San Jose.....	1,892,606	813,322
Pasadena	2,959,721	*1,227,453
Bakersfield	1,204,436	39,567
Long Beach....	3,740,384	*515,763
Santa Rosa....	330,377	160,369
Whittier	436,057	.....
Modesto	592,455	.....
San Bernardino	1,547,884	.....

*Increase

NOTICE TO SUBSCRIBERS

In applying for information regarding "Foreign Trade Opportunities" read the directions carefully and fully and follow them.

Many do not do this and much annoyance and delay is caused by this carelessness.

Foreign Trade Opportunities

[Where addresses are omitted they may be obtained from the nearest **branch office of The Bureau of Foreign and Domestic Commerce** by application in letter form.]

It is requested that, in asking the Bureau of Foreign and Domestic Commerce for information regarding Trade Opportunities or reports of consular officers, correspondents **specify the number of the "opportunity"** or the author and date of the consular report sought, giving also any other data that might be useful in aiding the bureau quickly to identify the report sought. The list of offices on the Pacific Coast follows: **San Francisco, 310 United State Customhouse; Seattle, 107 Alaska Building.**

NOTE:—Be Careful that enough postage is placed on all catalogues. Complaint is made that Americans are careless about this.

35078—The purchase is desired by a mercantile company in CANADA of woodworkers' vises. Quotations should be given f. o. b. port of shipment. Cash to be paid. Shipment may be made all rail. Reference.

35087—A merchant in CANADA desires to purchase glass dash churns. Quotations should be given f. o. b. port of shipment. Cash to be paid. Shipment may be made all rail. Reference.

35091—A firm in CANADA desires to purchase electric curling irons. Quotations should be given f. o. b. port of shipment. Cash to be paid. Shipment to be by railroad. Reference.

35093 — A commercial agent from VENEZUELA who has been in the United States for some time is about to return to Venezuela and desires to secure an agency for the sale of hardware, table glassware and leather. References.

35094 — A mercantile company in CANADA desires to purchase washing machines. Quotations should be given f. o. b. port of shipment. Cash to be paid. References.

35102 — A former member of an important American firm of public accountants and later connected with a large industrial company, is about to engage in practice in Melbourne, AUSTRALIA, and desires to handle auditing and accounting work of American manufacturers and exporters doing business with the Australian trade. References.

35104 — A hardware company in CANADA desires to purchase lawn mowers. Quotations should be given f. o. b. port of shipment. Cash to be paid. References.

35111—Commercial agent in BRAZIL desires to secure the representation of manufacturers of paper and paper products, leather products and office and school supplies for sale in Southern Brazil. References.

35114—A firm in MEXICO desires to purchase and secure an agency for the sale of two instruments augmenting sound, for installation in theatre. Cash to be paid. Correspondence should be in Spanish. Reference.

35122—Manufacturing firm in JAPAN desires to purchase green flawy onyx marble to be used for making clock stands and cases. No reference offered.

Hydro Electric Resources of State Need Developing

In my opinion, the one thing upon which the material prosperity of California depends more than any other is the economical, timely and intelligent development of the hydro-electric resources of the state, says Frank R. Devlin, former president of the California State Railroad Commission.

California more than any other state in the Union, and perhaps, indeed, more than any other section of the world, has been blessed in natural resources. First the lure of the mines arrested the attention of the world and beckoned the hardy pioneers to the new Eldorado of the west. Then came the transition from mining to agriculture, followed by the marvelous development of the deciduous and citrus fruit industry, and now the state's magnificent harbors and the rivers tapping its wonderful fertile valleys presage a wonderful shipping future, and it takes no great vision to forsee its opportunities, facing as it does the certain and comparatively early development of the Orient.

It has always been recognized that the only serious handicap to California as a manufacturing state is the lack of cheap fuel. Nature in disposing of her wonderful bounties was most generous to our state, but California never possessed coal, either in character or amount that would be of any appreciable value in manufacturing industries.

Search for Cheap Fuel

With the discovery and development of the California oil fields some years ago, it was hoped that this important link, so necessary to the strength of California's chain of development, was supplied. But the uncertainty of oil production and the ready absorption of the California supply, abroad as well as at home, reduced very measurably the hope that California was ready to take her position in the front rank in the manufacturing world, as she had in practically every other line of commercial development. Today experts are endeavoring to estimate how long the California oil supply will last, and feverish effort is being made to discover other oil deposits throughout the state. And at the same time engineers and economists are endeavoring to determine how long the supply in the coal fields will satisfy the demands of the nation. Survey is being made of the vast coal fields of Pennsylvania, West Virginia and other coal producing sections.

California has, however, in another form and in an amount that is little short of stupendous, potential fuel and power that will, in my opinion, if intelligently developed, make California the leader as a manufacturing state, as it was in mining and as it is in fruit raising.

Water Power Wasted

The tremendous waste of power in this state which has been flowing down the mountain gorges and to the valley streams and thence to the sea in the form of unharnessed and unchecked hydro-electric power is something almost appalling. Science has demonstrated that these millions upon millions of horsepower can be brought from the mountain gorges to the valleys to aid irrigation; to the seaboard to aid manufacture; to the railroads to facilitate transportation, and to the homes to make even more comfortable the residents of California.

With the readjustment period through which we have been passing will come, in my opinion, an abnormal period of development. Industry and manufacturing will be promoted on a larger scales than ever before. But the one thing that the promoters of large manufacturing industries will first demand before locating a plant will be sufficient and permanent fuel or power. Plants investing millions and tens of millions, will look further than a fuel supply for five years, or ten years, or 20 years; but they make inquiry as to what the fuel or power supply will be 50 years hence.

Unquestionably the most permanent, if not indeed the only permanent supply of power that nature guarantees will be that of hydro-electric.

The Pacific coast possesses approximately two-thirds of the potential hydro-electric power of the United States. Is there any question as to the future of California as a manufacturing state with this power available and waiting only the development and conversion from waste water into electric energy? The answer should be no; but the answer should be qualified, and I again repeat what I said at the outset, namelly, that the one thing upon which the material prosperity of California depends more than any other is the economical, timely and intelligent development of her hydro-electric energy.

Recognizes Possibilities

Timeliness means now. That is, it means an immediate recognition of our potential hydro-electric power possibilities and an anticipation of the demands which, if we are to enjoy the benefits of those resources, soon will be upon us.

Economical development means comprehensive, business-like, scientific development with due regard to proper co-ordination of the various hydro-electric developments throughout the state.

Intelligent development means a recognition by the public that the development of the hydro-electric resources brings an added value, and added income and added prosperity to every resident of California whether immediately engaged in the electric development work; whether cultivating the fields or orchards; whether engaged in merchandising in the larger cities or towns of our state; or whether indeed employed as an artisan in any of the various industries of the state.

Intelligent development can be had only through a recognition by our people of the fact that fair and honest treatment must be accorded those who undertake such work.

There are 3,003 miles of water mains in New York City. This is more than enough for a pipe line from New York to San Francisco.

Cities develop character and reputation as well as men. As they sow so they reap.

Many contractors have made money and don't know how they made it. If they don't watch out they may lose it the same way.

In Tokio, the capital of Japan, with a population of 2,700,000 souls, there are only 5,000 automobiles.

Asphalt and Its Use in Construction Work

By JOHN B. HITTELL, District Engineer, The Asphalt Assn.

Asphalt is the oldest adhesive agent known to man, and was used as a cementing medium by the ancients; a mastic cast of molded clay and asphalt has been found near the Euphrates dating back to the year 2850 B. C. and as early as 2500 B. C. the Egyptians utilized liquid or melted asphalt as a preservative coating from the cloth wrapping of mummies. Its waterproofing value was also known at this date and there is good reason to believe that the ark built by Noah was treated with asphalt within and without for this purpose.

Authentic records show that as early as 700 B. C. it was employed by a Babylonian king to fill the interstices of a brick pavement. This must have been a true natural asphalt, and which undoubtedly occurred in the form of springs and pools, such springs and pools still exist, in some parts of Asia but in too limited quantities for commercial purposes.

Sandstone rock and limestone rock impregnated with asphalt are found in large quantities in Switzerland, Italy, Germany and Sicily; Kentucky, Oklahoma and Texas in the United States.

In 1854 the first compressed rock asphalt pavement was laid in Paris in rather a crude manner, and this was followed in 1858 by the construction of a pavement more nearly representing present practice. In 1869 rock asphalt was first used in England to pave Threadneedle St., London, and in 1870 it was used in experimental paving work at Newark, N. J., opposite the City Hall. Bituminous rock from California was used as early as 1868 to cover an old wooden pavement in Santa Cruz.

The results achieved from rock asphalt pavements in this country have been decidedly varied. Nearly all pavements laid in the past five to twenty years were put down with heated material; the Kentucky producers advocate the laying of their material without the application of heat.

In the eastern part of the United States in the early sixties sidewalks and cross walks consisting of coal tar mixed with gravel, broken stone, and coal ashes were laid under a patented process. In 1867 a small part of a roadway in Prospect Park, Brooklyn, was paved with this material. The experiment was so successful that in 1868 Lenox Road, Flathush, Brooklyn, was paved with a foundation 5 inches thick consisting of 2-in. broken stone mixed with sand, coal ashes and tar, and with a wearing surface similar to that foundation with the exception that no stone larger than 1 inch was used. This pavement lasted for almost twenty years and when the street was repaved in 1896 a part of it was found to be intact and served as a foundation for a new asphalt pavement. This street is considered probably the first one regularly paved with bituminous material in the United States. This type of construction gave good satisfaction, but owing to the volatility of the tar the streets had to be closed for a period ranging from 30 to 60 days after completion in order to permit their use.

To overcome this the Abbott patent consisting of a combination of roofing pitch and creosote was used as the binding material and came in use in 1871. Streets in Washington and Brooklyn were laid with this mixture and were in good condition for 14 or 15 years; as these pavements failed, asphalt was laid over them and with the previous example cited are the pioneer examples of bituminous foundations for bituminous pavements.

The first asphalt pavement laid in the United States was in front of the City Hall in Newark, New Jersey, in 1870, with Trinidad asphalt as the cementing material. The result achieved from a Trinidad pavement at Newark and similar pavements in Philadelphia and New York attracted the attention of the authorities of Washington, D. C., with the result that a special commission was appointed by Congress to investigate and report as to the possibility of adopting them for that city; it resulted that Pennsylvania Ave. from First to Sixth Sts. was paved with rock asphalt by the Neuchatel Asphalt Co. in '76 and '77, and from Sixth to Fifteenth Sts. at the same time with Trinidad asphalt.

In 1891 asphalt from Bermudez, Venezuela, was introduced for paving purposes. Woodward Ave. in Detroit was paved with that material in 1892. It was found that both Trinidad and Bermudez asphalts must first be subjected to a refining process in order to remove extraneous material and when thus refined must be combined with a residual petroleum oil known as flux oil, by which means an asphalt cement of proper consistency or hardness can be secured.

In the late nineties pavements with asphalt obtained by refining California petroleum were laid east of the Rocky Mountains. Some of those were constructed in New York City between the years 1897 and 1904, under long term guarantees, and official reports put the cost of repairs to January 1, 1914, as ranging from nothing to two cents per square yard. The asphalt cement was known as California "D" grade. Lafayette St., South Bend, Ind., was paved with this material in 1898.

With the growth of the petroleum industry and the increased demand for asphalt, petroleum refineries quickly learned how to manufacture asphalt from asphaltic petroleum. The first commercial asphalt thus produced was manufactured from California petroleum and was known as petroleum asphalt to distinguish it from asphalts produced in nature. After a comparatively short period of experimental refining, it was found that high grade asphalt could be successfully manufactured from certain petroleums and that the purity and consistency of such asphalts could be scientifically confined within very narrow limits. So, by a single operation, asphalt suitable for any desired use is now produced, which explains the ever increasing demand for its use in highway construction and for many other purposes.

Asphalt Refining Tank

Crude lake asphalt must invariably be refined before it is suitable for use in highway construction. The refining process is conducted in large metal tanks heated by means of steam coils and equipped with perforated pipes through which air or steam is forced for the purpose of agitation, so as to prevent local overheating and consequent injury of the asphalt. The chunks of crude asphalt are thrown into the tank and melted. The temperature is then gradually raised until all water and light oils are evaporated. Vegetable matter floats to the surface and is skimmed off while the coarser particles of mineral matter settle at the bottom. The refined asphalt may then be drawn off and barrelled. It is invariably too hard for direct use and must be softened to suitable consistency by mixing it with a fluid petroleum product known as flux oil.

The fluxing process is sometimes conducted in the original tank after the crude asphalt has been refined. It consists merely in agitating the asphalt with the proper amount of flux until a homongenous product of the desired consistency is produced. When the fluxing process is not carried out at the refinery the refined asphalt must be fluxed at the paving plant before it is mixed with the other constituents of the pavement.

Refining Trinidad Asphalt

The crude Trinidad asphalt contains only 39% bitumen, or asphalt proper, 29% of water and gas, 6% of organic or vegetable matter and 26% mineral matter, mostly clay. When this material is heated in the refining tank, water, gas and volatile oils are evaporated. Most of the vegetable and mineral matter remains in suspension in the asphalt and is therefore present in the refined product. By loss of volatile materials the percentage of bitumen is of course increased in the refined asphalt which remains behind. The refined asphalt, however, contains only 58% of asphalt proper.

This refined asphalt being too hard for direct use must be softened with flux. Flux oil is entirely soluble in carbon disulphide and is therefore all bitumen. It is at once evident that any combination of refined Trinidad asphalt and flux must contain a greater percentage of bitumen than the refined asphalt. A typical combination shows that the bitumen has been increased to 64%. This 64% then represents the asphalt in the asphalt cement. As the remaining 36% of organic and mineral matter have no binding value it is evident that a greater quantity of such an asphalt cement will be required to bind the mineral constituents of a given yardage of pavement than if the asphalt cement were all bitumen.

Petroleum Stills

Asphalt is refined from crude asphaltic petroleum in 50,000 gallon cylindrical iron stills, set horizontally and heated from below. Inside they are equipped with perforated pipes through which steam is forced during refining. The process is very simple and quite similar to that described for lake asphalt except that, because the volatile products have considerable commercial value, they are carried off from the top of the still through a vapor line and condensed in water cooled coils.

The temperature of the oil in the still is never allowed to exceed 600 or 700° F. and this coupled with steam agitation prevents injury to the asphalt left behind. As distillation progresses the material remaining in the still becomes more and more vicious until finally a semi-solid or solid residue is produced. Distillation is stopped when the asphalt has reached the desired consistency. No fluxing is therefore necessary.

In the manufacture of asphalt fillers for brick pavements it is customary to blow air through the melted asphalt at a certain stage in the refining process. This produces a higher melting point asphalt than would be produced by a straight steam distillation. Except for water which is removed by distillation, petroleum is practically pure bitumen. It therefore follows that petroleum asphalt is pure bitumen, and its use

does not have to take into account the presence of vegetable and mineral matter.

Asphalt Production and Importation Statistics of the Geological Survey show the growth of the asphalt industry in the United States. Until 1911 imported native asphalt, mainly Trinidad and Bermudez, led all others. In 1902 petroleum asphalt was introduced in commercial quantities and its production from domestic petroleum has grown very rapidly since 1910. Even more remarkable has been the production from Mexican petroleum since 1913. In 1919 about eight times more asphalt was produced from petroleum than was imported from Trinidad and Venezuela.

QUICK LIME USED TO BREAK UP OLD MASONRY

A bulletin of the National Lime Association notes that the expansive force developed by the slaking of quicklime can readily be utilized to break up old masonry. The method suggested is as follows: Drill a good-sized hole in the wall—making this bottle shaped with as small an opening as possible. Put in quicklime until this hole is almost full and make a tight-fitting wooden plug that can be driven firmy into the opening. Quickly pour in enough water to slake the lime and drive home the plug. The expansion of the lime as it slakes will exert a tremendous pressure that will easily break up an ordinary piece of masonry.

STATES PROTECT ROADS AGAINST OVERLOADING

Motor truck legislation designed to protect highways against overloading constituted the dominant feature in a number of state legislatures, the sessions of which have recently been concluded.

In Ohio one of the most bitter legislative fights of the session was held over the Burke Act. This measure was opposed by commercial trucking interests and while the Governor ventured the suggestion that its terms were too severe, nevertheless he signed the bill when literally thousands of messages were sent to him asking for its approval. Motorists in Ohio who favored this bill insisted that trucks were largely unregulated and the small tax they paid did not recompense for the damage done.

Under the Burke Act, violators where possible are fined under local order, where they can be taken immediately to court. Otherwise, overloaded trucks are ordered off the highways. So popular is this measure that it is said there will be literally thousands of volunteers to see that the statute is obeyed.

In Wisconsin the outstanding feature of a bill to regulate truck traffic is found in a proposed classification of roads under three heads.

Class A are high type roads and the load limit is placed at twelve tons. California's load limit is fifteen tons.

For Class B the load limit is seven tons and for Class C, three and one-half tons.

Classification of roads is determined by the Wisconsin Highway Commission for the State highway system and by local authorities for local roads.

In Maryland, if a truck load exceeds the weight allowed under the statute, which is ten ton gross weight of vehicle and load, the driver is forced to unload the excess weight at once and leave such excess weight by the roadside or wherever he may be when the traffic officers discover the overweight.

Through the use of loadometers the necessity of taking a truck to a stationary scale is avoided.

GOOD ROADS MOVEMENT IS BRINGING RESULTS

By C. S. Lee, Director, Highways Information Service, New York.

The growth of "The Good Roads Movement" in the United States and Canada since its organized inception in 1880, and with the great stimulus it received in the periods immediately following the advent of the automobile and the appearance of the motor truck has been so rapid, so extensive and so effective that highway construction today constitutes one of the greatest, if not the greatest, problems in American economic life.

There are now 1702 organized agencies actively and directly pleading the cause of good roads. The agitation to date has brought about the construction of 310,000 miles of surfaced highways—raising the highway mileage of the United States to 2,478,552 and that of Canada to 255,000.

The automotive industry, fourth largest in the country, with 368 manufacturing plants capitalized at $1,204,378,642 and employing 325,000 workmen; having an annual output of 2,205,197 passenger cars and trucks valued at $3,594,814,620, and supplemented, as it is, by 1900 firms producing auto parts valued at $300,000,000 a year, together with 1000 firms manufacturing annually 35,000,000 tires valued at $1,000,000,000, is absolutely dependent upon highway improvement for its stability and upon increased road mileage for greater expansion. In addition, 33,000 distributors of automobiles are involved as well as 45,800 dealers in automobile accessories and 35,000 dealers in tires. So great, too, has the road building industry become, in consequence of the demand for improved roads, that there are now 7500 contracting firms engaged in actual construction work. The roads are now traversed by 9,211,295 licensed cars and trucks, of which 3,000,000 are used on the farms. These cars consumed 3,200,000,000 gallons of gasoline last year.

Prior to 1880, when Amos G. Batchelder, late chairman of the executive board, American Automobile Assn. at Washington, with H. S. Earle of Detroit and other pioneer advocates, organized the League of American Wheelmen and began a systematic campaign, a good roads enthusiast was looked upon with undisguised curiosity or amusement as something of a "nut" — a loquacious, but, no doubt, well meaning person who might be seen but not heard. Usually he was promptly "sat down upon" by a lugubrious taxpayer.

Opposition gradually melted away, however, as the campaign became more fully organized and extended. Since 1880 more than $3,000,000,000 has been spent for highway improvement in the United States and Canada. More than $1,300,000,000 is now available and $1,500,000,000 additional will be necessary to carry out projects under contemplation. And yet, with all this, only a beginning has been made. Billions more must be expended before the country has anything like a highway system adequate to the traffic needs.

The great demand for good roads and the progress made in road building has evolved many types of hard surfaced roadway, of which the bituminous are in greatest general use. The popularity of these types, especially those of the sheet asphalt, the asphaltic concrete and asphaltic macadam, is due to their long wearing qualities, resiliency against traffic impact, dustlessness, noiselessness, cleanliness and low cost of upkeep. Brick and concrete roads have also developed with the agitation as have the wooden block and granite block types. The most recent available figures give 42.11 per cent of the surfaced roads in the United States as being of gravel, 25.22 per cent as of macadam, 17.16 per cent as of sand-clay, 10.98 per cent as of asphalt and other bituminous materials, 3.91 per cent of concrete and 0.62 per cent of brick. The figures for the asphaltic and brick types—a total of 15.53 per cent show the extent to which the city types of pavement have been adopted in the rural districts. The wooden block and the granite block types do not appear to have progressed as yet beyond the city boundaries.

The extent to which the dustless types of pavement are being adopted is further shown by testimony given recently before the Senate Committee on Post Offices and Post Roads at Washington by Thos. H. MacDonald, chief of the United States Bureau of Public Roads, whose tabulations showed that 107 Federal aid projects completed and paid for to May 25, this year, were roads built of bituminous materials. These highways were constructed in Alabama, Arizona, Arkansas, California, Georgia, Idaho, Indiana, Kentucky, Louisiana, Massachusetts, Michigan, Maine, Minnesota, Missouri, New York, New Hampshire, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, Rhode Island, Texas, Vermont and West Virginia. Additional Federal aid highways of the same types have been approved and are under construction in Kansas, Maryland, Tennessee, Virginia, Connecticut, Wisconsin, New Mexico, Utah, Florida, Montana and Wyoming. Illinois, New Jersey and Nevada have lately included bituminous roads in their future Federal aid program.

According to other figures compiled by the Federal Bureau there are now 22,030 miles of Federal Aid roads in the United States. These have cost $361,946,868. Latest figures compiled by The Asphalt Assn., New York, show that $343,678,712.36 were made available in 569 new highway bond issues by states, counties, townships and districts and municipalities in May and June this year. This makes $1,343,678,36 now available for road work in the United States during the next two years.

It has been only by the most persistent efforts on the part of the advocates and the formation of militant organizations everywhere that "The Good Roads Movement" has been carried to its present high estate. The automobile and the motor truck have done more to form a favorable sentiment than any other agency.

While State road building policies were nothing new, in view of the action inaugurated by Kentucky in 1821 which resulted in the completion of 343 miles of State roads by 1837, very little had been accomplished by any of the states or the Federal Government beyond the construction of the toll roads and the old "National Road" from Cumberland, Md., to St. Louis, Mo. The latter was begun in 1806, during the administration of Thomas Jefferson.

The first State aid law was passed by the New Jersey Legislature in 1891. The next year "The National League for Good Roads" was formed to conduct a vigorous campaign for the establishment of a Federal highways bureau. In 1893 the Department of Agriculture, in accordance with a

(Continued on page [illegible])

Building News Section

APARTMENT HOUSES

Contract Awarded.
APARTMENTS $48,000
LOS ANGELES. Western Ave. and Clinton St.
Two-story brick store and apartment building, 100x126 (5 stores, 8 apartments).
Owner—S. E. Riskin, 2243 Crenshaw Blvd., Los Angeles.
Architect—Not Given.
Contractor—August Hanson, 7509 Sunset Blvd., Los Angeles.

Contract Awarded.
APARTMENTS Cost, $13,500
OAKLAND, Alameda Co., Cal. SW Rose and Pleasant Valley Ave.
Two-story 16-room frame apartments
Owner——Dr. L. R. Durich, 1736 12th St., Oakland.
Architect—Not Given.
Contractor—J. W. Monroe, 4612 Grove St., Oakland.

Segregated Figures Being Taken.
APARTMENTS Cost, $85,000
SAN FRANCISCO. NW 26th Ave. and West Clay Street.
Three-story and basement frame apartments (6 6-room and 1 10-room apts. and basement garage.)
Owner—C. R. Haley.
Architect—Kenneth Macdonald Jr., 234 Pine St., San Francisco.

Figures Being Taken For Brick Work, Electric Work and Plumbing.
BUNGALOW APTS. Cost, $16,000
ALAMEDA, Alameda Co., Calif. NE Union and Alameda Avenue.
Three 1-story frame and brick veneer bungalow apts. (2 3-room apts. in each building).
Owner—Max Claussenius, 1813 Alameda Ave., Alameda.
Architects—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
McIntosh Bros. have been awarded a contract for the carpentry work.

BANKS

Plans Being Figured.
OFFICE BLDG. Cost, $——
LOS ANGELES, Cal. Hollywood Blvd and Cosmo Street.
Four-story reinforced concrete Class A office building, 50x150.
Owner—Palmer Building Cptn., Publishers of "Hollywood Citizen."
Architect——E. T. Flaherty, 434 I. W. Hellman Bldg., Los Angeles.

BONDS

WOODLAND, Yolo Co., Cal.—Election will be held July 28 in Monument School District to vote bonds of $15,000 for financing construction of a new school building. Trustees of the district are Susan Marty, Lucy Casselman and Eleanor Bandy.

ESPARTO, Yolo Co., Cal.—Preliminary steps are being taken to call an election to vote bonds of $100,000 to finance construction of a new high school building.

SANTA ROSA, Sonoma Co., Cal.—Election will be held in Canfield School District July 26 to decide the question of issuing and selling bonds of $6500 to finance school improvements. Trustees of the district are: Oscar Haensch, Herman Siemer and John Blank, Jr.

COLUSA, Colusa Co., Cal. — Until July 13 bids will be received by County Treasurer for purchase of $85,000 bond issue of Maxwell Union High School District; proceeds of sale to finance construction of a new school building. Woollett & Lamb, Hagelstein Bldg., Sacramento, are the architects.

SACRAMENTO, Cal.——Until July 11, bids will be received by the County Supervisors for the purchase of $25,000 bond issue of the Fruitridge School District, proceeds of sale to finance construction of a new school building.

VISALIA, Tulare Co., Cal.—Liberty School District is planning election to vote bonds of $7,000 to finance construction of additions to present school. Two previous elections for $15,000 failed to carry by a small majority.

GRIDLEY, Butte Co., Cal.—Election held in Gridley High School District to vote bonds of $225,000 to finance construction of a new high school failed to carry.

WOODLAND, Yolo Co., Cal.—Election will be held in Cache Creek School District July 23 to vote a direct tax of $2,500 for altering and enlarging present school. Trustees of the district are: C. L. Musgrove, G. W. Van Zee and J. R. Jacobs.

MADERA, Madera Co., Cal.—Bonds of $25,000 were voted at a recent election in the Ripperdan School District, to finance construction of a new school building.

MANTECA, San Joaquin Co., Cal.—Bonds of $14,000 were voted in Summer Home School District to finance construction of a new school building.

RIVERSIDE, Cal. — The Supervisors of Riverside County have decided not to submit the proposed new county highway bond issue for the present. County Engineer A. C. Fulmor submitted an estimate which showed the chief road and bridge improvements would cost $973,890, which is $300,000 in excess of the county's unused bonding capacity.

FRESNO, Fresno Co., Cal.—Election will be held in McKinley School District July 21 to decide the question of issuing and selling bonds of $37,000 to finance construction of a new school building. Swartz & Ryland, Rowell Bldg., Fresno, are the architects.

FRESNO, Fresno Co., Cal. — Until July 15 bids will be received by Supervisors for purchase of $48,000 bond issue of Malaga School District and $3000 issue of Central School District, proceeds of sale to finance school improvements.

STOCKTON, San Joaquin Co., Cal.—Until July 18 bids will be received by Supervisors for purchase of $50,000 bond issue of Woods School District, proceeds of sale to finance school improvements.

SANTA ROSA, Sonoma Co., Cal. — Until July 26, 1:30 p. m., bids will be received by Supervisors for purchase of $250,000 bond issue of Courthouse School District and $18,000 bond issue of Roseland School District, proceeds of the sale in each instance to finance construction of school improvements.

OAKDALE, Stanislaus Co., Cal. — Bonds of $60,000 voted in Oakdale Union Grammar School District to finance construction of a $35,000 new building and for adding two rooms to the present school. No architect has been selected as yet.

MADERA, Madera Co., Cal. — Two bids received by Supervisors for purchase of $8000 bond issue of Tharsa and $8500 bond issue of Fairmead School Districts rejected, as bidders failed to furnish required certified check.

STOCKTON, San Joaquin Co., Cal.—Election will be held in New Hope School District July 25 to vote bonds of $12,000 to finance construction of a new school building. Trustees of the district are Robt. Nichols, Jr., G. L. Barber and W. C. Housken.

VISALIA, Tulare Co., Cal.—No bids received by Supervisors for purchase of $10,000 bond issue of Sunnyside School District and $10,000 issue of Columbine School District. Proceeds of the sale were to finance school improvements. Efforts will be made to dispose of the issues at private sale.

SANTA CRUZ, Santa Cruz Co., Cal.—Election will be held August 9 to decide the question of issuing and selling bonds of $209,000 to complete construction of the county highway system as originally planned. Lloyd Bowman, County Engineer.

FACTORIES & WAREHOUSES

PALERMO, Butte Co., Cal.—California Packing Co. is planning enlargement of their packing plant here, the present plant being inadequate to handle contracts on hand. Preliminary sketches are being prepared in the company's engineering department in San Francisco.

OAKLAND, Cal.—City Council, L. W. Cummings, Clerk, appropriates $7500 to cover cost of constructing wooden frame, corrugated iron building on city property south of 8th St.

OROVILLE, Butte Co., Cal.—H. H. Hume, County Engineer, is completing plans for a new warehouse building to be erected at Mulberry. Structure will be used to house county road machinery, etc.

Plans Prepared.
WAREHOUSE Cost, $35,000
FRESNO, Fresno Co., Cal, G and Kern Streets.
Warehouse.
Owner—R. E. Woodward.
Architect—E. Mathewson, Cory Bldg., Fresno.

Contract Awarded.
ADDITION Cost, $15,000
SAN FRANCISCO. NW Townsend & Clarence.
One-story addition to Class C bldg.
Owner—California Wine Assn.
Architect—John H. Powers, 460 Montgomery.
Contractor—J. Biller, 460 Montgomery

FLATS

Contract Awarded.
FLATS Cost, $15,000
SAN FRANCISCO. SE Calif. St. & 31st Ave.
Two-story & basement frame (4) flats.
Owner—Francis Ronicke.
Architect—Harry M. Michelson, Phelan Bldg.
Contractor — Barrett & Hilp, Sharon Bldg.
The contractors will take sub-figures shortly.

Contract Awarded.
STORE & FLATS Cost, $35,000
SACRAMENTO, Calif. No. 1016 20th St.
Two-story brick building (store and 6 flats).
Owner—Miller & Skelton, 1400 K St., Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento.

GARAGES

Plans Being Prepared.
GARAGE Cost, $——
LOS ANGELES, Cal. W Pico Street near Figueroa Street.
Two-story Class A reinforced concrete garage, 72x125.
Owner—J. A. Graves.
Architects—Morgan, Walls & Morgan, 1124 Van Nuys Bldg., Los Angeles.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C. — Following bids were received by the Bureau of Yards and Docks, Navy Department, June 29, under Specification No. 4396, for constructing footings for machine shop, Pearl Harbor:

W. F. Martens, 53 Franklin St., Rochester, N. Y., $68,297, 140 days.

Daniel D. Cummings, Honolulu, $94,980, 180 days.

Ralph E. Wooley, Honolulu, $78,000, 120 days.

Hawaiian Contracting Co., Honolulu, T. H., $75,000 telegraphic modification, deduct $15,325, 120 days.

WASHINGTON, D. C.—Following bids were received by the Bureau of Yards and Docks, Navy Department, June 29, under Specification No. 4441, for electric elevators for storehouse at San Diego:

Item 1, 2 elevators; 2, 1 elevator.

Hollister-Whitney Co., Quincy, Ill., item 1, $22,653, 180 days; 2, $11,627.

Otis Elevator Co., Washington, item 1, $28,600, 180 days; 2, $14,584.

Kaestner & Hecht Co., 1300 W. Harrison St., Chicago, item 1, $31,316, 140 days; 2, $16,000, 120 days.

WASHINGTON, D. C.—Following bids were received June 24, by the Supervising Architect, Treasury Department, for furnishing and installing furniture in the U. S. public building at Honolulu:

Federal Equipment Co., Carlisle, Pa., $11,812, 100 days.

Furnas Office Equipment Co., Indianapolis, Ind., $14,093.95, 120 days.

Richmond School Furniture Co., Muncie, Ind., $9,999.

John E. Sjostrom, Philadelphia, $10,811, 120 days.

Art Metal Construction Co., Jamestown, N. Y., $19,538.26, 120 days.

Keyless Lock Co., Indianapolis, Ind., $14,306.20, [illegible]

WASHINGTON, [illegible] following awards have been [illegible] under the direction of the Supervising Architect:

San Francisco, Calif., marine hospital, Burnham Plumbing Co., Inc., 1220 Webster St., San Francisco, new plumbing, fixtures, etc., $2,415, 45 days.

San Francisco, Calif., marine hospital, Alfred N. Vogt, 165 Stevenson St., San Francisco, alterations and repairs, $2,165, 40 days.

San Francisco, Calif., marine hospital, The Turner Co., 272 Natoma St., San Francisco, cast iron fire mains, etc., $5,660, 45 days.

San Francisco, Calif., marine hospital, J. J. McHugh, 68 Post St., San Francisco, repairing roadways, etc., $4,435.40, 60 days.

WASHINGTON, D. C.— DeWard & Cobham, 207 Granger Bldg., San Diego, at $103,345 awarded contract by the Bureau of Yards and Docks, Navy Department, for constructing sewer and water system at San [illegible] under Specification No. 4365; time for completion, 150 days.

WASHINGTON, D. C.—Until July 19, 10:30 a. m., bids will be received by Purchasing Officer, The Panama Canal, for furnishing and delivering Portland cement under Circular No. 1452; further information from Assistant Purchasing Agent, Fort M[illegible]

WASHINGTON, [illegible] Yards and Docks, Navy Dept., rejects bids received under Specification No. 4425 for constructing garbage incinerator at San [illegible]

SAN FRANCISCO—Until July 11, 10 A. M., under Circular No. 22-4, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering 1,050 boiler tubes, standard lap-welded, 3½-in. x 18-in. No. 11 gage, (.120-in); packed [illegible] Early delivery desired.

SEATTLE, Wash.—Until July 11, 11 A. M., under Circular No. 513, bids will be received by [illegible] Commission, 422 Bell Street Terminal, for furnishing and delivering plumbing supplies and pipe fittings. Further information regarding this Circular may be had [illegible] office of the Com[illegible] House.

WASHINGTON, D. C.—Bids for furnishing and delivering supplies to Pacific Coast Navy Yards are being received by the Bureau of Supplies and Accounts, Navy [illegible] for opening bids noted at end of each paragraph:

Schedule 8347, for Mare Island, miscellaneous varnish and marine glue, opening of July 22.

Schedule 8351, Mare Island, 20 induction type [illegible] 11 ammeter [illegible] 1 watthour meter, 20 rolls record paper and miscellaneous ammeters, opening of July [illegible]

Schedule 8372, eastern and western yards, [illegible] of July 22.

Schedule [illegible] yards, [illegible] of July 22.

Schedule [illegible] the [illegible]

Schedule 8375, for Mare Island, 2500 sq. yds. linoleum, opening of July 22.

Schedule 8377, for Puget Sound, 4 electric hoists, opening of July 15.

Schedule 8384, for Mare Island, 6700 lbs. copper tubing, opening of July 22.

Schedule 8388, Mare Island, 500 water gauge reflex glasses, opening of July 15.

Schedule 8403, Mare Island, 26,000 lbs. asbestos millboard, opening of July 19.

Schedule 8413, Mare Island, steel plates and angles, opening of July 22.

Schedule 8414, for Mare Island, miscellaneous hose, opening of July 22.

Schedule 8416, eastern and western yards, 110 rms. emery cloth, opening of July 22.

Schedule 8417, for Mare Island, 4300 ft. steel pipe, opening of July 22.

Schedule 8425, for Mare Island, 10,000 ft. white oak, opening of July 22.

Schedule 8427, for Mare Island, 500 gals. insulating varnish, opening of July 26.

Schedule 8428, for Mare Island, 10,000 gals. kerosene oil, opening of July 26.

Schedule 8430, for eastern and western yards, 841 rms. emery cloth, opening of July 22.

Schedule 8431, eastern yards and stations, miscellaneous steaming coal, opening of August 26.

Schedule 8432, eastern yards and stations, miscellaneous mine-run coal, opening of August 26.

Schedule 8433, eastern yards and stations, anthracite coal, opening of August 26.

Schedule 8434, eastern and western yards, compressed oxygen gas, opening of July 19.

Schedule 8435, for Mare Island, 95,000 ft. white ash, opening of July 29.

WASHINGTON, D. C.—Following bids were received June 29 by Bureau of Yards and Docks, Navy Dept., under Specification No. 4442 for steam distribution system at San Diego:

John R. Proctor, 120 Liberty St., New York City, $12,900, 120 days.

Thos. Haverty Co., Los Angeles, Cal., $12,480, 120 days.

C. H. Julien, 1228 2nd St., San Diego, Cal., $8049, 30 days, telegraphic modifications add $2900.

W. C. Merritt Co., 727 7th St., San Diego, Cal., $14,900, 90 days; telegraphic modifications, deduct $5069.

WASHINGTON, D. C. — Bureau of Yards and Docks, Navy Dept., awards contract to Hurley-Mason Co., Seattle, Wash., for constructing two radio towers at Sitka, Alaska, for $22,240; time for completion, 175 days. Work under Specification No. 4445.

HALLS AND SOCIETY BUILDINGS

SEATTLE, Wash.—Architects E. F. Champney and A. H. Albertson, Associated, are preparing preliminary sketches for the proposed new club house for the Women's University Club, estimated cost, $100,000. It will be three stories and basement, masonry Bids will be called about October 1.

Figures to be Taken Shortly.
INDUSTRIAL HOME Cost, $50,000
SAN FRANCISCO. N Harrison 112-6 E Fifth Street.
Three-story and basement reinforced concrete Class C Industrial Home Building.
Owner——Salvation Army Industrial Department, 870 Harrison St., San Francisco.
Architect Norman R. Coulter, 46 Kearny St., San Francisco.

PORTLAND, Ore.—Architects Baker, Vogel, Evans & Roush, Union League Club, Seattle, is commissioned to prepare plans for Portland Settlement Center to be erected at the corner of Front and Carruthers streets. Estimated cost, $100,000. Main building

will be three stories and basement, brick with terra cotta and concrete trimmings, 100x100 feet in size.

HOSPITALS

Plans Being Prepared.
BUILDING Cost, $——
LOS ANGELES. County Hospital.
Three-story & basement reinforced concrete Class A communicable disease bldg. 156x158.
Owner—Los Angeles County.
Architect—Wm. Davidson, Chief County Mechanical Engineer, 10th floor Hall of Records, L. A.

HOTELS

Plans Being Prepared.
HOTEL Cost, $100,000
PASADENA, Los Angeles Co., Cal.
Thirty-sixth room addition to hotel, 4 bungalows, 1250 ft. pergola, swimming pool, etc.
Owner—Hotel Vista del Arroyo.
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.

Contract Awarded.
HOTEL, ETC. Cost, $50,000
FRESNO, Fresno Co., Cal. No. 902 E Street.
Store and hotel building.
Owner—Sunrise Building Cptn.
Architect—Not Given.
Contractor—J. R. Church, 221 North U St., Fresno.

PUBLIC BUILDINGS

Plans Being Prepared.
CITY HALL Cost, $20,000
MADERA, Madera Co., Cal.
Two-story city hall & firehouse & one apt. for living quarters.
Owner—City of Madera.
Architect — Swartz & Ryland, Rowell Bldg., Fresno.

Contract Awarded.
REPAIRS Cost, $——
SAN FRANCISCO. 14th & Mission.
Elevator repairs in State Armory.
Owner—State of California.
Architect—State Engineering Dept.
Contractor — Atlas Elevator Co., 251 Kearny St., S. F.

THE DALLAS, Ore.—Robert Paysee of Boise, Idaho, at $92,788 submits the low bid for constructing municipal auditorium. Second low bidder was Colonial Bld. Co., Spokane, Wash., at $102,068. Houghtaling & Dougan of Portland, Architects.

SAN BERNARDINO, Cal. — J. J. Baker was awarded the general contrac at $25,300 for erecting a 2-story reinforced concrete detention home at the County Hospital site. The wiring was awarded to Field Elec. Co. at $2110 and heating to Pacific Gas Radiator Co. at $1045. Howard E. Jones, Katz Bldg., is the architect. Other bids on the general contract were L. C. Waldman, Riverside, $27,398; A. M. Cook, $28,100.

OAKLAND, Cal.—Until July 25, 10 a. m., bids will be received by Geo. E. Gross, County Clerk, for furnishing and installing metal file in the County Clerk's office. Specifications may be had from Purchasing Agent, Hall of Records Annex, 5th and Broadway, Oakland.

RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, $15,000
SAN FRANCISCO. Sea Cliff.
Two-story & basement brick residence (10 rooms & 2 bathrooms, separate garage).
Owner — K. E. Parker, Clunie Bldg.,
Architect—H. C. Baumann, 251 Kearny

Plans Being Prepared.—To be Done by Day's Work.
DWELLINGS Cost, $4500 each
BURLINGAME, San Mateo Co., Cal. Acacia Drive.
Three 1-story frame and plaster dwellings.
Owner—C. H. Bessett.
Architect—H. C. Baumann, 251 Kearny

Contract Awarded.
DWELLING Cost, $4000
OAKLAND, Cal. 67th Ave. near Flora.
One-story 6-room frame dwelling.
Owner—Jose Correri.
Archt. & Contractor — Arthur Howard Peterson, 433 First Natl. Bank. Bldg., Oakland.

Plans Being Figured—Bids Close July 9, 1921.
RESIDENCE Cost, $16,000
LODI, San Joaquin Co., Cal.
Two-story frame and stucco 8-room residence and separate garage.
Owner—Mrs. Jas. A. Anderson, Lodi.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

Contract Awarded.
RESIDENCE Cost, $38,000
PASADENA, Los Angeles Co., Cal. No. 769 Oak Knoll Ave.
Two-story 10-room frame and plaster residence.
Owner—W. H. Mann.
Architects — Marston & Van Pelt, 600 Chamber of Commerce Bldg., Los Angeles.
Contractor—Daniel Whetstine, 1527 E-Orange Grove Ave., Pasadena.

Plans Being Figured—Bids Close July 9, 1921.
RESIDENCE Cost, $——
PEBBLE BEACH, Monterey Co., Cal.
One-story frame and stucco seven-room residence and garage for 2 machines.
Owner—Pearl Masson.
Architect—John Baur, 251 Kearny St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $9,440
ROSS, Marin Co., Cal. Winship Park.
One-story and basement plaster and tile residence (5 rooms, patio, porch and sleeping porch).
Owner—S. Heiman.
Architect—S. Heiman, 51 Post St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

Plans Being Prepared——Ready for Figures in Ten Days.
RESIDENCES Cost, $6000 each
SAN ANSELMO, Marin Co., Cal. Crescent Avenue.
Two one-story and basement frame residences, 6 rooms and garage. (These are the first of a group of six residences).
Owner—J. C. Raas.
Architect—S. Heiman, 57 Post St., San Francisco.

SAN FRANCISCO.—Bids for electric work for the proposed residence of Fire Chief Murphy have been rejected by the Board of Public Works. Low bid was presented by Globe Elec. Wks. at $1393. John Reid, Jr., City Archt.

Plans Being Figured.
COTTAGE Cost, $——
SAN RAFAEL, Marin Co., Calif.
One-story 6-room frame and stucco cottage.
Owner—Henry Meyer.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Sketches Being Prepared.
RESIDENCE Cost, $18,000
PIEDMONT, Alameda Co., Cal.
Two-story & basement frame & plaster residence & garage (9 rooms & 5 bathrooms).
Owner—Arthur Breed.
Architect — W. H. Ratcliff, Jr., First Natl. Bank Bldg., Berkeley.

Contracts Awarded for Grading and Walks.
ADDITION Cost, $——
PIEDMONT, Alameda Co., Cal. 1101 Ashmont.
Two-story frame addition to residence (8 or 10 rooms).
Owner—Dr. F. M. Loomis.
Architect—Sidney B. & Noble Newsom, Nevada Bank Bldg., S. F.
Construction of walks awarded to H. Andersen at $1380. Grading to be done by day's labor by E. Armstrong, Oakland.

SCHOOLS

SANTA ANA, Orange Co., Cal. — The John Simpson Co., 701 Antonio St., Los Angeles, submitted the lowest bid on general work at (a) $54,450 and (b) $55,000, for a new grade school bldg. on W. 4th St., Santa Ana, F. H. Eley, Santa Ana, architect. S. Hill & Son, Santa Ana, submitted the lowest bid at $3896 on heating. The full list of bids received by trustees follows:

General work — John Simpson Co., (a) $54,450; (b) $55,000; C. McNeill, (a) $60,210; (b) $57,810; G. A. Barrows, (a) $58,408; (b) $55,930; J. Simon Fluoh, (a) $60,432; (b) $59,000; W. E. Allen Co., (a) $62,213; (b) $62,000.

Heating—S. Hill & Son, $3896; Arthur Hess, $4890; Munger & Munger, $4063; J. McFadden, $5110; Pemberton Heating System, $8000; Williams Gas Rad. Co. submitted a bid on its own specifications at $2521. Bids taken under advisement.

LOS ANGELES, Cal. — Alex Grant, 1202 W. 36th Place, L. A., submitted the lowest bid on general work at $91,737 for erection of a new brick school bldg. on Wilton Place school site, plans for which were prepared by business department of board of education. E. A. Lindgreen, 458 Isabel St., L. A., submitted lowest bid at $4055 on painting; E. W. Crowell, 744 San Pedro St., L. A., lowest bid at $7395 on the plumbing; Renard-Stary Elec. Co., 942 W. 7th St., L. A., lowest bid at $3945 on electric wiring. Full list of bids received follows:

General work — Alex Grant, $91,737; W. A. Heitman Const. Co., $96,831.80; Darrell Condley Co., $100,881; Frank Hudson, $103,699; K. R. Bradley Const. Co., $109,700; J. C. Bannister, $110,690; John Simpson & Co., $110,250.

Painting — E. A. Lindgreen, $4055; Arenz-Warren Co., $4622; Alhambra W. P. & P. Co., $4971; D. Zelinsky & Sons, $5000.

Plumbing—E. W. Crowell, $7395; W. W. Brooks, $7725; Arthur Hess, $7900; Thos. Haverty Co., $8175; G. C. Sutton, $8489.

Electric wiring — Renard-Stary Co., $3945; American Elec. Const. Co., $4200; Whalen Elec. App. Co., $4465; C. F. Stetson, $4500.

Heating—Thos. Haverty Co., $11,700; J. Hokom, $11,734; G. C. Sutton, $12,000; Jas. A. Nelson, $12,470; Arthur Hess, $12,561; Munger & Munger, $13,344; Hoagland-Lakin Elec. & Eng. Co.,

$13,646; W. W. Brooks, $14,000; Potter-Strutz Rad. Corp., gas heating system, $8240.

SANTA CLARA, Cal.—The following bids were received on July 5 by the Trustees of Santa Clara High School District for the construction of a one and two-story reinforced concrete school building from plans prepared by Architect W. H. Weeks, 75 Post St., San Francisco. All bids were taken under advisement.

Carpentry and Mill Work

Clinton Const. Co., S. F., (1) $60,460; (2) $64,497; (3) $1391; (4) $320.
Chas. Stockholm & Son, S. F., (1) $57,848; (2) $54,898; (3) $600; (4) $350.
Wm. Martin, S. F., (1) $64,133; (2) $60,233; (3) $1500; (4) $250.
Morrison Bros, Santa Clara, (1) $56,640; (2) $52,040; (3) $1062; (4) $500.
Speidel & Collman, S. F., (1) $60,328; (2) $57,356; (3) $775; (4) $350.
E. Nommensen, San Jose, (1) $81,276; (2) ——; (3) ——; (4) ——.
Barrett & Hilp, S. F., (1) $57,741; (2) $51,882; (3) $1813; (4) $365.

Concrete and Excavation

Clinton Const. Co., (1) $26,469; (2) $20,411; (3) $2576.
Morrison Bros., (1) $26,519; (2) $18,190; (3) $1940.
Barrett & Hilp, (1) $30,787; (2) $23,542; (3) $3292.
Wm. Martin, (1) $30,869; (2) $21,610; (3) $2525.
E. Nommensen, (1) $32,000; (2) $24,500; (3) $4000.
Chas. Stockholm & Son, (1) $33,355; (2) $25,565; (3) $1450.

Masonry

Clinton Const. Co., (1) $958; (2) $70; (3) $11,544; (a) $1370; (b) $2195.
F. Gardiser, San Jose, (1) $2499; (2) $45; (3) $17,512; (a) $667; (b) $2432.

Lathing and Plastering

J. J. McLeod, S. F., (1) $12,581; (2) $9208; (3) $286.
Francis O'Reilly, S. F., (1) $13,467; (2) $10,643; (3) $555.
Leonard Bosch, S. F., (1) $14,000; (2) $11,350; (3) $600.
Phil Hepple, (1) $15,219; (2) $13,016; (3) $723.
Chas. Terranova, S. F., (1) $15,400; (2) $12,500; (3) $875.
Peter Bradley, S. F., (1) $15,846; (2) $12,386; (3) $550.
Barrett & Hilp, S. F., (1) $16,775; (2) $12,825; (3) $750.
C. C. Morehouse, S. F., (1) $16,850; (2) $13,176; (3) $861.
Provenzno, Santa Clara, (1) $19,815; (2) $17,480; (3) $852.92.

Concrete, Masonry and Carpentry

Chas. Stockholm & Son, $90,203.
Wm. Martin, $95,002.
E. Nommensen, $113,276.

Heating and Ventilating

Carl T. Doell, (1) $14,324; (2) $2095; (3) $840; (4) $1358.
Scott Co., (1) $14,420; (2) $2295; (3) $960; (4) $1970.
J. E. O'Mara, (1) $14,737; (2) $2374; (3) $944; (4) $1000.
J. M. Lettich, (1) $15,180; (2) $2271; (3) $791; (4) $1110.
Turner Co., (1) $15,340; (2) $2280; (3) $1080; (4) $1340.
F. Studer, (1) $16,507; (2) $2375; (3) $740; (4) $1058.

Painting

R. Zelinsky, S. F., (1) $6480; (2) $6080; (3) $85; (4) $550.
Zeb Knott, (1) $7900; (2) $7290; (3) $100; (4) $700.
Wm. Loos, (1) $7980; (2) $7725; (3) $240; (4) $280.
Hermon & Son, (1) $10,000; (2) $9380; (3) $160; (4) $640.

Iron and Steel

Brodie Iron Works, (1) $2180; (2) $50; (3) $330.
Shrader Iron Works, (1) $2273; (2) $213; (3) $368.

Hardware

San Jose Hardware Co., (1) $2590; (2) $120.
Huntley & Mahoney, S. J., (1) $3000; (2) $140.
Baker Hamilton, S. F., (1) $4680; (2) $70.
A. E. Roll, (1) $—— ; (2) $137.

Special Equipment

Pacific Mfg. Co., S. F., $15,250.
L. & E. Emanuel, S. F., $16,050.

Clock System

Pacific Elec. Time Co., S. F., $1095.
Standard Elec. Clock Co., S. F., $1175.

Plumbing

Carl T. Doell, Oakland, (1) $6369; (2) $131.
Turner Co., (1) $7560; (2) $90.
Christensen & Anderson, (1)$9534; (2) $325.
J. O'Mara, (1) $7500; (2) $225.
Scott Co., $(1) $9871; (2) $213.
A. E. Roll, (1) $7004; (2) $284. $6948; $6865.
W. F. Sarfa, (1) $8667; (2) $185. $8647.

Electric Work

H. C. Reed, San Jose, (1) $8050; (2) $170.
Berkeley Elec. Co., (1) $8325; (2) $135.
Turner Co., (1) $8840; (2) $135.
M. E. Ryan, (1) $8352; (2) $100.
Butte Elec. Mfg. Co., (1) $9262; (2) $96.
Century Elec. Co., (1) $9920; (2) $172.
Kohlwey-Smith Co., (1) $10,234; (2) $120.

Blackboards

Waterhouse & Wilcox Co., $1065.

Linoleum

D. N. & E. Walter Co., S. F., (1) $1978; (2) $115.
Madson Finn Co., San Jose, (1) $2265; (2) $——.
W. & J. Sloane, S. F., (1) $2319; (2) $218.

Window Shades

W. & J. Sloane, $1329.85.
D. N. & E. Walter Co., $1610.

Fibrestone Flooring

Water-Wilcox Co., S. F., $475.
Fibrestone Roofing Co., $650.

Roofing

Richmond Roofing Co., (1) composition, $1160; (2) tile, $6100.
W. J. Bender, (1) $1223; (2) $——.
Fibrestone Roofing Co., (1) $1230; (2) $6000.
Alta Roofing Co., (1) $1248; (2) $——.
Gladding-McBean Co., (1) $——; (2) $6325.

Sheet Metal Work

Guilfoy Cornice Works, S. F.....$3242
Forderer Cornice Co., S. F..... 3282
Garden City Sheet Metal Works.. 3325
Heidt Cornice Works., S. F..... 3584
Christensen & Anderson 3830

LOS ANGELES, Cal.—Frank Hudson, Higgins Bldg., L. A., submitted the lowest bid at $20,786 on general work for 2-story brick addition to Budlong Ave. School, plans by Architects Alfred W. Rea and Chas. E. Garstang, 903 Trust & Savings Bldg., L. A. The Hoagland-Lakin Elec. & Eng. Co., 1707 Naud St., L. A., submitted lowest bid at $2050 on heating; Renard-Stary Elec. Co., 942 W. 7th St., L. A., was lowest bidder at $664.50 on electric wiring; Arenz-Warren Co., 2121 W. Pico St., L. A., was lowest bidder at $1290 on painting. The full list of bids received follows:

General work — Frank Hudson, $20,786; Alex Grant, $20,900; Escherich Bros., $23,385.

Heating — Hoagland-Lakin Elec. & Eng. Co., $2050; Arthur Hess, $2150; Thos. Haverty Co., $2215.

Electric wiring — Renard-Stary Co., $664.50; B. R. Hensel, $732; American Elec. Const. Co., $770.

Painting — Arenz-Warren Co., $1290; Alhambra W. P. & P. Co., $1393.

LOS ANGELES, Cal.—Frank Hudson, Higgins Bldg., L. A., submitted the lowest bid at $61,582 on general contract for erection of a 2-story brick school bldg. on Buchanan St. school site, Montgomery & Nibecker, Story Bldg., L. A., architects. Thos. Haverty Co., 8th and Maple Ave., L. A., was lowest bidder at $4690 on heating; Renard-Stary Elec. Co., 942 W. 7th St., L. A., lowest bidder at $1595 on electric wiring; E. W. Crowell Co., 744 San Pedro St., L. A., lowest bidder at $4590 on plumbing; D. Zelinsky & Sons, 729 W. 9th St., L. A., lowest bidder at $2190 on painting. The full list of bids follows:

General work — Frank Hudson, $61,582; Darrell Condley Co., $65,438; Myers Land Co., $66,950; John B. Dawson, $67,950; B. D. Kronnick, $68,719

Heating — Thos. Haverty Co., $4690; J. Hokom, $4897; Arthur Hess, $5170; Munger & Munger, $5190.

Electric wiring—Renard-Stary Elec. Co., $1595; B. R. Hensel, $1621; C. F. Stetson, $1869; American Elec. Const. Co., $1885.70.

Plumbing—E. W. Crowell Co., $4590; Arthur Hess, $4825; Thos. Haverty Co., $4965; G. C. Sutton, $5532.

Painting—D. Zelinsky & Sons, $2190; Alhambra W. P. & P. Co., $2391; Arenz-Warren Co., $2473.

Commissioned to Prepare Plans.

SCHOOL Cost, $150,000
ORANGE, Orange Co., Cal.
School building.
Owner—Orange High School District.
Architect—Allison & Allison, Hibernian Bldg., L. A.

Bids to be Called Shortly.

SCHOOL Cost, $36,000
SAN JOAQUIN, Fresno Co., Cal.
One-story concrete & brick 4-room school.
Owner—San Joaquin School District.
Architect — Ernest J. Kump, Rowell Bldg., Fresno.
Building will have cement exterior finish; Spanish tile roof.

Completing Plans.

SCHOOL Cost, $25,000
GILROY, Santa Clara Co., Cal.
One-story frame school.
Owner—San Ysidro School District.
Architect — Wyckoff & White, 328½ Main St., Salinas.

Plans Being Figured—Bids Close July 15, 1921, 2 p. m.

HEATING Cost, $——
ELK GROVE, Sacramento Co., Cal.
Heating system including complete oil burning equipment for 1-story grammar school.
Owner — Elk Grove Union Grammar School District, J. H. Kerby, Clerk.
Architect—W. H. Weeks, 75 Post St., S. F.
Plans may be obtained from the architect's office on a deposit of $25 or from the office of the board at Elk Grove.
(38055) 1st report Feb. 11, 1921, 4th May 11, 1921.

All Bids Rejected—New Bids to be Called For.

GYMNASIUM, ETC. Cost, $25,000
SONORA, Tuolumne Co., Calif.
Two-story reinforced concrete gymnasium and auditorium.
Owner—Sonora High School District.
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
All bids received on July 1st were re-

jected. Plans will be revised and new bids called for. The lowest bid was submitted by Tornell & Son of Turlock at $38,800.

Plans Being Figured—Bids Close July 18, 1921, 12 Noon.
SCHOOL Cost, $——
SOUTH PASADENA, Los Angeles Co.
Eight-room brick grade school.
Owner—South Pasadena School District.
Architects—Frank D. Hudson and W. A. O. Munsell, 443 Douglas Bldg., Los Angeles.
Bids will be taken separately on a general contract, plumbing, painting and heating.

Plans Being Figured—Bids Close July 15, 2 p. m.
HIGH SCHOOL Cost, $60,000
CAPISTRANO, Orange Co., Cal.
High school.
Owner—Capistrano Union High School District.
Architect—Theo. C. Kistner, 307 Central Mortage Bldg., San Diego.
Plans may be obtained from Guy Williams, Clerk, at Capistrano.

Plans Being Figured—Bids Close July 9, 2 P. M.
SCHOOL Cost, $——
YREKA, Siskiyou Co., Calif.
Frame school building.
Owner—Dwinnell School District. J. C. Borba, W. J. Trivelpiece and J. L. Knight, Trustees.
Architect—Not Given.
Bids must be accompanied by certified check for 10%. Plans on file in office of County Superintendent of Schools at Yreka.

Plans Being Revised.
AUDITORIUM Cost, $16,000
RIPON, San Joaquin Co., Calif.
Two-story frame and stucco auditorium and gymnasium building.
Owner—Ripon High School District.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

Plans Being Figured—Bids Close July 6, 1921, 2 p. m.
HEATING Cost, $——
ELK GROVE, Sacramento Co., Cal.
Heating system (complete oil burning equipment for 2-story high school)
Owner—Elk Grove Union High School District (S. R. Gage, Clerk)
Architect—W. H. Weeks, 75 Post St., S. F.
Plans may be obtained from the architect's office on a deposit of $25 or from the office of the board at Elk Grove.
(35099) 1st report June 11, 1920; 7th,

Contract Awarded.
ALTERATIONS Cost, $——
MADERA, Madera Co., Calif.
Remodeling and additions for high school.
Owner — Madera Union High School District, G. M. Shedd, Secretary, Madera.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Paulsen & Stange, 2225 Fresno St., Fresno.
Following is a complete list of bids received:
Brown & Stafford, Madera (1) remodeling and new work, $27,456; (2) construction of machine shop only, $10,605.
J. B. Hart, Fresno (1) $32,088; (2) $14,676.
Paulson & Stange, Fresno (1) $26,500; (2) $7,500.
Barkelew & Gould, Tulare (1) $24,238; (2) $9,763.

Plans Being Figured—Bids Close July 25, 1921, 2 P. M.
BUILDINGS ,ETC. Cost, $200,000
LANCASTER, Los Angeles Co., Cal.
Two reinforced concrete buildings, connecting colonades and alterations and additions to present school buildings.
Owner—Antelope Valley Union High School District.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.

TUCSON, Ariz.—J. J. Garfield has been awarded the general contract at $100,000 for four buildings for state school for the deaf at Tucson. Heating and ventilating was let to T. P. Lund of Prescott at $20,300; plumbing to C. A. Smith at $9295; and electric $4434.44. Lyman & Place of Tucson, Architects.

Plans Being Figured—Bids Close July 21, 1921, 7:30 P. M.
ALTERATIONS Cost, $——
PALO ALTO, Santa Clara Co., Cal.
Remodeling classroom No. 3 in intermediate school; separate bids for repairs and additions to plumbing system.
Owner—Palo Alto City School District, A. C. Barker, Secretary, 595 Channing Ave., Palo Alto.
Architect—Chas. K. Sumner, 57 Post Ct., San Francisco.
Certified check for $100 must accompany each bid. Plans may be had from the architect or from the Secretary.

Plans Being Figured—Bids Close July 21, 7:30 P. M.
REPAIRING, ETC. Cost, $——
PALO ALTO, Santa Clara Co., Calif.
Replacing smokestack and repairing heating system in intermediate school.
Owner—Palo Alto City School District, A. C. Barker, Secretary, 595 Channing Ave., Palo Alto.
Engineers—Leland & Haley, 58 Sutter St., San Francisco.
Certified check for $100 required with each bid. Plans may be had from the Secretary or from the engineers.

REEDLEY, Fresno Co., Cal.—Until July 16, 2 P. M., bids will be received by A. Winter, Clerk, Windsor School District, Box R. A. 169, Reedley, Calif., for constructing an addition, 20x30 ft., to the Windsor school in Tulare County. Specifications may be had from the clerk.

Plans Being Prepared.
GYMNASIUM Cost, $80,000 to $90,000
TAFT, Kern Co., Cal. Conley School District.
One-story brick & concrete gymnasium
Owner—Conley High School.
Architect — Orville L. Clark, Brower Bldg., Bakersfield.
Plans will be ready for figures in about six weeks.

Plans Being Figured—Bids Close July 20, 11 A. M.
SCHOOL Cost, $15,000
CLOVIS, Fresno Co., Cal. Six miles east of Clovis on Rudy Fig Farm.
One-story two-room concrete school, tile roof, maple floors, hot water system.
Owner—Redbanks School District, G. E. McFaden, Clerk, P. O. Box 446, Clovis, California.
Architects—Coates & Traver, Rowell Bldg., Fresno, Calif.
Bids will be received for a general contract. Separate bids for plumbing and heating.

LOS BANOS, Merced Co., Cal.—Until July 26, 10 A. M., bids will be received by H. L. Menjoulet, Clerk, Volta School District, for remodeling Volta school building. Certified check for 10% required with each bid. Plans may be had from clerk at Los Banos.

Plans Being Figured—Bids Close July 19, 7:30 P. M.
ALTERATIONS Cost, $——
MADERA, Madera Co., Cal.
Alterations and additions for school.
Owner—Madera High School District, G. M. Shedd, Secretary, Madera.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Segregated bids will be taken as follows:
Item 1—Machine Shop, including grading for floor, tool room, and necessary opening in wall to connect with bench room: Including also the removal of the windows in that wall, and the necessary bricking up to fill unnecessary openings thus made; but not including cement floor, pit, and exterior sidewalks, nor electric wiring.
Item 2.—Outside wall and roof for that addition to present building which includes kitchen, dining room, Instructors' Office, etc.; also removal of all windows at present in north and south walls of room marked "Lunch Room," and their use in other places where called for in the plan, such windows as are not used remaining the property of the owners; also the finishing of all openings on the four sides of this addition as shown in the plan, including the furnishing and setting of doors, etc., new wood work to be painted in accordance with the specifications.
Item 3.——All electric wiring, (except fixtures) needed to complete the whole of the construction shown in the architects' plans and specifications; except that in the addition mentioned under (2) above, enough wires of sufficient length to complete the job are to be run as near as possible to the locations of the finished outlets as shown, and attached there in a safe and secure manner for use when the building is completed.
Item 4. — All cement sidewalks, floors, pit, passage, steps, etc., as shown and specified, except the areas in front of basement windows.

SAN LUIS OBISPO, Cal.—Sealed bids will be received by the Board of Education of the San Luis Obispo High School District for the installing of modern plumbing and showers in the basement together with construction of partition connected therewith in accordance with specifications on file in the office of the City Superintendent of Schools. Bids will be opened at a regular meeting of the Board to be held at 8:00 P. M., July 15th, 1921, in the High School building. The right to reject any and all bids is reserved. Ruth Merritt, Clerk of Board.

ALTURAS, Modoc Co., Cal.—George Fordyce of Fort Bidwell and Frank Kerr of Cedarville, at $8,350 were awarded a contract for constructing a school building at Lake City. Structure will be one story in height of stone construction.

Plans Being Prepared.
HIGH SCHOOL Cost, $115,000
SONOMA, Sonoma Co., Cal.
Two-story reinforced concrete brick high school (about 20 classrooms and an auditorium).
Owner—Sonoma High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Bonds have been voted.

Plans Being Prepared.
SCHOOL Cost, $45,000
PLACENTIA, Orange Co., Cal.
One-story tile school (4 rooms & an auditorium).
Owner — Placentia-Richfield Grammar School District.
Architect — Arthur W. Angel, 5521 Central Ave., L. A.

(Continued on page 15)

Official Proposals

BIDS WANTED FOR HIGH SCHOOL

(One-Story Concrete, 16 Rooms and Auditorium Structure)

NOTICE TO BUILDING CONTRACTORS

The Trustees of the Pacific Grove School District will receive sealed proposals up **until 7:30 P. M.,** on the **15th day of July, 1921,** at the office of the Board at the Pacific Grove High School Building, Pacific Grove, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for erecting and completing a proposed new Grammar School Building in accordance with plans and specifications prepared therefor by Arthur W. Angel, Achitect, 565 Lighthouse Ave., Pacific Grove, California. Bids will be received separately for the different segregated contracts as follows:

1. General Contract Work.
2. Plumbing Contract Work.
3. Heating Contract Work.
4. Program Clocks.

A cashier's or certified check or Surety Co. Bid bond for an amount not less than 5% of amount of bid shall accompany each proposal, drawn payable to the order of J. J. Williams, Clerk of said Board of Trustees, as a guarantee that the bidder will, after being notified of the acceptance of his bid, enter into a contract with said Board of Trustees, in accordance therewith and shall furnish Surety bonds as required by the specifications. Said check or bidder's bond to be forfeited to the said School District should the bidder fail to execute contract and furnish bonds as above mentioned.

All bids to be made out on forms similar to that inclosed in the specifications.

Plans and specifications for the above work may be seen and secured at the office of the Architect.

A deposit of $10.00 will be required from contractors receiving plans, said deposit to be refunded when plans and specifications are returned in good condition.

The said Board of Trustees reserves the right to reject any or all bids and to waive any informality in any bid received.

By order of the Board of Trustees of the Pacific Grove School District, Pacific Grove, California.

H. G. JORGENSEN, President.
J. J. WILLIAMS, Clerk.
O. E. CHASE, Trustee.

Dated June 8, 1921.

BIDS WANTED FOR SHEET METAL, ROOFING, ETC.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Roofing Work, including: Steel Metal Work, Slate and Composition Roofing, for the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Roofing Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum or ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Roofing Work of San Francisco State Building, Civic Center, San Francisco, California."

(Signed) W. F. McCLURE,
State Engineer.

BIDS WANTED FOR TILE WORK

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Tile Work, Including: Cork Tile, for the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Tile Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Tile Work of San Francisco State Building, Civic Center, San Francisco, California."

(Signed) W. F. McCLURE,
State Engineer.

BIDS WANTED FOR CARPENTER, MILL WORK, PLASTERING, ETC.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Finish Work, including: Carpenter Work, Mill Work, Glass and Glazing Work, Tile Partitions, Metal Lath Work, Plastering Work, for the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Finish Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Finish Work of the San Francisco State Building, Civic Center, San Francisco, California."

(Signed) W. F. McCLURE,
State Engineer.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

State of California

California Highway Commission

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Bldg., Sacramento, Cal., **until 2 o'clock p. m., on July 18,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Siskiyou County, between Upton and southerly boundary (II-Sis-3-A), about 10.4 miles in length, to be paved either with Portland cement concrete or bituminized macadam.

Sonoma County, between Cloverdale and Healdsburg (IV-Son-1-A), about 16.1 miles in length, to be paved either with Portland cement concrete or asphalt concrete.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON
CHAS. A. WHITMORE,
GEO. C. MANSFIELD
California Highway Commission
AUSTIN B. FLETCHER,
Highway Engineer.
JOHN F. GALVIN,
June 20, 1921 Secretary.

BIDS WANTED FOR MARBLE AND TERRAZZO WORK

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Marble Work, Including Terrazzo Work, for the San Francisco State Building, Civic Center, San Francisco, California, in accord-

with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Marble Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum or ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids to and waive any informailty in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Marble Work of San Francisco State Building, Civic Center, San Francisco, California."

(Signed) W. F. McCLURE,
State Engineer.

BIDS WANTED FOR SCHOOL

(Four Rooms and Auditorium Brick Structure)

NOTICE TO CONTRACTORS

The Board of Trustees of The Great Western Grammar School District, Reedley, California, will receive sealed bids **up until 2 o'clock P. M., July the 16th,** at the Fink Grammar School Building, near Reedley, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new Grammar School Building in accordance with plans and specifications prepared therefore by Anton Johnson, of Kingsburg, California. Bids will be received separately for the different segregated contracts, as follows:

Contract No. 1.—For the Excavating, Concrete, Carpenter Work, Millwork, etc.

Contract No. 2.—For Masonry Work and Terra Cotta.

Contract No. 3.—For all Sheet Metal Work.

Contract No. 4.—For Composition Roofing.

Contract No. 5.—For Lathing and Plastering.

Contract No. 6.—For Furnishing and Placing of Blackboards.

Contract No. 7.—For the Painting.

Contract No. 8.—For Plumbing and Sewering.

Contract No. 9.—For Electrical Work

Contract No. 10.—For the Heating and Ventilating.

Certified check for an amount not less than ten per cent (10%) of amount of bid should accompany each proposal, made payable to the order of Mr. M. M. Chamberlain, Clerk of the Great Western Grammar School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said Grammar School Board in accordance therewith, and shall furnish bonds as required by the specifications. Said check to be forfeited to the said Grammar School District should the bidder refuse to execute Contract and furnish bond as above mentioned.

Plans and Specifications for all the above work may be seen in the office of Anton Johnson, Kingsburg, California.

A deposit of $10.00 will be required from all Contractors receiving plans. Said deposit will be refunded when plans and specifications are returned in good condition.

By order of the Board of Trustees, Great Western Grammar School District, Reedley, California, by Mr. M. M. Chamberlain, Clerk of the Board of Trustees of Great Western Grammar School District.

M. M. CHAMBERLAIN.

Dated June 21st, 1921.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

State of California

California Highway Commission

NOTICE TO CONTRACTORS

SEALED PROPASALS will be received at the office of the California Highway Commission, 515 Forum Bldg., Sacramento, Cal., **until 2 o'clock p. m., on July 25,** at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Humboldt County across Bear Gulch, near Garberville (I-Hum-1-B), a reinforced concrete bridge about 247 ft. long having a main arch span of 123 ft. in the clear, and two approaches, one of three girder spans of about 23 ft. each, and one of one girder span of about 24 ft., with the necessary abutments, piers and retaining walls.

Siskiyou County (II-Sis-3-B) three reinforced concrete girder bridges as follows: Across Parks Creek near Weed, a bridge consisting of two spans of 32 ft. each; across Willow Creek near Gazelle, a bridge consisting of two spans of 32 ft. each; across Shasta River near Edgewood, a bridge consisting of two spans of 40 ft. each, together with the necessary piers and abutments for each bridge.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHAS. A. WHITMORE,
GEO. C. MANSFELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
JOHN F. GALVIN,
Secretary

June 27, 1921

CORCORAN GRAMMAR SCHOOL BUILDING

NOTICE TO CONTRACTORS

The Board of Trustees of the Corcoran Grammar School District, Corcoran, California, will receive sealed proposals **up to July 20th, 12 o'clock Noon, 1921,** at the office of Strong & Dapron, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new grammar school building in accordance with plans and specifications prepared therefor by Renfro & Michael, Architectural Designers and Engineers, Room 10, First National Bank Building, Porterville, California. Bids will be received for the different contracts as follows:

Contract No. 1. Excavation, Concrete, Masonry, Iron Work, Tile Roofing, Composition Roofing, Interior and Exterior Plastering, Blackboards, Painting and Carpenter Work.

Contract No. 2. Sheet Metal Work, Plumbing, Heating, Pipe Railing and Sewer, Etc.

Contract No. 3. Electric Wiring and Fixtures.

Cashier's or certified check for bidder's bond for an amount not less than five per cent (5%) of amount of bid shall accompany each proposal, drawn payable to the order of Lotta Drown, Clerk of the Board of Trustees, Corcoran Grammar School District, as a guarantee that the bidder will within ten (10) days after being notified of the acceptance of his bid, enter into contract with said Grammar School Trustees in accordance therewith, and shall furnish the surety bonds as required by the specifications. Said check or bond to be forfeited to the said Grammar School Trustees should the bidder fail to execute contract and furnish bond as above mentioned.

All bids to be made out on forms furnished by Renfro & Michael, Architects.

Plans and specifications for all the above work may be seen at the office of Renfro & Michael, First National Bank Building, Porterville, California.

The said Grammar School Board reserves the right to reject any or all bids, and to waive any informality in any bid received.

By order of the Board of Trustees, Corcoran Grammar School District, Corcoran, California.

Dated, June 24th, 1921.

By LOTTA DROWN, Clerk,
Board of Trustees, Corcoran Grammar School District.

BIDS WANTED FOR GYMNASIUM

NOTICE TO CONTRACTORS

Sealed bids will be received by the Secretary of the Board of Education of the City of Oakland, at his office at the City Hall, Oakland, California, until **Monday, the 18th day of July, 1921, at 3 o'clock P. M.** of said day, the day when said bids will be opened, for the erection and completion of a Girl's Gymnasium Building at the Oakland Technical High School of the Oakland High School District, located at 45th and Broadway, Oakland, Cal.

Separate bids will be received (1) for the general work, (2) lathing and plastering, (3) steel lockers, (4) plumbing work, (5) heating work, and (6) for electrical work.

Plans and specifications for said work are on file at the office of the Secretary of the Board of Education and at the office of the Chief of Construction, 357 12th St., Oakland, Calif.

On a deposit of Twenty-five Dollars ($25.00) complete sets of said plans and specifications may be had by any prospective bidder. These may be retained for a period of fourteen (14) days by the General Contractors and for a period of seven (7) days by the lathing and plastering, steel lockers, plumbing, heating and electrical work contractors. If these plans and specifications are not returned within said period, or if they be mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said detention and mutilation.

Bids must be made on proposals obtained at the office of the Chief of Construction, and be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to Lloyd D. Barzee, Secretary of the Board of Education, to be retained by the said School District as agreed and liquidated damages should the party or parties to whom the contract should be awarded fail to enter into the contract after the award, or to give bonds required for the faithful performance of the contract, or any bond required by law.

Bids will be opened by the Board of said district on Monday, July 18, 1921, at the hour of 5:00 P. M., in the Board Room, 211 Second Floor of said City Hall in said City of Oakland.

The Board reserves the right to reject any or all bids.

LLOYD D. BARZEE,
Secretary of the Board of Education.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

The Board of Trustees of the Riverview Union School District, Reedley, Calif., will receive sealed bids on or before **2 o'clock P. M., July the 18th,** at Riverside Grammar School Building, near Reedley, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new Grammar School Building in accordance with plans and specifications prepared therefore by Anton Johnson, of Kingsburg, California.

Bids will be received separately for the different segregated contracts, as follows:

Contract No. 1—For the Excavating, Concrete, Carpenter Work, Millwork, etc.

Contract No. 2—For Masonry and Hollow Tile Work.

Contract No. 3—For Tile Roofing.

Contract No. 4—For all Sheet Metal Work.

Contract No. 5—For Lathing and Plastering.

Contract No. 6—For Furnishing and Placing of Blackboards.

Contract No. 7—For the Painting.

Contract No. 8—For the Plumbing and Sewering.

Contract No. 9—For Electrical Work

Contract No. 10—For the Heating and Ventilating.

Certified check for an amount not less than ten per cent (10%) of amount of bid should accompany each proposal, made payable to the order of Mr. J. R. McCahill, Clerk of the Riverview Grammar School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said Grammar School Board in accordance therewith, and shall furnish bonds as required by the specifications. Said check to be forfeited to the said Grammar School District should the bidder refuse to execute contract and furnish bond as above mentioned

Plans and specifications for all the above work may be seen in the office of Anton Johnson, Kingsburg, California.

A deposit of $10.00 will be required from all Contractors receiving plans. Said deposit will be refunded when plans and specifications are returned in good condition.

By order of the Board of Trustees, Riverview Grammar School District, Reedley, Calif., by Mr. J. R. McCahill, Clerk of the Board of Trustees of the Riverview Union School District.

Dated July 1st, 1921.

GOOD ROADS MOVEMENT

(Continued from page 7)

of Congress approved March 3, 1893, established the Office of Road Inquiry to investigate systems of road management throughout the United States.

The automobile was introduced from 1895 to 1900, giving the movement an impetus that pushed it far to the front. The introduction of the motor truck in 1904 sent it forward to even greater heights. The following year New York State took the lead by appropriating $50,000,000 for good roads. In 1912 the first Federal Aid Convention was held by the American Automobile Assn. at Washington and Congress established a joint committee to go into the whole field of Government participation in road work. That year, too, Congress appropriated $500,000 for improvement of selected post roads. Individual local and State highway officials established in office in the meantime, began their agitation. New Jersey established the first State highway commission in 1892, and Massachusetts followed in 1893, not only with a commission but a State highway system. Today 48 states have highway departments.

Many national organizations sprang up, chief among which were the American Highway Assn., the American Road Builders' Assn., the Automobile Chamber of Commerce, the American Assn. of State Highway Officials, the Associated Highways of America, the Federal Highways Council, National Highway Traffic Assn., the National Highways Assn., the National Park Touring Assn., the United States Good Roads Assn., the Public Land States Highways Assn., the Tri-State Good Roads Assn. the Canadian Good Roads Assn. and others.

Of the agencies that are now fighting for highway improvement, 56 are organized movements for the construction of certain national or interstate highways, 15 are national or interstate good roads associations, 34 are State organizations, 304 are automobile associations and motor clubs, 260 are road contractors, material or machinery trade associations and engineering societies, 32 are motor truck and automobile trade organizations and 131 agencies are publications devoted to the movement in one form or another. In addition, there are 735 chambers of commerce, merchants' associations and boards of trade having good roads committees and 135 national trade or industrial associations having standing committees which frame the policies of those organizations in matters pertaining to highway improvement.

Interest on the part of nearly 10,000,000 automobile and truck owners as well as the owners of 6,000,000 teams of horses and mules regularly using or working on the highways, not to mention the smaller numbers of Federal, State, county, district and municipal highway officials, engineers, contractors, manufacturers of machinery and materials, rural mail carriers, resort owners, farmers, merchants, real etstate dealers, motorcyclists, bicyclists and others directly interested, has given to the movement strength so great that no politician, national, State or local, dare refuse to listen when there is an honest demand for road improvement. At least 30,000,000 Americans are now advocates of good roads.

SCHOOLS

(Continued from page 12)

Plans Being Prepared.
HIGH SCHOOL Cost, $ ——
LOS ANGELES. Pico St. bet. Ardmore & Harvard Blvd.
Two-story and basement Class A reinforced concrete & brick high school 242x130 (16 rooms, auditorium, etc.)
Owner—Roman Catholic Bishop of Los Angeles & Monterey.
Architect — A. C. Martin, 430 Higgins Bldg., L. A.
The school will be known as the Conaty Memorial High School.

Figures to be Taken Shortly.
SCHOOL Cost, $50,000
SOQUEL, Santa Cruz Co., Cal.
One-story reinforced concrete school (6 rooms).
Owner—Soquel School District.
Architect—Wm. H. Weeks, 75 Post St., San Francisco.

Commissioned to Prepare Plans.
SCHOOLS Cost, $150,000
HAYWARD, Alameda Co., Cal.
Two 1 and 2-story reinforced concrete schools (4 & 10 rooms & auditorium each).
Owner—Hayward Grammar School Dist
Architect—Henry C. Smith, Humboldt Bank Bldg., S. F.

PATTERSON, Stanislaus Co., Cal.—The Trustees of the Patterson Grammar School District opened bids on July 7th, and awarded contracts as follows for the construction of a two-story interlocking tile school building. The awards were made on the alternates. Plans were prepared by Architects George C. Sellon Co., Mitau Bldg., Sacramento.

Carpentry and Masonry
Earle Hibbard, Patterson.....$31,363
Lathing and Plastering
Thos. Scollan, 2919 T St., Sacto...$6,297
Painting
Schneider, Chappel & Jones, 615 J St., Sacramento.....$1,369
Roofing
Simpson Gray Lumber Co.....$3,255
Mechanical Equipment
Latourrette-Fical Co, Sacto.....$6,150

Plans Being Figured.
DINING HALL Cost, $——
LOS ANGELES. Sixteenth Street and Western Avenue.
Hollow tile dining hall, 37x103 with wing, 36x43.
Owner—Harvard Military Academy.
Architect——Reginald Johnson, 100 E. Colorado St., Pasadena.

Bids Rejected—Work to be Done by Day's Labor.
SCHOOL Cost, $——
PITTSBURG, Contra Costa Co., Cal.
Concrete oil tank for primary school.
Owner—Pittsburg School District.
Architect — Wm. C. Hays, First Natl. Bank Bldg., S. F.
The lowest bid was submitted by Cahill-Vensano Co. at approximately $1330.

Plans Being Figured—Bids Close July 22, 6 P. M.
ADDITION Cost, $——
HANFORD, Kings Co., Calif.
Construction of addition to school.
Owner—Youd School District, Ed. Vickers, Clerk, Box 305, Route C, Hanford, Calif.
Architect—Not Given.
Certified check for 10% required with each bid. Plans may be had from Clerk or may be seen in the office of the County Superintendent of Schools at Hanford.

Bids Opened.
HEATING Cost, $——
ELK GROVE, Sacramento Co., Cal.
Heating system (complete oil burning equipment for 2-story high school)
Owner—Elk Grove Union High School District (S. R. Gage, Clerk).
Architect—W. H. Weeks, 75 Post St., San Francisco.
Latourrette-Fical Co., Sacramento (1) $5731; (2) $11,463.
Mechanical Eng. Equip. Co., Sacto. (1) $6035; (2) $12,058.
Scott Co., San Francisco. (1) $6060; (2) $11,620.

Plans Being Figured—Bids Close July 21, 3 P. M.
SCHOOL, ETC. Cost, $——
BAKERSFIELD, Kern Co., Calif.
Construction of frame school house and teacherage.
Owner—Munzer School District, D. J. Lloyd, Clerk.
Architect—J. M. Saffell, Bakersfield.
Bids will be received at the same time for furnishing and installing a stage curtain. Certified check for 10% payable to Clerk required with each bid. Plans may be had from the office of the architect.

Bids to be Called Shortly.
ADDITION Cost, $20,000
TULARE, Tulare Co., Calif.
Four-room addition to high school.
Owner— Tulare Joint Union High School District.
Architect—J. R. Henderson, Tulare.

Plans Being Figured—Bids Close July 22, 8 p. m.
ADDITION Cost, $——
MODESTO, Stanislaus Co., Cal.
Additions to grammar school bldg.
Owner—Jones Grammar School Dist., O. S. Moore, Clerk.
Architect—Wright & Satterlee, Bank of Italy Bldg., Stockton.
Certified check for 5% payable to Clerk required with each bid. Plans may be had from architects or from Clerk on deposit of $10, returnable.

Plans Being Figured—Bids Close July 28, 8 P. M.
ADDITION Cost, $——
OAKDALE, Stanislaus Co., Calif.

Construction of two-room addition to school.
Owner—Oakdale Union School District Mabel Sivley, Clerk, Oakdale.
Architect—Not Given.
Bonds to finance construction were voted at a recent election. Plans may be seen at the office of the Superintendent in the Grammar School Bldg., Oakdale.

STORES AND OFFICES

Plans Being Figured.
BUILDING Cost, $——
LOS ANGELES, NE 11th & Los Angeles Streets.
Five-story basement & mezzanine reinforced concrete bldg. 51x140x60.
Owner—House of Props.
Architect—Walker & Eisen, 326 Pacific Finance Bldg., L. A.

Steel Contract Awarded.
DEPT. STORE. Cost, $200,000
SANTA ROSA, Sonoma Co., Cal. Fourth St. and Mendocino Ave.
Five-story Class A reinforced concrete department store and office bldg.
Owner—Max Rosenberg.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
The steel has been awarded to the Central Iron Works,, 2050 Bryant St. Figures on the balance of the work will be taken shortly.

Plans to be Prepared.
OFFICE BLDG. Cost, $——
OAKLAND, SW 15th & Franklin.
Two-story & basement reinforced concrete or brick office bldg.
Owner — Oakland Title Insurance & Guarantee Co., 1308 Broadway, Okd.
Architect—Not selected.
An architect will be selected in a few days.

Permit Applied for.
STORES Cost, $30,000
SAN FRANCISCO, S Sutter 85 W Taylor.
One-story & basement brick stores.
Owner—H. B. Johnson.
Architect—Earle B. Bertz, 68 Post St.
Contractor—Allen & Co., 168 Sutter St.

GLENDALE, Los Angeles Co., Cal.—Roy L. Kent Co., 130 S. Brand Blvd., Glendale, has completed plans and bids will be taken next week from a selected list of contractors for the 2-story brick Chamber of Commerce Bldg. on east side of Brand Blvd. bet. Broadway and Harvard St., cost, $30,000. The building will be erected and operated by Citizens Bldg. Co., Inc.
Contract Awarded.
STORES Cost, $35,000
FRESNO, Fresno Co., Cal. J St.
One-story reinforced concrete store bldg. (7 stores).
Owner—Kinema Theatre Co.
Architect—Withheld.
Contractor — H. P. Hoyt, Monadnock Bldg., S. F.

THEATRES

Terra Cotta Contract Awarded.
THEATRE Cost, $1,000,000
SAN FRANCISCO, NE Post & Powell.
Class A theatre.
Owner—Wm. A. Fitzhugh.
Lessee—Ackerman & Harris.
Architect—Reid Bros., 105 Montgomery
Contractor — MacDonald & Kahn, 130 Montgomery.
The terra cotta awarded to Gladding-McBean & Co., Crocker Bldg., as reported before the steel contract has been awarded to The Judson Mfg. Co.

OAKLAND, Cal. — Announcement of the closing of a deal by the Orpheum Company with J. F. Carlston, president of the Central Natl. Bank for the property 125x150 ft. on the east side of Broadway, between 19th and 20th Sts., was made July 7.
The Orpheum Company has plans for the new theater under way and will start construction on a building to cost between $750,000 and $1,000,000 within a short time. G. Albert Lansburgh, 604 Mission St., is the architect.

Too Late to Classify

Commissioned to Prepare Plans.
ALTERATIONS Cost, $——
OROVILLE, Butte Co., Cal.
Alterations & additions to County Infirmary.
Owner—County of Butte, C. F. Belding, Clerk, Oroville, Cal.
Architect — Chester Cole, Waterland-Breslauer Bldg., Chico, Cal.

MADERA, Madera Co., Cal.—George Zoerb, Madera at $2,658.92 awarded contract by the Supervisors for repairing the county court house. Other bidders were: D. C. Berg, Madera, $2,955; Brawn & Stafford, Madera, $3,419.30.

WILMINGTON, Los Angeles Co., Cal.—The Union Oil Co. is contemplating the erection of the central portion complete and enclosing the wings but leaving the interior unfinished of the proposed administration building for Wilmington. The company will not require at present all the space provided in the proposed building and the plans have been referred to John Galen Howard, architect, San Francisco, for suggestions. The contractors are now preparing revised figures.

Plans Being Figured—Bids Close July 11, 1921.
TELEPHONE EXCHANGE Cost, $——
MODESTO, Stanislaus Co., Cal. 1012 11th St.
Three-story reinforced concrete telephone exchange.
Owner—Pacific Telephone & Telegraph Company.
Architect—Mr. Cobby, 333 Grant Ave., San Francisco.

Contract Awarded.
STORES Cost, $40,000
LOS ANGELES, Cal. Olive St. bet. 6th & 7th Sts.
Three-story & basement brick & concrete store & loft bldg. 40x150.
Owner—S. Krantzthor.
Architect—Walker & Eisen, 326 Pacific Finance Bldg., L. A.
Contractor—Lepper & Laisy, 501 O. T. Johnson Bldg., L. A.

RED BLUFF, Tehama Co., Cal.—City Trustees planning purchase of 1000 ft. of hose for use of fire department.
Eng. 23

FRESNO, Fresno Co., Cal.—Until July 20, 5 P. M., bids will be received by Chas. Dillon, Commissioner of [illegible] and delivering sweeper for use of the Department of Public Works. Sweeper to be delivered 30 days after award of contract. Certified check for 10% required with each bid.

MADERA, Madera Co., Cal.—The following bids were received by the Supervisors for furnishing and delivering dump beds for county trucks: Edw. R. Bacon Co., f. o. b. Madera, $2,500 and $3,200; S. S. Albridgt Co., $1,020; Arthur L. Eaton, f. o. b. San Francisco, $809.33; [illegible] Bids were [illegible].

NAPA, Napa Co., Cal.—Supervisors reject offer of A. Streblow to purchase county rock crusher for $3000 and have withdrawn the property from sale. Edw. P. Ball, County Engineer.

LODI, San Joaquin Co., Cal.—City Trustees are planning the purchase of a new fire engine, hose and equipment.
EUREKA, Humboldt Co., Cal.—Ralph Herrick, Chief of the Fire Department, seeks $2,000 through popular subscription to purchase motor pumping apparatus, the City Council to furnish the balance of the money required.

PORTLAND, Ore.—The Bureau of Roads, U. S. Forest Department, recommends to officials at Washington awards of contract for three projects as follows:
Oregon Caves project; to John Hampshire, Grants Pass, Ore., using corrugated iron pipe, $126,862.
Blewett Pass Project, Sections 2 and 3; Manary Construction Co., Wenatchee, Wash., using concrete pipe, $29,106.
Carbon River project; Chris. Sausett, Bellingham, Wash., using corrugated iron pipe, $41,134.

MODESTO, Stanislaus Co., Cal.—The Sunrise Lumber Co., Modesto, at $6108 awarded contract by Supervisors for furnishing and delivering lumber for repairing Grayson, Laird Slough, Dry Slough and Tuolumne city bridges. Following is a complete list of bids received:

Grayson Bridge

Yancy Lumber Co., Newman	$2701.05
Sunrise Lumber Co., Modesto	3200.00
Patterson Lmbr. Co., Patterson	2770.00

Laird Slough Bridge

Yancy Lumber Co.	$1879.55
Sunrise Lumber Co.	2225.00
Patterson Lumber Co.	1940.00

Dry Slough Bridge

Yancy Lumber Co.	$318.25
Sunrise Lumber Co.	383.00
Patterson Lumber Co.	345.00

Tuolumne City Bridge

Yancy Lumber Co.	$1564.25
Sunrise Lumber Co.	1300.00
Patterson Lumber Co.	1704.00

J. H. Hoskins, County Surveyor.

STOCKTON, San Joaquin Co., Cal.—Eugene Graham, County Clerk, instructed to call bids for furnishing and installing steel filing cabinets in the County Recorder's office.

Foster Engineering Company, Ltd., Brocket, Alberta, Canada, wish to communicate with company owning or operating a dredge equipped for placer dredging.

MARTINEZ, Contra Costa Co., Cal.—Until August 1, 11 A. M., bids will be received by J. H. Wells, County Clerk, for furnishing and delivering crushed rock and screenings for county highway construction. Certified check for 10% payable to the Clerk required with each bid. Specifications may be had from the office of County Engineer R. R. Arnold.

YUBA CITY, Sutter Co., Cal.—Until July 23, 10 A. M., bids will be received by E. L. Davis, Clerk of Barry Union School District, Yuba City, for constructing plumbing and water system and installation of pressure system for Barry School. Bids will be taken for all work under one contract or segregated. Certified check for 5% payable to Clerk required with each bid. Plans on file in the office of County Superintendent of Schools at Yuba City.

COALINGA, Fresno Co., Cal.—The American Machinery Co., Oakland, have been awarded a contract by the Trustees for furnishing and delivering 9,200 feet of 4 inch pipe with couplings at 42½ cents per ft. plus cost of dipping.
(Contined on page 21)

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SANTA ROSA, Sonoma Co., Cal.—W. L. Proctor, 1000 Spring St., Santa Rosa, at $5286 awarded contract by Supervisors for constructing reinforced concrete bridge on Healdsburg-Forestville Highway at Station 456, in 4th Supervisorial District, involving 36 cu. yds. Class A, 94 cu. yds. Class B and 65 cu. yds. Class C concrete and 15,650 lbs. reinforcing steel; estimated cost, $5800. Other bidders were H. B. Arnold, Jr., 129 Davis St., Santa Rosa, $5350; A. J. Fairbanks, Willits, $5500; John Cogo, Box 67, Sonoma, $5606; Rocca & Calletti, 220 B St., San Rafael, $5799; D. E. Albers, 475 Ellis St., Santa Rosa, $6630; Call Const. Co., Santa Rosa, $5541; engineer's estimate, $5800.

Proctor, at $12,760 also awarded the contract to construct reinforced concrete bridge over the Laguna on the Sebastopol-Santa Rosa Highway, in Supervisorial District No. 2, involving 52 concrete piles, 235 cu. yds. concrete and 50,000 lbs. reinforcing steel. Other bidders were H. B. Arnold, Jr., $13,650; Jenkins & Elton, 3560 Y St., Sacramento, $13,139; Call Const. Co., $14,760; Rocca & Calletti, $14,991; D. E. Albers, $14,640. Estimate of County Engineer R. Press Smith, $15,000.

SANTA ROSA, Sonoma Co, Cal.—Until July 26, 12 m., bids will be received by W. W. Felt, Jr., County Clerk, for constructing reinforced concrete culvert at Houx Station on the Liberty Road in Supervisor District No. 2, involving 12 cu. yds. Class A and 20 cu. yds. Class B concrete and 3900 lbs. reinforcing steel; estimated cost, $1250. R. Press Smith, County Engineer.

SAN JOSE, Santa Clara Co., Cal. — Wm. Martin at $7989 awarded contract by Supervisors for constructing reinforced concrete bridge on Tully Road over Coyote Creek, Supervisor District No. 2. County Engineer Irving L. Tyder's estimate, $8200. Only other bidder, J. H. Miller, 101 S. 16th St., San Jose, $9428.

Martin also awarded contract at $11,900 to construct reinforced concrete bridge on Milpitas and Alviso Road in Supervisor District No. 3; engineer's estimate, $11,550. Only other bidder was J. H. Miller, $13,959.

STOCKTON, San Joaquin Co., Cal.—County Engineer F. E. Quail seeking appropriations for maintaining his department for the fiscal year 1921-22, allows for the following bridge and culvert construction: Calaveras bridge on the Lower Sacramento Road, $30,000; Linden Road bridge over the diverting canal, $27,000; Waterloo Road bridge over diverting canal, $26,000; replacing old wooden floors with concrete, $40,000; concrete culverts at various locations, $10,000; Dry Creek bridge north of Elliott, $10,000.

SANTA ROSA, Sonoma Co., Cal. — Until July 26, 12 m., bids will be received by W. W. Felt, Jr., County Clerk, for constructing reinforced concrete bridge 193 on Sebastopol-Cotati Highway in 2nd Supervisorial Dist., involving 14 cu. yds. Class A and 31 cu. yds. Class B concrete and 3800 lbs. reinforcing steel; estimated cost $1670. Separate bids will be received on same date for constructing reinforced concrete bridge on Sebastopol-Cotati Highway at Station 121 plus 25 in Sup. Dist. No. 2, involving 27 cu. yds. Class A, 38 cu. yds. Class B and 25 cu. yds. Class C concrete and 10,300 lbs. reinforcing steel; estimated cost, $3000. R. Press Smith, County Engineer.

SAN JOSE, Santa Clara Co., Cal. — Until July 25, 10 a. m., bids will be received by Henry A. Pfister, County Clerk, for constructing reinforced concrete bridge on Leavesley Road in Supervisor Dist. No. 1. Certified check for 10% payable to Clerk required. Irving L. Ryder, County Engineer.

SACRAMENTO, Cal.——M. L. Isham & Co., Sacramento, at $2,600 submits the only bid to the Supervisors for rebuilding the bridge over Consumnes river, near Wilton.

Following bids were received for constructing timber trestle approximately 240 ft. in length, 18 ft. wide, reinforced concrete floor, timber to be creosoted; on the Elverta-Roseville Road:

Jenkins & Elton, Sacramento	$6,539
M. I. Isham & Co., Sacramento	7,990
West Coast Constr. Co., S. F.	7,946

Bids taken under advisement. Drury Butler, County Engineer.

STOCKTON, San Joaquin Co., Cal.—Jenkins & Elton, 36th and Y streets, Sacramento, at $26,867, awarded contract by the Supervisors for constructing concrete girder bridge over Calaveras river on the Lower Sacramento road. Other bidders were:

Clinton Constr. Co.	$28,947
McLeran & Co.	28,300
Pacific Constr. Co.	28,155
Rocca & Caletti	27,973
West Coast Constr. Co.	31,239
E. H. Martin & Co.	26,972

F. E. Quail, County Engineer.

SAN ANDREAS, Calaveras Co., Cal.—Until August 1, 1 p. m., bids will be received by A. W. Poe, County Clerk, for furnishing and delivering f. o. b. Valley Spring, Cal., steel for reconstructing bridge across San Antone Creek bet. town of Murphys and town of Sheep Ranch. Material required: 4 15-in. I-beams, weigth 42 lbs. per ft., 43 ft. long; 2 15-in. channels, weight 33 lbs. per ft., 43 ft. long. Certified check for 10% payable to county required. Specifications may be had from Clerk.

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STOCKTON, San Joaquin Co., Cal.—City Engineer W. B. Hogan has been instructed to prepare plans and seek permit from the War Department to construct a bridge across Mormon slough on Washington street, connecting Stockton with the Borden highway. Bonds of $100,000 have been voted to finance construction.

LOS ANGELES, Cal.—Until 11 A. M., July 25, bids will be received by the Supervisors of Los Angeles Co. for constructing a reinforced concrete bridge on El Monte-Pomona road over the Rio Hondo. The bridge will be 550 ft. long, girder type, with 9 spans of 54 ft. each and 2 spans of 32 ft. each at the ends. The roadway will be 24 ft. wide and there will be cantilevered sidewalks on each side 5 ft. wide and ornamental concrete railing. The bridge will have a clearance of 10 or 12 ft. above stream bed. An appropriation of $130,000 has been made for the project.

EUREKA, Humboldt Co. — Padgett & Kelly, Eureka, at $44,650 and $33 cu. yd. for extra concrete work, was awarded contract by Supervisors for constructing riveted steel bridge with trestle approach across Yager Creek at Carlotta in Road District No. 2. Other bids were F. L. Smith, $45,450; Mercer Fraser Co., $47,276. Padgett & Kelly also awarded contract for constructing a concrete girder bridge across Salmon Creek on Banner Schoolhouse Road. Road Dist 3. Bid is $4453. Padgett & Kelly at $1690 awarded contract for constructing a concrete culvert on the Banner Schoolhouse Road 1 mile south of Beatrice in Road District No. 3. A. J. Logan, County Engineer.

LOS ANGELES, Cal.—Until 11 a. m., July 25, bids will be received by Supervisors of Los Angeles County Flood Control District for construction of a concrete dam in Live Oak Canyon 3 miles northeast of La Verne, involving 1500 cu. yds. loose rock excavation; 500 cu. yds. solid rock excavation; 6000 cu. yds. concrete; 420 ft. 2-in. pipe railing erected; 1000 ft. 2½-in. grout holes drilled; 500 sacks cement grouting and a wooden foot bridge. Certified check for 10%.

SAN BERNARDINO, Cal.——City Engineer C. E. Johnson is completing plans for a reinforced concrete bridge to be built over Lytle creek on Mt. Vernon Ave. It will consist of two 71-ft. spans 41 ft. wide. The Pacific Electric Railway Co. will pay the cost of a 10-ft. strip in the middle of the bridge occupied by its tracks. Bonds to the amount of $90,000 were voted to erect this bridge and bridges over Meadowbrook in E. Third St. and in Arrowhead Ave. Plans for the latter two bridges will be completed later.

YUBA CITY, Sutter Co., Cal.—Because they wish to spare the county the expense of a referendum election the Supervisors of Sutter County voted to suspend all plans for the construction of a bridge over the Sacramento river at Grimes. The structure was to have been built jointly by Sutter and Colusa Counties.

STOCKTON, San Joaquin Co., Cal.—County Engineer F. E. Quail completes plans for concrete bridges over the diverting canal on the Linden and

Waterloo roads. Estimated cost, $50,000.

VISALIA, Tulare Co., Cal. — The following bids were received by Supervisors for bridge construction: Reinforced concrete bridge across Tule River on Porterville-Poplar Highway, involving 813.10 cu. yds. Class A and 310.53 cu. yds. Class B concrete, including all excavation; 156 piles to be driven below footing; Merceauo, $38,658.72; West Coast Const. Co., $32,747; E. D. Boyd, $30,430.75; Parlier & Lowry, $16,268.61; C. N. Const. Co., $21,058.37; Nate Lovelace, $18,606.41; C. R. Gurdy, $22,674.54; F. H. Nielson, $25,570.94; Anton Johnson, $28,001.84. Awarded to Parlier & Lowry, Tulare.

For constructing reinforced concrete bridge over Cottonwood Creek on Yettem Elderwood Highway, involving 200.24 cu. yds. Class A and 96.14 cu. yds. Class B concrete and 46 piles to be driven below footings; Merceauo, $9474.55; West Coast Const. Co., $9000; E. D. Boyd, $10,271.40; Parlier & Lowry, $5378.44; C. N. Const. Co., $5846.40; E. B. Day, $5842.91; Nate Lovelace, $5450.98; C. R. Gurdy, $6353.42; F. H. Nielson, $6869.40; Anton Johnson, $7976.49. Awarded to Parlier & Lowry, Tulare.

For constructing reinforced concrete bridge over St. John River on the Visalia-Woodlake Highway, involving 153.42 cu. yds. Class A and 209.17 cu. yds. Class B concrete, including all excavation; 156 piles to be driven below footing; West Coast Const. Co., $16,414; Merceauo, $16,533; Parlier & Lowry, $6935.98; C. N. Const. Co., $7465.95; Nate Lovelace, $6441.27; F. H. Nielson, $8364.76; Anton Johnson, $12,487.68. Awarded to Nate Lovelace, Visalia. Lovelace offered to build all three bridges and deduct $1800, the total for the three jobs, $40,911.09. Laurence Moye, County Engineer.

SAN LUIS OBISPO, Cal.—Appleton & Davis, Atascadero, at $9,927 awarded the contract by the Supervisors for constructing Magnolia avenue bridge north of San Luis Obispo. Nine bids were received ranging as high as $12,281. Pacific Construction Co., 16 California St., San Francisco at $3,793 were awarded the contract for constructing a bridge over Los Osos creek. Four bids were received, ranging as high as $7,333. Warren Burch, County Engineer.

YUBA CITY, Sutter Co., Cal.—Ross Construction Co., Forum Bldg., Sacramento, at $49,075, awarded contract by the Supervisors for completion of Long Bridge on Tahoe-Ukiah road across Butte slough. Other bidders were:

Bordwell & Zimmerman	$61,000
Cahill & Vensano	68,680
West Coast Constr. Co.	82,111
Jenkins & Elton	60,750
Ross Constr. Co.	49,075
E. H. Martin Co.	60,672
F. A. Holdener	69,014
Clinton Constr. Co.	59,305

RED BLUFF, Tehama Co., Cal.—Until July 29, 10 A. M., bids will be received by H. C. Kuhn, County Clerk, for constructing two reinforced concrete bridges between the towns of Los Molinos and Tehama. Certified check for 10% payable to Clerk required with each bid. Plans may be had from County Surveyor W. F. Lunning.

YUBA CITY, Sutter Co., Cal.—Supervisors of Sutter and Yuba Counties are planning reconstruction of the Yuba-Sutter bridge over the Feather river; work to be financed by both counties. County Engineers Leslie B. Crook of Yuba and Edward von Geldern of Sutter will submit an estimate of cost.

SALEM, Ore.—State Highway Commission awards bridge contracts as follows: Bridges Nos. 732, 733, 734 on Ontario Slides Section of Old Oregon Trail in Malheur County, awarded to Hauser Const. Co., Henry Bldg., Portland, $12,942; also for bridge 731 on Ontario Slides Section in same county at $33,375. Monson, Frierweiler of Portland, at $3985, awarded contract for constructing bridge No. 555 on Beaver-Hebo Section of Roosevelt Highway in Tillamook County.

IRRIGATION PROJECTS

TRACY, San Joaquin Co., Cal.—The directors of Naglee Burk Irrigation District set August 2 as date to vote bonds of $200,000 for constructing proposed irrigation works.

YREKA, Siskiyou Co., Cal.——Shasta Valley Chamber of Commerce assisting in formation of Klamath-Shasta Valley Irrigation District, election to be held July 12. U. S. Reclamation Service estimates construction work in the district to cost $50,000, segregated as follows:

Supply canal, $5000; main canal, $5,000; laterals, $5,000; topography and land classification (300,000 acres at 5c), $15,000; office work, $9,000; overhead and incidentals, $11,000.

FORT JONES, Siskiyou Co., Cal.—Until July 16, 2 P. M., bids will be received by W. T. Davidson, Secretary of Scott Valley Irrigation District, Mt. Shasta Bank Bldg., Fort Jones, for constructing a syphon 36-in. interior diameter and 3650 ft. long, material to be of either steel, wood or concrete, from plans of E. A. Zoellin, and on file in the office of the Secretary.

LIGHTING SYSTEMS

TAFT, Kern Co., Cal.——Construction of an ornamental lighting system is contemplated. E. M. Lynch, Central Bldg., Los Angeles, engineer.

FULLERTON, Orange Co., Cal. — Southern California Elec. Co., 625 S. Main St., Los Angeles, submitted lowest bid at $13,622 for constructing ornamental lighting system on Spadra Road and Commonwealth and Wilshire Aves. Other bids were H. H. Walker, $14,550; C. S. McEwen, $14,900; F. E. Newbery Elec. Co., $15,254; C. W. Sparks, $16,675; all bidders from Los Angeles. Bids taken under advisement until July 5.

MACHINERY

SAN JOSE, Santa Clara Co., Cal. — Stuart S. Smith & Co., 625 Market St., San Francisco, at $625 awarded contract by Supervisors for furnishing and delivering a Midget Schmeiser Leveler with 8-ft. scraper bucket. Irving L. Ryder, County Engineer.

STOCKTON, San Joaquin Co., Cal.—County Engineer F. E. Quail seeks appropriations from Supervisors in 1921-22 budget to purchase 2 road rollers, one hoist, one heavy duty trailer and graders, road drags and other equipment, costing approximately $21,400.

SAN JOSE, Santa Clara Co., Cal. — Supervisors authorize County Engineer Irving L. Ryder to purchase one heavy Western railroad plow with extra share to cost $105.25; one Western Router plow steel with extra point to cost $143.25, also one 3 h.p. Fairbanks-Morse horizontal gasoline engine to cost $132.

SACRAMENTO, Cal.—The following bids were received July 5 by the Supervisors and taken under advisement for constructing a new ferry to be operated on the Sacramento River at Isleton:

Cass Amacker, Sacramento	$3,140
Reliance Boat & Ways Co., Sausalito	3,960
Nunes Bros., Sacramento	3,750

Drury Butler, County Engineer.

PASADENA, Los Angeles Co., Cal.—Until 11:30 a. m., July 13, bids will be received by City Clerk Bessie Chamberlain for 2-ton fire truck chassis; also alternate bid for 1½-ton truck chassis.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

NAPA, Napa Co., Cal.—R. J. Blanco, Napa, at $68,670 awarded contract by Supervisors for grading and paving with concrete approximately 3 miles of road from Bragg Hill to the foot of Napa Mountain. Other bidders, Ray Errington, Napa, $68,850; Galbraith & Janes, Richmond, $71,235; Fay Improvement Co., Phelan Bldg., San Francisco, $81,363. Edw. P. Ball, County Engineer

SAN JOSE, Santa Clara Co., Cal. — Until July 25, 10 a. m., bids will be received by Henry A. Pfister, County Clerk, for constructing main road in the town of Mayfield, Supervisor Dist. No. 5. Santa Clara, Alviso and Milpitas Road, Supervisor Dist. Nos. 3 and 4. Grant Road, Supervisor Dist. No. 5. Branham Road, Supervisor Dist. Nos. 4 and 5. Downer Ave., Supervisor Dist. No. 4. Road, Supervisor Dist. No. 1. Irving L. Ryder, County Engineer.

OLYMPIA, Wash.—Following are low bids received by State Highway Commission:

Inland Empire Highway, Whitman County, surfacing about 9000 yds. with rock, near Thornton; C. M. Paine, Spokane, $12,920.

Olympic Highway, Grays Harbor County, reinforced concrete bridge; James Movic, Montesano, Wash., $12,000

Ocean Beach Highway, Lewis County, bet. Chehalis and Adna, grading and draining 4.5 miles; Davis, Bigelow & Stratton, Olympia, $19,038.

Pacific Highway, Clark County, bet. La Center and Woodland, paving with concrete 4.8 miles; United Contracting Co. Portland, Ore., $230,698.

Pacific Highway bet. Kelso and Kalama, Cowlitz County, clearing, grading and draining 7.8 miles; Ray & Seydel, Portland, $64,761.40.

Naches Pass Highway in Pierce County, bet. Dallas and White River, surfacing with pressed gravel about 10 miles; Sloan Const. Co., Spokane, $39,000.

Inland Empire Highway, Yakima County, clearing, grading and draining bet. Buena & Dalton 6.6 miles; Sloan Const. Co., Spokane, $33,258.91.

MARTINEZ, Contra Costa Co., Cal.—Kopperlud & Heafey, 2030 High St., Oakland, awarded contract by Supervisors for paving 2 miles of Willow Pass Road in Supervisor Dist. No. 4 at $21,575. Other bidders, A. J. Grier, $24,499.10; Cowdin, Broderick Co., $24,693.60. R. R. Arnold, County Engineer.

STOCKTON, San Joaquin Co., Cal.—F. E. Quail, County Engineer, seeks $765,550 for construction and maintenance work for the fiscal year 1921-22. New road construction includes the following: North Ripon Road, 3.26 miles; French Camp Road from Atlanta to Escalon, 6.8 miles; Linden-Colony Road, 3.05 miles; Waterloo Road, 2.5 miles; Lockeford-Elliott Road, 3.76

miles; Clements-Ione Road, 8 miles; Galt-Elliott Road, 6.05 miles; Horn Road, 4.25 miles.

SEATTLE, Wash. — Fiorito Bros., New York Block, Seattle, at $223,463.50 only bidder for paving 15th Ave. NW. and other streets in Improvement Dist. No. 3317. Referred to Board of Public Works.

SACRAMENTO, Cal.—Thomas Byrne, Sacramento, submitted the only bid to the Supervisors on July 5 for constructing portion of Road No. 14 through the Town of Hood in Reclamation District No. 813.

Bids is: Grading, $1 cu. yd.; Class B concrete, $15.50 cu. yd.; Class A concrete and headwalls, $40 cu. yd; 12-in. pipe, $1 per ft. Bid taken under advisement. Drury Butler, County Engineer.

Los ANGELES, Cal.—C. W. Shafer, 1614 Temple St., Los Angeles, submitted the only bid for improving Lake Shore Ave. between Morcom Avenue and Effie St. at 40c sq. ft. for concrete paving, including grading; 21c sq. ft. rough grading; 7c sq. ft. finishing grade, oiling and rolling; 80c ft. curb; 40c sq. ft. concrete gutter. No bids were received for grading and oiling.

CALIFORNIA —Nevada Contracting Co., Fallon, Nevada, awarded the contract by the State Highway Commission for grading road in Inyo County between the southeast corner Sec. 33, T. 8 S., R. 33 E., M. D. B. & M. and Bishop (VI-Iny-23-D), about 11.7 miles in length.

A. J. Grier, 480 Chetwood St., Oakland, awarded contract for paving with bituminized macadam, road in Inyo County, between Bishop and Round Valley Road (VI-Iny-23-E), about 8.3 miles in length.

PHOENIX, Ariz.—Until 10 A. M., July 13, bids will be received by City Clerk for improving Culver St. between Central Ave. and 12th St. L. B. Hitchcock, City Engineer.

TURLOCK, Stanislaus Co., Cal.—No bids received July 5 by the City Trustees for improving North and South First streets, between A and West Olive, by grading, paving with a 6-in. concrete base. Improvement Act 1911. Horace Hall, City Engineer.

SACRAMENTO, Cal.—No bids received by the Supervisors on July 5 for grading, graveling and constructing culverts on road east line of Section 64 Rancho Del Paso beginning at the H St. Road and running north 4 miles to the Auburn Blvd.

The Supervisors at the same session failed to received a bid for grading and graveling Greer road from Freeport road at end of the Pocket road east to Lower Stockton road, approximately 2½ miles, including the construction of culverts. Drury Butler, County Engineer.

LOS ANGELES, Cal.—The following bids were received by the Board of Public Works for improving Avenue 53 between York Blvd. and Irvington Pl.:

M. S. Cummings—61c sq. ft. for concrete paving, including grading; 4c sq. ft. rough grading; 7c sq. ft. finishing grading, oiling and rolling; 69c ft. curb; 25c sq. ft. sidewalk; 33c sq. ft. concrete gutter; $7148.45 storm drain complete; $1280 reinforced concrete culvert.

Chas. T. Salata—52c sq. ft. concrete paving; 4c sq. ft. grading; 7c sq. ft. oiling and rolling; 70c ft. curb; 24c sq. ft. sidewalk; 32c sq. ft. gutter; $6380 storm drain; $1200 culvert.

SAN FRANCISCO. — Board of Public Works approves specifications for placing approximately 1200 lin. ft. of concrete paving, Section C of the Ocean Beach Esplanade. Bids will be called when the supervisors authorize the work. M. M. O'Shaughnessy, City Engineer.

EUREKA, Humboldt Co., Cal.—Bids for constructing 5½ miles of wagon road down Redwood Creek from Briceland to State Highway in Road District No. 2 taken under advisement by the Supervisors. Low bid submitted by Frank Green at $27,865; highest by Mercer-Fraser Co., Eureka, at $31,970. A. J. Logan, County Engineer.

SANTA BARBARA, Cal.—A resolution of intention was adopted by the council to improve Victoria St. between Chapala and San Pascula Sts., by grading and paving with 5-in. concrete base and 1½-in. asphaltic concrete wearing surface between Castillo and Rancheria Sts., and 3-in. asphaltic concrete base and 1½-in. asphaltic concrete surface between Chapala and De La Vina Sts., and grading between Chapala and San Pascula Sts., was adopted by council June 28; curb and gutter, 18-in. reinforced concrete storm drain, 6-in. vitrified pipe sewer; 1911 act.

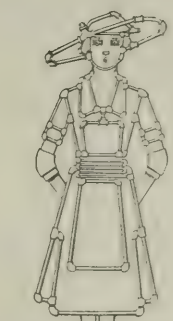
FRESNO, Fresno Co., Cal.—City Council, R. Y. St. George, Clerk, passes Resolution of Intention for following improvements:

No. 1264: Ventura Ave., from P to G Sts., grading, constructing concrete curbs and gutters, corrugated metal culverts and paving with asphalt.

No. 1265: L St., from Kern to San Diego St., by grading, constructing concrete curbs and gutters, corrugated metal culverts and paving with asphalt.

No. 1263: Alley in Block 80, from Inyo to Mono by grading and paving with concrete.

No. 1266: West side of Ferger Ave., from Pine to McKinley Aves., by construction of artificial stone sidewalks. All under Improvement Act 1911. Wm. Stranahan, Commissioner of Public Works.



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SAN BERNARDINO, Cal. — Until 11 a. m., July 11, bids will be received by Supervisors of San Bernardino County for improving Philadelphia St. from East End Ave. to a point 6600 ft. east in Road Imp. District No. 14 by paving with macadam 6 in. thick and 16 ft. wide, composed of 5⅝ in. crushed stone and ⅜ in. oil and rock screenings surface. Work will be done under Road Dist Imp. Act of 1907. Harry L. Allison, County Clerk.

LOS ANGELES, Cal.—Adam Dalmatin and Mike Guho, 818 E. 40th St., were awarded the contract at $70,215.03 for constructing a cement pipe sewer in Indiana St. Sewer District. Other bids received by Board of Public Works were Leo Miletich, $84,003.96; R. A. Wattson, $91,982.37; enginer's estimate, $73,982.37. Martin Petrovich submitted an incomplete bid.

EUREKA, Humboldt Co., Cal.—W. C. Elsemore, Eureka, submits only bid to Supervisors for constructing cement sidewalks and curbs fronting old courthouse property in 2nd St., 16c sq. ft. for walks and 42c lin. ft. for curbs. A. J. Logan, County Engineer.

SAN BERNARDINO, Cal. — H. H. Lienau of Redlands has secured a contract from Pacific Elec. Ry. to do the grading for its new track on D St. The new track from Base Line to Highland Ave. and on Highland Ave. to B St. will be ballasted with rock and paved with Warrenite, $60,000.

CALIFORNIA. — Following are the approximate quantities of materials required for projects for which State Highway Commission will open bids July 18, 2 p. m.;

Siskiyou County, bet. Upton and the southerly boundary (II-Sis-3-A), about 10.4 miles in length, to be paved either with Portland cement concrete or bituminized macadam. Item (1), 13,442 cu. yds. Class A Portland cement concrete pavement; (2) 33,750 tons broken stone (pavement); (3) 487 tons asphalt Grade E spread. Alternative Items 2 and 3 together are to be considered as alternative for Item 1. Commission will furnish reinforcing steel and cement for concrete foundation and asphalt Grade E for macadam.

Sonoma County, bet. Cloverdale and Healdsburg (IV-Son-1-A), about 16.0 miles in length, to be paved either with Portland cement concrete or asphalt concrete. Item (1), 60,000 cu. yds. of excavation without classification; (2) 1670 cu. yds. Class A Portland cement concrete (culverts and monuments); (3) 350 lin. ft. 12-in., (4) 662 lin. ft. 15-in., (5) 1366 lin. ft. 18-in. and (6) 236 lin. ft. 24-in. corrugated metal pipe; (7) 289 monuments.

Alternative Items—(8), 23,500 cu. yds. Class A Portland cement concrete (pavement); (9) 10,000 cu. yds. gravel sub-base (asphalt concrete pavement); (10) 45,550 tons asphalt concrete mixture (pavement). Alternative Items 9 and 10 together are to be considered as alternative for Item 8. Commission will furnish reinforcing steel, corrugated metal pipe, cement and asphaltic cement for asphalt concrete.

CALIFORNIA—Following bids were received July 5, by the State Highway Commission:

Inyo County, between the SE Cor. Sec. 33, T. 8 S., R. 33 E. M. D. B. & M. and Bishop (VI-Iny-23-D), about 11.7 miles in length, to be graded. Project involves 62,000 cu. yds. excavation without classification; 310 cu. yds. Class A Portland cement concrete (culvert and monuments); 932 lin. ft. 12", 766 lin. ft. 18", 506 lin. ft. 24" and 124 lin. ft. 30" corrugated metal pipe; 400 lin. ft. guard rail; 2.8 miles moving and resetting property fences; 112

monuments. Commission will furnish reinforcing steel, corrugated metal pipe and cement.

Nevada Contracting Co., Fallon, Nev. $64,969.50
Herbert Francisco, Bishop... 73,411.80
C. H. Hudson, Los Angeles.. 78,831.00
R. J. Blanco, Vallejo..... 85,421.00
Thos. L. Gilmer, Picton.....108,285.00
J. Paul Benson, L. A.....112,249.50

Engineer's estimate, $94,269.50.

Inyo County, between Bishop and Round Valley Road (VI-Iny-23-E), about 8.3 miles in length, to be paved with bituminized macadam. Project involves 27,000 cu. yds. excavation without classification; 22,100 tons broken stone (in pavement.; 375 tons Asphalt Grade "E," spread; 180 cu. yds. Class A Portland cement concrete (culverts and monuments); 302 lin. ft. 12," 426 lin. ft. 18" and 250 lin. ft. 24" corrugated metal pipe; 4.5 miles moving and resetting property fences; 48 lin. ft. guard rail; 62 monuments. Commission will furnish reinforcing steel, corrugated metal pipe, cement and asphalt Grade "E."

A. J. Frier, Oakland.....$175,173

Engineer's estimate, $145,731.60.

FRESNO, Fresno Co., Cal. — Until July 14, 3 p. m., bids will be received by R. Y. St. George, City Clerk, for constructing 6-in. vitrified clay pipe sewer in alleys of Blocks 2, 3 and 4 of Dean Park from South 3rd St. to a manhole to be constructed 10 ft. west of Block 2; also for a 6-in. vitrified clay pipe sewer in alley of Blocks 1 and 2, Dean Addition, from South 3rd to manhole to be constructed 10 ft. east of Block 2; with 4-4-in on 6-6-in. Ys for each lot frontage. Certified check for 10% payable to city required. Wm. Stranahan, Commissioner of Public Works.

EUREKA, Humboldt Co., Cal.—The Supervisors accept bid of Englehart Const. Co., Eureka, for placing and spreading approximately 4000 cu. yds. of rock on the county road bet. Orick and Bald Hills in Road District No. 5. Bid is $3 cu. yd. A. J. Logan, County Engineer.

SAN FRANCISCO—Fay Improvement Co., Phelan Bldg., awarded contract by the Board of Public Works for improving Plymouth Ave., between Lakeview and Farallones at $28,874. Project involves 2703 lin. ft. concrete curb; 38,680 sq. ft. asphaltic concrete and 20,570 sq. ft. concrete pavement; 2128 sq. ft. artificial stone sidewalk; 11 brick catchbasins; 320 lin. ft. 10-in. culverts; 40 lin. ft. 6-in., 450 lin. ft. 8-in. and 340 lin. ft. 12-in. sewer; 8 8-in. and 8 12-in. Y branches; 5 brick manholes. M. M. O'Shaughnessy, City Engineer.

FRESNO, Fresno Co., Cal. — County Supervisors will shortly issue calls for bids for constructing approximately $1,137,000 worth of county highways. Projects are as follows:

Olive Ave. from Ventura to Melvin Station, 5 miles. Washington and Central Aves. from Malaga to Del Rey, 8 miles. Elm Ave. from Mt. View Ave. to the county line, 10 miles. Dos Palos Road, a continuation of the Whitesbridge Road from Tranquility Ave. to Dos Palos, 34 miles. Portion of the Sanger Road to Hills' Valley, 15 miles. The cost of the first three projects will reach approximately a half million dollars, according to Chris P. Jensen, County Highway Engineer, while the fourth and fifth will cost $250,000 and $125,000, respectively, making a total of $875,000 for the five projects. Another $112,000 will be expended on two roads of 7 miles each, one from Kerman to Tranquility and the other from the Whitesbridge Road to Tranquility.

SANTA MONICA, Cal.—The Grinnel Co. was awarded the contract to furnish about 35,000 ft. Class B water pipe, 4 to 12 in., at $65,665.64 and the contract to furnish 75 fire hydrants at $6696.61. The $70,000 water bond issue was sold to the Banks-Huntley Co. at par.

SAN FRANCISCO—Until July 12, 12 M., bids will be received by Jas. De Succa, Secretary, Park Commission, Park Lodge, Golden Gate Park, for laying approximately 5,000 sq. ft. of 1-in. thick tennis court pavement in McCoppin Square, 22nd and 24th Aves., Taraval and Santiago Sts., and approximately 7,000 sq. ft. of bitumen or asphalt, 1-in. thick in hand ball courts at Golden Gate Park. Certified check for 10% payable to Secretary required with each bid. Specifications will be furnished on request.

SALEM, Ore.—State Highway Commission awards contracts as follows:

Ashland-Klamath Falls Highway, awarded to A. D. Kern, Portland, at $28,327.

Pacific Highway, Grants Pass-Sexton Mountain Section, awarded to A. D. Kern for type "D" pavement at $225,882.

Oregon-Washington Highway, Pilot Rock-Vinson Section, awarded to Oxman & Harrington, Baker, Ore., at $73,936.

Roseburg-Coos Bay Highway-Bridge, remote section, awarded to A. Guthrie & Co., Portland, at $121,073.

FRESNO, Fresno Co., Cal.—Until August 1, 2 P. M., bids will be received by D. M. Barnwell, County Clerk, for constructing a portion of the county highway Route 18, Section A. Chris. P. Jensen, County Engineer.

SAN LUIS OBISPO, Cal.—No bids received by the Supervisors for constructing the Arroyo Grande-Oceano road, 19,640 ft. in length, approximately 314,240 sq. ft. of pavement. Bids were asked for oil macadam and concrete pavements. Warren Burch, County Engineer.

MODESTO, Stanislaus Co., Cal.—The Supervisors reject bids for placing a Topeka or a Bitulithic wearing surface on 4.421 miles of concrete highway 16 ft. wide commencing at the city of Modesto and running east to Waterford Highway to the Santa Fe railroad track at Empire and new bids have been ordered received up to July 29, 10 a. m. In addition to the Topeka and Bitulithic wearing surface the board will consider bids for a Mastic pavement, coarse aggregate type. The following bids were received under the original call: Federal Const. Co., San Francisco, (a) Topeka, $.1199 sq. ft., (b) Bitulithic, $.1199 sq. ft.; Glen Bearup, (a) $.068 sq. ft., (b) no bid; Standard Paving Co., Modesto, (a) $.105 sq. ft., (b) $.105 sq. ft.; Fay Improvement Co., San Francisco, (a) $.0948 sq. ft., (b) $.152 sq. ft. J. H. Hoskins, County Surveyor.

OAKLAND, Cal.—Until July 21, 12 m., bids will be received by Eugene K. Sturgis, City Clerk, for improving portions of Fruitvale Ave. by grading, constructing concrete curbs and gutters and paving with an asphaltic concrete pavement. Geo. Mattis, City Engineer.

REDONDO BEACH, Los Angeles Co., Cal.—E. L. Garretson & Son, 1216 2nd St., Santa Monica, submitted lowest bid for improving Juanita Ave., involving 118,520 sq. ft. oil macadam, including grading at 28c ft.; 575 ft. curb at 65c ft.; 30,000 sq. ft. oiled roadway at 7c ft. and storm sewer at $1000. Herman Wigman submitted the only other bid at 30½c for paving, 50c for curb, 6c for oiling and $800 for storm sewer. Bids taken under advisement.

SANTA CRUZ, Santa Cruz Co., Cal.—Until July 18, 5 p. m., bids will be received by S. A. Evans, City Clerk, for sewering portions of Harrison and Grant Aves., Chilverton St., Dellview, Melrose, Parnell, Fairmount, Morrisey Aves., Rooney, Elk, et al. streets. Project involves 2686.93 ft. 10-in., 682.03 ft. 8-in. and 6802.03 ft. 6-in. sewer; 88 10-in., 21 8-in. and 215 6-in. Y branches and 35 manholes. Certified check for 10% payable to city required with each bid. Plans may be had from City Engineer James K. James.

SAN LUIS OBISPO, Cal.—Until July 14, 10 a. m., bids will be received by F. J. Rodrigues, County Clerk, for grading Section C-1, San Luis Obispo and Cambria Road from a point 1.5 miles north from the town of Cayucos to a point 7.0 miles north from said town. Certified check for 5% payable to chairman of Board of Supervisors required. Specifications may be had from County Engineer Warren Burch on deposit of $2.

VISALIA, Tulare Co., Cal. — Supervisors are contemplating the paving of 3½-mile stretch connecting Naranjo and the Lemon Cove Highway. Laurence A. Moye, County Engineer.

NAPA, Napa Co., Cal.—Until July 18, 7:30 P. M., bids will be received by H. H. Thompson, City Clerk, for improving Main street from Pearl to Caymus, by grading and paving with 5-in. concrete 40-ft. wide; constructing concrete catchbasins with cast iron covers and sewer connections. Improvement Act 1911. Certified check for 10% payable to City required. H. A. Harrold, City Engineer.

FRESNO, Fresno Co., Cal.—Petitions have been received by the County Supervisors urging the paving of Shaw Ave. from the State Highway to Madera Ave. Chris P. Jensen, County Engineer.

BAKERSFIELD, Kern Co., Cal.—City Engineer R. H. Hubbard has been instructed to complete specifications for paving 17 blocks of streets in the heart of the city with Willite paving. The council decided to change specifications for the Sumner St. project from Willite pavement to Warrenite top.

SANTA ANA, Orange Co., Cal.—Geo. R. Curtis, 2440 E. 26th St., Los Angeles, was awarded the contract for removing the present surface and resurfacing with 2-in. asphaltic concrete E. 1st St. from Main St. to Santa Fe Ry. at 11c sq. ft., the contract amounting to $28,820. Mr. Curtis was also awarded the contract for replacing concrete base in the same street at 18c sq. ft. for 25,000 ft. 4-in. and 5000 sq. ft. 5-in. pavement, a total of $5400.

FRESNO, Fresno Co., Cal. — J. C. Forkner of the Forkner Fig Gardens Co. announces plans for constructing a scenic boulevard along the banks of the San Joaquin River for a distance of 4 miles in connection with the opening for subdivision of 2000 acres of land.

AZUSA, Los Angeles Co., Cal.—J. L. Wilsford of Azusa submitted the only bid at $12,400 for improving Pasadena Ave., about 1¼ miles, to be surfaced with rock and oil. On recommendation of City Engineer C. L. Nichols the bid was rejected and the work will be done by force account. This is the first of the streets to be improved under an $80,000 bond issue.

BAKERSFIELD, Kern Co., Cal.—City Engineer R. H. Hubbard instructed to prepare specifications for sewers in Blocks 104 and 105.

TAFT, Kern Co., Cal.—Construction of cement curb and sidewalks on all city streets is contemplated. E. M. engineers.

VALLEJO, Solano Co., Cal.——Funds to construct extension to Sutter St. sewer in northern section of city will be available in the coming budget; estimated cost, $3000. T. D. Kilkenny, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—R. R. Arnold, County Engineer, is completing plans for a concrete highway west of and adjoining the Walnut Creek town limits to and connecting with the end of Tunnel highway, a distance of 1500 ft. The road will be 18 feet wide.

POMANO, Los Angeles Co., Cal.—City Engineer F. C. Froehde has been instructed by council to prepare an assessment district for the Garey Ave. storm sewer. Bonds to the amount of $6000 have been voted for this work by the city and about $4000 will be assessed against property benefited.

TOO LATE TO CLASSIFY

(Continued from Page 16)

RICHMOND, Contra Costa Co., Cal.—City Manager J. A. McVittie has requested Francis B. Smith, Consulting Engineer, 58 Sutter St., San Francisco, to submit a report on needed improvements to trestle wharf of the municipal warehouse. A considerable amount of piling will be required to place the wharf in good condition.

OAKLAND, Cal.—Until August 1, 10 A. M., bids will be received by Geo. E. Gross, County Clerk, for furnishing and installing kitchen equipment for service building at county hospital. Certified check for 10% payable to Clerk required. Specifications may be had from Clerk on deposit of $10, returnable.

DENAIR, Stanislaus Co., Cal.—Due to an error in advertising the Trustees of the Denair High School District, M. H. Wright, Clerk, have issued a new call for bids for installing a pneumatic water supply at the school; bids to be opened July 12, 8 p. m. Tank to be 42 in. diameter, 10 ft. long. Pump to be triplex with brass lined cylinders capable of delivering a minimum of 1500 gals. per hour and shall be capable of maintaining a fire pressure of 40 lbs with two 5/16 nozzles in operation. Contractor to also bid on double acting or other style pump fulfilling the same requirements. Motor to be 3 h.p. 3-phase alternating current, direct connected to pump and shall have automatic control.

OROVILLE, Butte Co., Cal. — The directors of Honcut-Yuba Irrigation District are considering the report of Engineer J. D. Galloway, who estimates the cost of constructing the system at $76 an acre. Approximately 55,000 acres are included in the district.

PETALUMA, Sonoma Co., Cal.—Until July 12, 7 p. m., bids will be received by Board of Education, City Hall, for furnishing and delivering 3 motor trucks, completely equipped with bodies and standard makes of pneumatic tires; one truck to be approximately 2 tons, carrying 50 persons; 2 trucks approximately 1 ton each, seating 25 persons.

Detroit has the reputation of being one of the best regulated traffic centers in the country.

MANUFACTURERS' DUTY IN HANDLING BRICK

Speaking on the question of "Handling and Shipping Brick," at the recent convention of the National Brick Manufacturers' Association at New York, Robert Twells Jr., of Schenectady, N. Y., said:

"The amount of shading of the brick is largely dependent on the ideas of the architects. It is well to avoid as many shades as possible. The architects are beginning to realize that a polychrome effect is prettier, and easier to secure than a single shade. It is usually close enough where brick of one shade are wanted, merely. Pick out the culls and the brick that are either extremely light or dark in color. Where mixtures of blacks, browns, and reds are wanted, it a good plan to mix the brick by having the men load so many courses on their wheelbarrows from one kiln and so many from another kiln or pile. With a little ingenuity this can usually be done with little additional work.

"In the case of the common brick it always pays to be careful as to whether the brick are hard burned. If there is any doubt in the matter, the brick should be sorted out and sent to an inside job. If an order calls for kiln-run commons, enough hard-burned brick should be sent to form a face. It is a very poor policy to send salmon brick to a job where hard-burned brick should be used, just because the buyer will accept them.

"The brick manufacturers should use every means to induce the builder to handle the brick as they should be handled, and to lay them properly. It often happens that the manufacturer handles the brick properly, only to find that the contractor is allowing them to be dumped out of a truck or is laying salmon brick in the face. Such things are very much the business of the brick manufacturer, since they can only result in the giving of the whole brick business a bad reputation."

HIGHWAY PROGRESS IN THE PHILIPPINES

A total of $9,764,807 was spent for public improvements in the Philippine Islands during the year 1920 as compared with $8,905,645 in 1919, according to reports to the Asphalt Association in New York. The money was used, in part, to build 198 kilometers of new roads and bridges. A ten year program of highway construction has been inaugurated that ultimately open, reclaim or improve 300,000 hectares of agricultural land.

TIMBER AS REINFORCEMENT FOR CONCRETE

A few years ago the idea of using wood for the purpose of reinforcing concrete was embodied in a patent granted to Mr. G. O. Case, who subsequently read a paper on the subject before the Society of Engineers. Quite lately Signor Viscardini, an Italian engineer, has been considering the employment of wood for the same purpose in reinforced concrete beams. The reinforcement proposed consists of longitudinal strips of timber, nailed together at the edns and at intermediate points, and placed suitably for resistance to tension in the lower part of a beam. Stirrups for resistance to secondary stresses are formed of vertical strips of wood, sometimes nailed to upper longitudinal strips serving the double purpose of keeping the stirrups in place and of acting as compression reinforcement. The vertical members can be utilized further by allowing some of the lower ends to project through the under surface of the concrete, where they act as plugs for the attachment of ceilings and fittings.—Times Engineering Supplement, London.

TRADE NOTES FROM MEXICO

[File numbers cited refer to reserved information or trade lists, which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or co-operative offices.]

Mexican Road and Wharf Construction

The President of Mexico has approved the expenditure of 75,000 pesos (equal to about $37,500 United States currency) monthly for the construction of a wharf at Acapulco and a cart road from Acapulco to Iguala, states Consul Gamon. It is understood that work will begin on these projects within a brief time. Information concerning the work and materials required may be secured from the Ministro de Comunicaciones y Obras Publicas, Mexico, D. F.

BRICK MANUFACTURERS REPORT LARGER TRADE

There has taken place in the common brick industry of the country an average price reduction, from the peak, of 33 per cent, according to the monthly digest of the Brick Manufacturers' Association of America. At the height of the demand for materials a year ago a composite price taken from the reports of the membership of this association, representing 60 per cent of the country's production, gave the figure of $24 per thousand. By January, 1921, the price had settled down to $20.05, and from that point has slowly but steadily gone down until a composite price, taken from current reports as of May 1, shows the figure to be $16.11. This is practically a one-third reduction in the price of brick.

The lowest price quoted in any section of the country comes from the Southeast, where keen competition has even outdone Chicago, which, due to its favorable quality of clay and high plant efficiency, usually holds the record for minimum price. Some brick have been sold in Mississippi and Georgia which did not net the manufacturer at plant more than $9 a thousand, and this, according to the best cost information available, is many dollars below the actual cost of producing the brick. Chicago still maintains the $12 price delivered on the job, and the figure that may fairly be said to represent the price in most sections of the country, where business is conducted with a view of profit, would be about $17 delivered on the job.

SACRAMENTO BUILDING PERMITS FOR JUNE

SACRAMENTO, Cal.—The records of City Building Inspector Benjamin F. Covell, as compiled by Deupty George V. Mirick, show a total of 153 permits for the month of June at an estimated cost of $261,450. This is a decrease of 66 permits and $301,253 as compared with the estimated cost and permits of the preceding month.

Comparing with the permits for the month of June, 1920, the above shows an increase of 66 permits, but the total estimated cost for June, 1920, exceeds June, 1921, by $61,855, showing a large drop for this year. This may be due to the drop in prices of building materials.

Ohio is the first state in the Union to consider a model law for the regulation of motor vehicle traffic suitable for uniform adoption by all other states.

India has thirty cities with a population of over 100,000.

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LOS ANGELES	SEATTLE	SALT LAKE CITY
MILWAUKEE	ST. LOUIS	SAN FRANCISCO

BUILDING MATERIAL PRODUCTION IN UNITED STATES

The following figures, compiled by the Department of Labor, Interior, and Commerce, show the annual production of building materials in the United States:

Common brick (annual average, 1908-12), 8,771,000,000, valued at $51,783,000; (1918) 2,820,000,000, valued at $30,000,000.

Vitrified brick (annual average, 1908-12), 966,000,000, valued at $10,993,000; (1918) 406,000,000, valued at $8,000,000.

Front brick (annual average, 1908-12), 727,000,000, valued at $8,668,000; (1918) 400,000,000, valued at $8,000,000.

Stone, granite (annual average, 1908-12), amount not stated, value $19,792,000; (1917) $15,544,000.

Sandstone (annual average, 1908-12), amount not stated; value, $7,632,000.

Marble (annual average, 1908-12), amount not stated; value, $7,322,000.

Stone, granite (annual average, 1908-12), amount not stated; value, $19,792,000; (1917) $15,544,000.

Sandstone (annual average, 1908-12), amount not stated; value, $7,632,000; (1917) $5,512,000.

Marble (annual average, 1908-12), amount not stated; value, $7,322,000; (1917) $6,330,000.

Limestone (annual average 1908-12), amount not stated; value, $32,997,000; (1917) $46,263,000.

Steel (annual average, 1910-12), 27,007,000 long tons; (1917) 40,500,000 long tons.

Cement (annual average, 1908-12), 70,716,145 barrels; value, $59,575,000; (1920) 100,302,000 barrels; value, $193,548,000.

Lumber (1913), 38,387,000,000 feet; (1919) 30,235,000,000 feet. The maximum production of 42,000,000,000 feet was in 1918.

CLASSIFYING THE HIGHWAYS

That a public road building policy requiring road classification according to function as well as responsibility for construction and maintenance is necessary in order to carry on successfully a good roads program in this country is the gist of a treatise issued recently by the Nebraska Dept. of Public Works on "How to Get Good Roads." The classification policy, the Nebraska officials point out, has been found upon adoption abroad to be a highly successful one for highway improvement.

"That which has secured roads overseas," says the bulletin, "should secure them here. First, there is the country road. Its primary function is to serve county needs. While its function is vital — linking farm and market—its use is mainly local. The county, therefore, should assume responsibility for it. It should be built and cared for by county funds. Exception should be made of certain roads in the counties whose function places them in another class—that of State or Federal roads. Second, there is the State highway, the aggregate of which constitutes the State highway system. These are the roads which, while serving local needs in the counties have for their primary function highway service to the State as a whole. The system is usually planned to connect the county seats and all these and the various sections of the State with the State capital. The State, therefore, should assume responsibility for these roads. They should be built and cared for through State taxation. Exception should be made of certain roads in the states whose function places them in a third class, that of national roads.

"Third, there is the national highway, the aggregate of which will constitute the system of national highways. These are the roads which, while serving county needs, State needs and inter-state needs, have for their primary function highway service to the country as a whole."

WATER LEVELS IN WELLS OF SOUTHERN CALIFORNIA

The prosperity of Southern California depends largely upon its supply of ground water, for a large part of its water for both irrigation and domestic use is obtained from the ground. In 1905 about two-thirds of the irrigated land in this region was supplied with such water, and since then the proportion has probably increased. In 1909 the area irrigated in Los Angeles, Orange, Riverside and San Bernardino Counties amounted to about 342,000 acres, and in 1919, according to preliminary data published by the Bureau of the Census, it had increased to about 542,000 acres.

Observations of Water Levels by U. S. Geological Survey

In 1900 the United States Geological Survey, Department of the Interior, began studies of the occurrence, amount, distribution and use of the ground water in this highly productive region, and it has been publishing the results of these studies in its series of water-supply papers. Reports have been published on the water resources of San Bernardino Valley (Water-Supply Papers 59, 60 and 142), the foothill belt (No. 219), the coastal-plain region (Nos. 137, 138 and 139), the San Jacinto and Temecula basins (No. 429), and Western San Diego County (No. 446).

Observations of the fluctuation of the water table in this region have been made for more than 20 years. The depth to the water level is measured at stated intervals in about 250 wells. In most of these wells only two measurements a year are made—one in the spring, when the water level is generally highest, and one in the fall, when it is generally lowest; but in a few wells measurements are made at shorter intervals. The data thus obtained are valuable in showing the extent of the depletion of the ground-water supply at times of light precipitation and heavy pumping and the extent of replenishment of the supply at times of relatively heavy precipitation.

Recent Low Levels

During the last five years the precipitation has been below the average, and in most wells the water level has consequently been gradually lowered. From July 1, 1920, to May 10, 1921, the precipitation was only about three-quarters of the normal. Measurements made in the spring of 1921 show that in many wells the former water level was not regained during the preceding winter but was lower than it has been since the measurements were begun. Although much of this lowering is due to the scant precipitation, it is in some places due in part to overdraft on the supply, and even if a period of wet years recurs it is doubtful whether in these places the water level will rise to its former height.

Compilation of Water-Level Records

All the Geological Survey's records of water levels in wells in Southern California down to the end of 1920 have recently been collected and published as Water-Supply Paper 468, entitled "Records of water levels in wells in Southern California," by F. C. Ebert. This report contains also diagrams showing the fluctuation of the water level in several wells and the relation of the fluctuation to the precipitation at nearby points and to the discharge of San Gabriel and Santa Ana Rivers. It includes a large map of the region, which shows the locations of most of the wells measured. This report may be obtained by applying to the Director, U. S. Geological Survey, Washington, D. C., or to the branch office of the Geological Survey, 602 Federal Bldg., Los Angeles, Cal.

New Ground-Water Studies Begun

The great increase in the use of ground water for irrigation in Southern California has given rise to many serious problems, and in order to aid in solving these problems the United States Geological Survey plans to continue its ground-water studies on a larger scale. Additional wells are being selected for observation, and measurements are being made at more frequent intervals. In this work the Geological Survey is co-operating with State and county officials and with many water companies.

TENDERS INVITED FOR AUSTRALIAN POWER SCHEME

The Electricity Commissioners of the State of Victoria, Australia, are inviting tenders on the structural steel and roofing material for the power-house and boiler-house equipment of the Morwell Power Scheme, described in Commerce Reports of May 20, 1921. American Trade Commissioner A. W. Ferrin has forwarded to the Bureau of Foreign and Domestic Commerce the official tender forms, specifications, drawings, and contract conditions, which the bureau is placing on sale at its offices, 734 Customhouse, New York City, and 1424 First National Bank Building, Chicago, as was done with previous specifications covering the electrical equipment for this project.

Specifications No. 95 covers the steel work and roofing for the buildings, and specification No. 99 covers the water-tube boilers, stokers, fans, etc., platforms and ladders, steel chimneys, flues and dampers, sooting and dust-extracting equipment, and ash-handling plant. The charges for these specifications are $25 for the first three copies of each specification, for each subsequent copy with drawings, $7.50; of each subsequent copy without drawings, $5. Tenders on prescribed forms will have to be received at the commissioners' office in Melbourne, Australia, not later than noon of August 14, 1921. The commissioners do not bind themselves to accept the lowest or any tender.

COMPETITION IN RAILWAY SUPPLIES FOR ARGENTINA

The commercial attache at Buenos Aires, Mr. Edward F. Feely, in a recent report states that bids on furnishing 7,000 tons of steel rails for the Argentine States Railways were opened May 20. The lowest bids of the different nationals were as follows: German, approximately 61 gold pesos per 1,000 kilos, c. i. f., Santa Fe; Belgian, 57.90 gold pesos; American, 81 gold pesos. The German and American firm offered to deliver 3,000 tons monthly, while the Belgian firm promised only 2,000 tons. Up to June 1 the contract had not been closed, but it was thought probable the business would go to the Belgian bidder. The average quotation of the gold peso during May was $0.72 United States currency.

Grocers throughout the United States have invested over $3,000,000 in motor trucks.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1443	Demattei	Farnocchia	750
1444	Ronicke	Barrett	15000
1445	Smith	Owner	500
1446	Peake	Owner	9900
1447	Visitacion	Owner	3500
1448	Archbishop	Owner	1000
1449	Lindeman	Lindeman	5300
1450	Salvation	Owner	50000
1451	Joegers	Mullen	7500
1452	Frick	Owner	2000
1453	Hereth	Stauffacer	800
1454	Fetta	Owner	1000
1455	Schneider	Owner	600
1456	Filippo	Filippo	4000
1457	Lacau	Bourdieu	860
1458	Dresser	Olsen	1000
1459	Piraino	Filippo	3500
1460	Martin	Merritt	1500
1461	Shell	Owner	1400
1462	McCarthy	Arnott	3450
1463	Leborie	Owner	875
1464	Klein	McCarthy	900
1465	Flagg	Flagg	1900
1466	Johnson	Allen	30000
1467	Witbeck	Owner	3000
1468	Cal. Wine	Biller	15000
1469	Carter	Merritt	900
1470	Weissbein	Owner	500
1471	Eisenberg	Sandberg	4000

PERMITS

ALTERATIONS
(1443) 2510 BUSH. Construct new entrance and stairway leading to 2nd floor.
Owner—L. Demattei, 6 Avery St., San Francisco.
Architect—None.
Contractor—Farnocchia & Co., 1814 Powell St., San Francisco. $750

FRAME FLATS
(1444) SE CALIFORNIA AND 31st Ave. Two-story and basement frame (4) flats.
Owner—Francis Ronicke, Care Contractors.
Architect—Harry M. Michelson, Phelan Bldg., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco. $15,000

ALTERATIONS
(1445) NO. 427 FORTY-FOURTH AVE. Minor alterations and additions for bed room and parlor.
Owner—Benjamin J. Smith, Premises.
Architect—None.
Day's work. $500

RESIDENCES
(1416) E FORTY-SECOND AVE 225, 250 and 275 N Irving. Three one-story and basement frame residences.
Owner—Frank B. Peake, 866 Flood Bldg., San Francisco.
Plans by owner.
Day's work. $3300 each

CLUB
(1447) S RAYMOND 50 W Alpha. One-story and basement athletic club.
Owner—Visitacion Valley Athletic Association, 105 Raymond Ave., San Francisco.
Architect—None.
Day's work. $3500

ALTERATIONS
(1448) 2322 HOWARD ST. Alterations & additions for dwelling.
Owner — Roman Catholic Archbishop, 1100 Franklin St.
Architect—None.
Day's Work. $1000

RECORDED

BUNGALOW
(1449) E TENTH AVE. 225 **N 10th Ave.** 25 x E 120. All work for a 1-story frame bungalow.
Owner—H. O. Lindeman.
Architect—None.
Contractor—W. R. Lindeman, 232 Anza.
Filed July 2, 1921; dated June 28, 1921.
Frame up $1325
Rough plaster on 1325
Completed 1325
Usual 35 days 1325
TOTAL COST, $5300
Bond, forfeit, none. Limit, 90 days. Plans and specifications filed.

CLASS C HOME
(1450) N HARRISON 122-6 E Fifth. Three-story and basement reinforced concrete Class C home.
Owner—Industrial Department of the Salvation Army, 870 Harrison St., San Francisco.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
Day's work. $50,000

ALTERATIONS
(1451) 218 POST. Alterations and additions for store.
Owner—Jaeger's Sanitary Woolwear System Co., Premises.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Contractor—Mullen Mfg. Co., 64-68 Rausch St., San Francisco. $7500

RESIDENCE
(1452) W THIRTY-EIGHTH AVE 315 N Geary. One-story and basement frame residence.
Owner—J. B. Frick, 445 38th Ave., San Francisco.
Architect—None.
Day's work. $2000

ALTERATIONS
(1453) 344 SUTTER. Erect board partitions; composition floor; tinting, etc., for tea room.
Owner—Hereth & Jones, Premises.
Architect—None.
Contractor—Antone A. Stauffacer, 226 13th St., San Francisco. $800

ALTERATIONS
(1454) SE ALABAMA AND TWENTY-fifth. Raise dwelling; concrete foundation; underpinning, etc.
Owner—A. Fetta, 3027 25th St., San Francisco.
Architect—None.
Day's work. $1000

ALTERATIONS
(1455) NO. 1213 FELL. Cut hatchway for elevator in 2nd floor of garage.
Owner—Mrs. M. Schneider, 348 Grand View Ave., Oakland.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Day's work. $600

RESIDENCE
(1456) W RAILROAD AVE 100 S Yosemite. One-story and basement frame residence.
Owner—Mrs. P. Filippo, 6 Aladin Terrace, San Francisco.
Architect—None.
Contractor — Filippo & Tarbitt, 6 Aladin Terrace, S. F. $4000

ALTERATIONS
(1457) 1861 UNION. Construct foundation and alter front windows.
Owner—Lacau, Premises.
Plans by Owner.
Contractor—T. B. Bourdieu et al, 804 Potrero Ave., S. F. $860

ALTERATIONS
(1458) E VALENCIA 212 S Twenty-first. Concrete foundation; floors for dwelling; plumbing, etc.
Owner—Julian W. Dresser, 1435 Galvez Ave., San Francisco.
Architect—None.
Contractor—Chas. Olsen, 1237 Evans Ave., San Francisco. $1000

RESIDENCE
(1459) N YOSEMITE 100 W Lane. One-story and basement frame residence.
Owner—Mrs. Anna Piraino, 1670 Mason St., San Francisco.
Architect—None.
Contractor — Filippo & Tarbitt, 6 Aladin Terrace, S. F. $3500

ALTERATIONS
(1460) 4860 CALIFORNIA. Alter for private garage.
Owner—Theo. Martin, Premises.
Plans by Contractor.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $1500

STATION
(1461) SW STOCKTON AND SACRAmento. One-story steel service station.
Owner—Shell Co. of California, 343 Sansome St., San Francisco.
Plans by Owners.
Day's work. $1400

RECORDED

COTTAGE
(1462) NE GRAFTON AND CAPITOL Ave N 25xE 100 Ptn Lots 6, 7, 8 and 9 Blk 14, Lakeview. All work for one and one-half-story frame cottage.
Owner—The McCarthy Co., 316 Bush, San Francisco.
Plans by Contractor.
Contractor——Jas. Arnott & Son, 4165 20th St., San Francisco.
Filed July 6, '21. Dated June 15, '21.
30 days after frame up..... 25%
30 days after brown coated..... 25%
30 days after..... 25%
Usual 35 days..... 25%
TOTAL COST, $3450
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1463) 1852-54 FELL. Re-arrange partitions making 4 apartments of two flats.
Owner—L. N. Leborie, 424 Lyon St., San Francisco.
Architect—None.
Day's work. $875

ALTERATIONS
(1464) 749 GREAT HIGHWAY. Alter waffle kitchen.
Owner—A. L. Klein, Premises.
Architect—None.
Contractor—C. J. McCarthy, 452 20th Ave., San Francisco. $900

ALTERATIONS
(1465) E MISSION 80 N Fifteenth. Increase height of center portion of building for scenic studio.
Owner—Edwin H. Flagg Scenic Studio Co., Pantages Bldg., S. F.

Plans by A. J. Rich Co., Agents.
Contractor—Edwin H. Flagg, Pantages Bldg., S. F. $1900

STORES
(1466) S SUTTER 85 W Taylor. One story and basement brick stores.
Owner——H. B. Johnson, Care Contractors.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $30,000

DWELLING
(1467) W THIRTY-FIRST AVE 200 N Clement. One-story and basement frame dwelling.
Owner—Geo. W. Witbeck, 3066 22nd St., San Francisco.
Architect—None.
Day's work. $3000

ADDITION
(1468) NW TOWNSEND & CLARENCE One additional story (Class C) for present structure.
Owner—California Wine Association, 460 Montgomery St., San Francisco
Architect—John H. Powers, 460 Montgomery St., San Francisco.
Contractor—John Biller, 460 Montgomery St., S. F. $15,000

GARAGE
(1469) 1326 GUERRERO. Erect private garage.
Owner—Mrs. Carter, 232 San Jose Ave. San Francisco.
Plans by Contractor.
Contractor—G. M. Merritt, 3014 Geary St., San Francisco. $900

ALTERATIONS
(1470) NO. 4714 GEARY. Move dwelling; construct concrete foundation and floor, etc.
Owner—Weissbein Bros., 582 Market St., San Francisco.
Architect—None.
Day's work. $500

ALTERATIONS
(1471) 2592 MISSION. General alterations for interior and exterior of store.
Owner—E. Eisenberg. Premises.
Architect—None.
Contractor—Sandberg & Essmann, 501 4th St., San Francisco. $4000

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
July 1, 1921—E MONTGOMERY 67 S Bush S 20 E 77-6 S 67 E 60 N 154 W 60 S 67 N 77-6. California Pacific Realty Co to J D & J S Hannah.....July 1, 1921
July 2, 1921—LOT 2 BLK 3255 Balboa Terrace. W. Klaasen to Nelson Bros. .....June 28, 1921
July 2, 1921—LOT 1 BLK 3255 Balboa Terrace. J. Van Meurs to Nelson Bros. .....June 28, 1921
July 2, 1921—SW TWENTY-SECOND Ave. & Cabrillo. Ragner Monson to whom it may concern.June 29, 1921
July 1, 1921—E FIFTEENTH AVE 225 and 250 S California. Otto E Anderson to whom it may concern .....June 30, 1921
July 1, 1921—NE BUSH AND HYDE E 195 N 137-6 W 57-6 N 10 W 137-6 S 147-6. St. Francis Hospital Co to Mission Concrete Co.June 27, 1921
June 30, 1921—S GEARY 95 E 20th Ave 30x100. Bernard Hanretty to Thomas Hamill.....June 30, 1921
June 30, 1921—E TWENTIETH AVE 275 S Balboa S 25xE 120. Elizabeth Lagomarsino to whom it may concern.....June 30, 1921
June 29, 1921—W FOURTEENTH AV 99 N Cabrillo. S R Anderson to whom it may concern..June 29, 1921
June 28, 1921—BOUNDED S by Ocean Ave, E by Faxon Ave, W by Ashton Ave and having average depth of 1100. Pacific Hebrew Orphan Asylum & Home Society to Scott Co.....June 28, 1921
June 28, 1921—S GEARY 88 E 16th Ave E 25xS 100. Henry Friedman to whom it may concern.June 11, 1921
June 27, 1921—NO. 924 LAKE bet. 10th and 11th Aves. F W Francis to W H Upham.....June 24, 1921

LIENS FILED

SAN FRANCISCO COUNTY.

Recorded Amount
June 29, 1921—NE ELLIS & FILLmore E 137-6xN 120. Friedman Bros vs W K Washburn and Mary W McD Crawford.....$135
June 28, 1921—E LARKIN 100 N Post N 37-6xE 68-9. C Petersen & Co, $920; Ginsberg Tile Co, $550; C W Withington, $1312; James F Smith, $1600 vs George Brown Estate Co, J S Ourish and Heine Piano Co....
June 28, 1921—W TWENTY-SIXTH Ave 118 N Clement N 25 W 120 N 82 W 65-7½ SE 110-2¼ E 118 N 174-7. R Ouer (as Wedel Electric Co) vs David Lucid and Louis H Lee..$152.50

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount
June 28, 1921—SW O'FARRELL AND Mason W 183-6 S 137-6 W 25 N 137-6 E 25. Reinhart Lumber & Planing Mill Co to S E Chamberlain, J W Procter and Unit Constr Company .....
June 28, 1921—S SUTTER 135 E Mason E 45xS 137-6. Pope & Talbot to Chamberlain & Procter and Unit Constr Company .....
June 28, 1921—S SUTTER 135 E Mason E 45xS 137-6. C Petersen to Wm F Dunne and Unit Constr Co..
June 28, 1921—S SUTTER 140 E Mason E 45xS 137-6. Pacific Mfg Co to Unit Constr Co and Chamberlain & Procter Co .....
June 28, 1921—S O'FARRELL 183-9 W Mason S 85xW 25. C Petersen to Unit Constr Co and Chamberlain & Procter Co .....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

July 2, 1921—SW ELLIS & Anna Lane. W. F. Dunn to improvements on leased property.
June 27, 1921—SW EVANS AVE 360 SE Mendell SE 40xSW 100 Ptn Blk 97, Central Park Hd. J B Carrere as to improvements on property..

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2248	Pollard	Owner	5000
2249	Learmand	Kingsley	3675
2250	Holmes	Rose	1000
2251	Wood	Bullock	4000
2252	Corpe	Owner	400
2253	McCoy	Anderson	7000
2254	Brennon	Schwalm	12500
2255	Moore	Owner	5000
2256	Mills	Owner	750
2257	Cantos	Owner	2500
2258	Simmonds	Owner	5000
2259	Sorenson	Owner	2000
2260	Foreman	Merritt	5543
2261	Niska	Owner	2500
2262	Silverman	Malley	11000
2263	Robie	Broad	1300
2264	Fleming	Owner	2500
2265	Neary	Felt	7500
2266	Scheussler	Owner	3000
2267	Stevens	Barnard	935
2268	Marquis	Owner	6000
2269	Hutzler	Owner	1450
2270	Morey	Kulchar	500
2271	Sherman	Irish	3375
2272	Nelson	Owner	3000
2273	Walsh	Hull	500
2274	Sorenson	Owner	700
2275	Duxrich	Monroe	13500
2276	Tremble	Esterly	3900
2277	Oakland	Vaughn	39800
2278	Oakland	Vaughn	49655
2279	Lynch	Westlund	1700
2280	Weaver	Graff	12868
2281	Pallen	Owner	3800
2282	Wilkens	Kopendorfer	500
2283	Whitton	Owner	2500
2284	Heino	Owner	2500
2285	Landers	Owner	600
2286	Goldberg	Nall	2500
2287	Soares	Nall	2500
2288	Mezinka	Rogers	7000
2289	Butts	Corbett	495
2290	Grahm	Engler	948
2291	Bacher	Reno	1000
2292	Mork	Owner	500
2293	Cronin	McCullough	1200
2294	Manchester	Fredrickson	2000
2295	Morgan	Rankin	1150
2296	Van Dusee	Owner	4500
2297	Holdren	Pearce	750
2298	Smith	Owner	500
2299	Weitman	Fernandes	1000
2300	Oakland	Hopper	45896
2301	Same	Same	32300
2302	Wentz	Flittner	7082

PERMITS

DWELLING
(2248) ARROYO & RICARDO AVES., Piedmont. Two-story frame dwelling and garage.
Owner—A. J. Pollard, 77 Plaza Drive, Oakland.
Architect—None.
Day's work. $5000

DWELLING
(2249) E SEVENTY-FOURTH AV 874 N E-14th St., Oakland. One-story 6-room dwelling.
Owner—Jonathan F. Learmand.
Arcihtect—None.
Contractor—C. A. Kingsley, 2108 Hopkins St., Oakland. $3675

REPAIRS
(2250) 805 BROADWAY, Oakland. Fire repairs.
Owner—Mrs. A. P. Holmes.
Architect—None.
Contractor—A. H. Rose, 525 17th St., Oakland. $1000

DWELLINGS
(2251) E ELEVENTH AVE 50 and 75 S E-24th, Oakland. Two one-story 4-room dwellings.
Owner—Ellis Wood.
Architect—None.
Contractor—O. M. Bullock, 570 18th St., Oakland. $2000 each

ALTERATIONS
(2252) 4119 TERRACE, Oakland. Alterations.
Owner—W. R. Corpe.
Architect—None.
Day's work. $400

DWELLING
(2253) E VIEW 160 N John, Oakland. Two-story 10-room delling
Owner—C. P. McCoy, 1483 Wellington St., Oakland.
Architect—None.
Contractor—Anderson & McCoy, 1483 Willimgton St., Oakland. $7000

RECORDED

(2254) N FORTY-FIRST 180 W Webster being Lot 6 Blk N Map No. 2 of subdivision of Ptn. Central Oakland Tract. E Telegraph Ave., Oakland. All work for two-story 15-room frame apartment house and three garages.
Owner—Mathew J. Brennon. Oakland.
Architect — Schirmer Bugbee Co., 524 Thayer Bldg., Oakland.

Contractor—Harry Schwalm, Hayward
Filed June 30, '21. Dated June 29, '21.
Sheathing on $3125
Brown coat plaster on..... 3125
Completed and accepted..... 3125
Usual 35 days..... 3125
TOTAL COST, $12,500
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit also applied for today.

FOUNDRY
(2255) FOOT OF ADELINE ST., Oakland. One-story brass foundry.
Owner—Moore Shipbuilding Co.
Architect—None.
Day's Work. $5000

ADDITION
(2256) MILLS COLLEGE, Oakland. One-story addition.
Owner—Mills College.
Architect—None.
Day's Work. $750

DWELLING
(2257) N E-SEVENTEENTH ST. 100 E 18th Ave., Oakland. One-story 4-room dwelling.
Owner—L. Santos, 2212 E-17th St., Okd.
Architect—None.
Day's Work. $2500

DWELLING
(2258) W SPRUCE ST. 400 N Park Blvd., Oakland. One-story 6-room dwelling.
Owner—L. Simmonds, 3833½ Whittle St., Oakland.
Architect—None.
Day's Work. $5000

DWELLING
(2259) N E-TWENTIETH ST. 80 E 27th Ave., Oakland. Two-story 4-room dwelling.
Owner—John Sorenson, 2004 27th Ave., Oakland.
Architect—None.
Day's Work. $2000

RECORDED

ALTERATIONS
(2260) TWELFTH & Washington St., Oakland. Alterations & repairs to entrance, Foreman & Clark store.
Owner—Foreman & Clark, Los Angeles
Architect—None.
Contractor—Geo. Merritt, S. F.
Filed July 2, 1921; dated June 22, 1921
Three payments of 25%
Usual 35 days .....balance
TOTAL COST, $5543.50
Bond, none. Forfeit, $50 day. Limit, 30 days. Plans and specifications filed

DWELLING
(2261) 1137 ALLSTON WAY, Berkeley. One-story 4-room dwelling.
Owner—Aaro Niska, 2432 9th St., Berkeley.
Architect—None.
Day's work. $2500

DWELLING, ETC.
(2262) W CLAREMONT AVE 150 S Prince, Berkeley. Two-story 10-room dwelling and two stores.
Owner—M. Silverman, Claremont and Prince Sts., Berkeley.
Architect—None.
Contractor—H. Malley, 2947 West St., Berkeley. $11,000

REPAIRS
(2263) 1533 HENRY, Berkeley. Fire repairs.
Owner—Mr. Roble.
Architect—None.
Contractor—A. H. Broad, 2117 Kittredge St., Berkeley. $1300

DWELLING
(2264) S PARKER 74 E San Pablo Ave., Berkeley. One-story 5-room dwelling.
Owner—Archie B. Fleming, 154 Lake St., Oakland.
Architect—None.
Day's work. $2500

GARAGE
(2265) 2564-66-68 TELEGRAPH AVE., Berkeley. One-story brick garage
Owner—N. E. Neary, 612 25th St., Okd.
Architect—None.
Contractor—R. D. Felt, 180 Jessie St., San Francisco. $7500

DWELLING
(2266) E VINCENTE ROAD 255 S Visalia, Berkeley. One-story 4-room dwelling.
Owner—H. H. Scheussler, 2436 Telegraph Ave., Berkeley.
Architect—None.
Day's work. $3000

ADDITION
(2267) 938 CHESTNUT ST., Oakland. Addition.
Owner—Mrs. Stevens, premises.
Architect—None.
Contractor—C. S. Barnard, 591 24th St., Oakland. $935

DWELLINGS
(2268) W FORTIETH AVE. 175-210 S Santa Rita, Oakland. Two 1-story 5-room dwellings.
Owner—E. M. Marquis, 2827 Russell St., Bkly.
Architect—None.
Day's Work. $3000 each

ADDITION
(2269) FRUITVALE ACRES, Oakland. Addition.
Owner — Joe Hutzler, 2817 Viola St. Oakland.
Architect—None.
Day's Work. $1450

ALTERATIONS
(2270) HENSHAW BLDG., Oakland. Alterations.
Owner—Morey & Brashear.
Architect—None.
Contractor—S. Kulchar & Co., 8th Ave. & E-10th St., Oakland. $500

ALTERATIONS
(2271) 1701 LINDEN ST., Oakland. Alterations & erect garage.
Owner—F. H. Sherman, 1805 Linden St., Oakland.
Architect—None.
Contractor—H. E. Irish, 2214 Clement Ave., Alameda. $3375

DWELLING
(2272) E MAPLE AVE. 100 S Hopkins St., Oakland. One-story 5-room dwelling.
Owner—Mrs. Cora Nelson, 3550 Maple Ave., Oakland.
Architect—None.
Day's Work. $3000

DWELLING
(2273) LOT 2 BLK A Glenwood Park, Oakland. One-story 1-room dwlg.
Owner—Hattie Walsh, c-o Globe Groc. Co., S. F.
Architect—None.
Contractor — W. E. Hull, 5410 College Ave., Oakland. $500

DWELLING
(2274) S REDDING ST. 125 E Loma Vista, Oakland. One-story 2-room dwelling.
Owner — L. P. Sorenson, 1432 Harmon St., Oakland.
Architect—None.
Day's Work. $700

APARTMENTS
(2275) SW COR ROSE & PLEASANT Valley Ave., Oakland. Two-story 16-room apts.
Owner — Dr. L. R. Duxrich, 1736 12th Ave., Oakland.
Architect—None.
Contractor—J. W. Monroe, 4612 Grove St., Oakland. $13,500

DWELLING
(2276) S SANTA CLARA AVE. 100 E Jean St., Okd. Two-story 3-room dwelling & garage.
Owner—C. E. Tremble, Perry St., Okd.
Architect—None.
Contractor—B. H. Esterly & Sons, 824 37th St., Oakland. $3900

SCHOOL
(2277) W EIGHTY-FIFTH AVE. 20 S A St., Oakland. One-story school.
Owner—City of Oakland.
Architect—None.
Contractor—M. C. Vaughn, 357 12th St., Oakland. $39800

SCHOOL
(2278) W EIGHTY-FIRST AVE. 460 S Plymouth, Oakland. One-story school.
Owner—City of Oakland.
Architect—None.
Contractor—M. C. Vaughn, 357 12th St., Oakland. $49655

RECORDED

ALTERATIONS
(2279) E ETNA ST. 200 S Parker St. S 50 E 135, Berkeley. Alterations & addition to dwelling.
Owner—Matthew C. Lynch, 2617 Etna St., Bkly.
Architect—Edw. B. Seely.
Contractor—Fred J. Westlund, 351 12th St., Oakland.
Filed July 5, 1921; dated June 28, 1921.
Ready for plaster $500
Completed 700
Usual 35 days 500
TOTAL COST, $1700
Bond, $850. Surety, Globe Indemnity Co. Forfeit, $10 day. Limit, 36 days. Plans and specifications filed.

GARAGE
(2280) LOTS 13 AND 14 AND E 200 Lot 12 Amended Map College Heights, Oakland. All work for one-story garage.
Owner — Weaver-Wells, 3321 Broadway, Oakland.
Architect—None.
Contractor—Edwin C. Graff, 355 12th St., Oakland.
Filed July 5, '21. Dated June 21, '21.
Floor in ..... ¼
Walls in place..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $12,868
Bond, $6434. Surety, Globe Indemnity Co. Limit, 90 days after June 30. Forfeit, none. Plans and specifications filed.

DWELLING
(2281) N CAPISTRANO AVE 400 E Colusa, Berkeley. One-story six-room dwelling.
Owner—A. H. Pallen, 686 61st St., Oakland.
Architect—None.
Day's work. $3800

GARAGE
(2282) 609 CENTRAL AVE., Alameda. Garage.
Owner—J. H. Wilkens, 1408 Park St., Alameda.
Architect—None.
Contractor—L. Kopendorfer, 2204 Lincoln St., Alameda. $500

ALTERATIONS
(2283) 2534 HILLEGASS, Berkeley. Alterations.
Owner—B. F. Whitton, 2614 Telegraph Ave., Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(2284) S MONTEREY AVE 160 E Sonoma, Berkeley. One-story five-room dwelling.
Owner—O. E. Heino, 1927 Haste St., Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(2285) N BOEHMER 30 E Derby, Okd. One-story 3-room dwelling.
Owner—David Lander, 964 Market St., Oakland.
Architect—None.
Day's Work. $600

DWELLING
(2286) E MINNA AVE. 170 S Penniman, Oakland. One-story 5-room dwelling.
Owner—S. Goldberg, 2561 E-16th St., Oakland.
Architect—None.
Contractor — Geo. Nall, 930 41st St., Oakland. $2500

DWELLING
(2287) E MINNA AVE. 200 S Penniman, Oakland. One-story 5-room dwelling.
Owner—Henry Soares, 1526 E-17th St., Oakland.
Architect—None.
Contractor — Geo. Nall, 930 41st St., Oakland. $2500

FLATS
(2288) N RICH ST. 75 W Webster St., Oakland. Two-story 6-room flats & garages.
Owner—G. Mezinka.
Architect—None.
Contractor—J. F. Rogers, 321 Oakland Ave., Oakland. $7000

ALTERATIONS
(2289) 468 TWELFTH ST., Oakland. Alterations.
Owner—L. R. Butts.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. $495

ALTERATIONS
(2290) NO. 2823 ASHBY AVE., Berkeley. Alterations.
Owner—Grahm, Premises.
Architect—None.
Contractor—Louis Engler, 2940 Forest Ave., Berkeley. $948

ALTERATIONS
(2291) 2020. CALIFORNIA, Berkeley Alterations.
Owner—Henry Bacher.
Architect—None.
Contractor—Stephen H. Reno, 1745 Lincoln St., Berkeley. $1000

GARAGE
(2292) 1041 HEARST AVE., Berkeley. Garage.
Owner—Walter Mork, Premises.
Architect—None.
Day's work. $500

ALTERATIONS
(2293) 2131 PARKER. Berkeley. Alterations.
Owner—Paul Cronin, Premises.
Architect—None.
Contractor—H. McCullough, 1641 Allston Way, Berkeley. $1200

SCHOOL
(2294) 3037 TELEGRAPH AVE., Berkeley. One-story school.
Owner—G. P. Manchester, 55 Shasta St., Berkeley.
Architect—None.
Contractor—Peter Fredrickson, Haste St., opp. Lafayette Apts., Berkeley. $2000

ALTERATIONS
(2295) 1814 ALICE, Oakland. Alterations.
Owner—Harriet Morgan, Premises.
Architect—None.
Contractor—S. G. Rankin, 719 Haddon Road, Oakland. $1150

DWELLING
(2296) S ESTATE 400 W Moraga Road Oakland. Two-story 7-room dwlg
Owner—Alma E. Van Dusee, 3814 Randolph Ave., Oakland.
Architect—Paul A. Needham, 1529 Broadway, Oakland.
Day's work. $4500

DWELLING
(2297) 2971 MARS, Oakland. One-story 3-room dwelling.
Owner—Frank Holdren, 1666 12th St., Oakland.
Architect—None.
Contractor—R. Pearce, 2971 Mars St., Oakland. $750

ADDITION
(2296) 3418 SCHOOL, Oakland. Addition.
Owner—W. L. Smith.
Architect—None.
Day's work. $500

STORE
(2299) W SEVENTH AVE 25 N E-11th, Oakland. One-story store.
Owner—C. L. Weitman, 630 E-11th St., Oakland.
Architect—None.
Contractor—Jos. Fernandes, 946 E-11th St., Oakland. $1000

SCHOOL
(2300) THIRTY-SEVENTH AVE AND E-12th St., Oakland. One-story school.
Owner—City of Oakland.
Architect—None.
Contractor—M. E. Hopper & Son, 1117 Webster St., Oakland. $45,896

ADDITION
(2301) TWENTY-NINTH AND ELMwood Aves., Oakland. One-story gymnasium addition.
Owner—City of Oakland.
Architect—None.
Contractor—M. E. Hopper & Son, 1117 Webster St., Oakland. $32,300

RECORDED

DWELLING
(2302) NW WOODLAND AVE. AND Davis Court SW 100xNW 107, San Leandro. All work for two-story frame dwelling.
Owner—John T. Wentz, 2208 34th Ave. Oakland.
Architect—None.
Contractor—Jos. Flittner, 1700 35th Ave., Oakland.
Filed July 7, '21. Dated July 6, '21.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $7032
Bond, none. Limit, 60 days. Forfeit, $1. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY.

Recorded Accepted
June 30, 1921—W DOMINGO AVE Ptn Lot 3, Ball & White Tract E Telegraph Ave, Berkeley. L L Hotchkiss .....June 29, 1921
June 27, 1921—LOT 45, Piedmont-by-the-Lake, Oakland. J T Kingrea to whom it may concern....June 1, 1921
June 28, 1921—LOT 87 BLK 731-2200, Map Oak Park Tract, Oakland. B O Rasmussen to W C Marshall..... .....June 22, 1921
June 28, 1921—W NINETY-SECOND Ave 85 N Cherry, Oakland. Fred H Sargent to S G Rankin..... .....June 28, 1921
June 28, 1921—LOT 9 BLK G, Map G. Bryant Tract, Berkeley. Elias Larsen to whom it may concern... .....June 27, 1921

HOMESTEADS

ALAMEDA COUNTY

July 2, 1921—LOT 14 BLK 4, Daleys Scenic Park, Berkeley. Annie Dreyer (wf Charles).....$5000
July 1, 1921—LOT 18 W 10 Lot 19 Steele Tract, Berkeley. Neola Cronin (wf Paul).....$5000
July 1, 1921—PTN LOTS 7, 8 AND 9, Blk 2, Map Encinal Tract No. 3, Alameda. Olive K Clarke (wf William I) $4500
June 30, 1921—LOT 9 BLK 20 of said Lot Block Map of Northern Addition to Town of Livermore. Flora Servantz (wf Joseph)..$2000
June 30, 1921—LOT 8 BLK F, Boulevard Villa Tract, Brooklyn Tp Selma E Rickert (wf J W)....$4000
June 30, 1921—LOT 33 BLK A, Map Bay Park Tract, Alameda. Belle M Wilson (wf Arthur J).....$4500
June 28, 1921—LOT 2 Map Fruitvale Addition Tract, Brooklyn Tp. Mary Agnes Kendall (wf J D) $3000
June 28, 1921—BANCROFT WAY & McGee Ave, Berkeley. Mary Elsie Norton (wf Edward M) $3250
June 28, 1921—W MILVIA 160¾ S Vine, Berkeley. Josephine L Moran (widow) $5000

Notice of Non-Responsibility

ALAMEDA COUNTY

June 29, 1921—LOT 11 BLK 18, Map Lakeshore Highlands, Oakland. Lakeshore Highlands Co as to improvements on property.....

LIENS FILED

ALAMEDA COUNTY

June 28, 1921—S FIRST bet K and L Sts. (Safford Bldg.), Livermore. L R Altamirano and Chas M Nissen and E G Wente (Independent Lumber Co) vs H H Wilder and Mary A Safford $99.65
Recorded Amount
June 21, 1921—LOTS 51 AND 52 BLK 6 Key Route Heights Tract, Oakland. Bay Wrecking Co by Chas A Fitch vs J J Wilson....$162

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
June 22, 1921 — LOT 20 & 21 Map Crocker Terrace, Piedmont. Roberts Mfg. Co. vs R. H. & Sophie Marchant $1900
June 22, 1921 — LOTS 20 & 21 Map Crocker Terrace, Piedmont. Thos. F. Rigney Tile Co. vs R. H. & Sophie Marchant & L. L. Lucas... .....$395.40

BUILDING CONTRACTS

SACRAMENTO COUNTY.

FRAME BUILDING
LOT 160 W & K TRACT 24, Sacramento. One-story frame building
Owner—Rose Keil.
Architect—None.
Contractor—Wm. C. Keating, 1714 27th St., Sacramento. $4800
Filed June 28, '21. Dated June 28, '21.

BUILDING
PTN. S ½ TRACT 229, Orangevale Co. Building.
Owner—Orangevale Fruit Growers Exchange.
Architect—None.
Contractor—F. A. Holdener, 2310 J St., Sacramento. $5606
Filed June 28, '21. Dated June 27, '21.

SCHOOL
EIGHTH AND NINTH AVES., 45th St. and Stockton Blvd., Stockton. Two-story brick and concrete school.
Owner—Sacramento City School District.
Architects—Hemmings-Petersen & Hodnutt Archt'l & Eng. Commis-

sion, Library Bldg., 9th and L Sts., Sacramento.
Contractor—K. E. Parker Co., Clunie Bldg., San Francisco. $124,400

ALTERATIONS
812 NINTH ST., Sacramento. Remodel front of building.
Owner—W. M. Tryon, Pacific Bldg., San Francisco.
Architect—None.
Day's work. $1000

FRAME DWELLING
1707 THIRTY-FIFTH ST., Sacramento One-story 5-room frame dwelling.
Owner—S. Martinelli, 415 P St., Sacramento.
Architect—None.
Day's work. $4000

ALTERATIONS
226 MONTGOMERY WAY, Sacramento Remodel front of bakery.
Owner—Kaesers Bakery, 3226 Montgomery Way, Sacramento.
Architect—None.
Contractor—T. Schluckebier, 2660 Marshall Way, Sacramento. $2500

DWELLING
1937 FORTY-NINTH ST., Sacramento. One-story 3-room dwelling.
Owner — Frank Veglia, 1733 49th St., Sacramento.
Architect—None.
Contractor—J. P. Howell, 1847 47th St., Sacramento. $400

DWELLING
1719 THIRTY-EIGHTH ST., Sacramento One-story 5-room frame dwelling and garage.
Owner—T. L. Davies.
Architect—None.
Contractor — T. B. Hunt, 2926 S St., Sacramento. $4600

ADDITION
4219 FOURTH AVE., Sacramento. Add room & porch to dwelling.
Owner—W. S. Buckler, 4219 4th Ave., Sacramento.
Architect—None.
Contractor — H. S. Barnes, 2551 P St., Sacramento. $500

STORES
1016 TWENTIETH ST., Sacramento. Two-story brick bldg. (stores & 6 flats).
Owner—Miller & Skelton, 1400 K St., Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento. $35,000

GARAGE
2900 M STREET, Sacramento. One-story brick garage.
Owner—R. M. Muddox, 1215 33rd St., Sacramento.
Architect—None.
Day's Work. $7750

DWELLING
1715 V STREET, Sacramento. Set up & remodel frame dwelling.
Owner—A. Maloney, 1801 U St., Sacto.
Architect—None.
Day's Work. $400

DWELLING
5328 SECOND AVE., Sacramento. One story frame 6-room dwelling.
Owner—F. Gibson, 5328 2nd Ave., Sacramento.
Architect—None.
Day's work. $1200

DWELLING
245 PORTOLA WAY, Sacramento. Six-room frame dwelling.
Owner—F. R. Merwin, 2527 30th St., Sacramento.
Architect—None.
Day's work. $3500

GARAGE
4559 EIGHTH AVE., Sacramento. Stucco and concrete garage.
Owner—C. S. Hullen, Premises.
Architect—None.
Contractor—W. Briggs. $3000

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
July 1, 1921—LOT 13 BLK 3, Maple Park Addition, Sacramento. Wm C Keating to whom it may concern .....May 31, 1921
June 30, 1921—LOT 26 BLK 6, Central Addition to San Mateo. David Haule to whom it may concern... .....June 29, 1921

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
LOTS 15 AND 16 BLK 4, Van Ness Heights, Fresno. Dwelling and garage.
Owner—W. R. Thomas, 1937 Sarah St., Fresno.
Architect—None.
Day's work. $3000

REPAIRS
715 M ST., Fresno. Repairs.
Owner—Mrs. C. Marshall.
Architect—None.
Day's work. $2500

REPAIRS
NO. 729 M SE., Fresno. Repair.
Owner—Mrs. C. Marshall.
Architect—None.
Day's work. $5000

DWELLING
LOTS 29 AND 30 BLK 46, K. B. Heights, Fresno. Dwelling.
Owner—J. Cocola.
Architect—None.
Day's work. $3500

ALTERATIONS
1006 FORTHCAMP AVE., Fresno. Alterations.
Owner—Our Lady of Victory Church, Premises.
Architect—None.
Day's work. $500

SHED
719 T ST., Fresno. Lumber shed.
Owner—Harris & Pentigrass.
Architect—None.
Contractor——Dan Blosser, 3212 El Monte Way, Fresno. $2000

ADDITION
3403 MONO ST., Fresno. Addition to dwelling.
Owner—The Logan Auto Co., 1515 Broadway, Fresno.
Architect—None.
Day's work. $1000

GARAGE
137 VALERIA ST., Fresno. Garage.
Owner—J. S. Bristol, Premises.
Architect—None.
Contractor—W. Brown. $500

ADDDITION
860 AUGUSTA ST., Fresno. Addition to dwelling.
Owner—Geo. H. Weber.
Architect—None.
Contractor—A. Winkle. $800

DWELLING
143 TEHAMA ST., Fresno. Dwelling.
Owner—Jack Pretzer, 2160 Rose St., Fresno.
Architect—None.
Contractor—Pete Marks, 546 C St., Fresno. $500

DWELLING
3554 KERCKHOFF ST., Fresno. Dwelling.
Owner—J. W. Humphrey, Barstow Road, Fresno.
Architect—None.
Contractor—O. D. Atkins, 3338 Lowe St., Fresno. $6000

DWELLING
3428 PLATT AVE., Fresno. Dwelling.
Owner——Carl Gustafson.
Architect—None.
Day's work. $2500

DWELLING
1028 JONES ST., Fresno. Dwelling.
Owner—John Natali.
Architect—None.
Contractor—Tony Cerone. $6000

ALTERATIONS
817 T ST., Fresno. Alter barn.
Owner—C. Sonniksen, Premises.
Architect—None.
Contractor—R. F. Felchlin, Rowell Bldg., Fresno. $500

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
July 6, 1921—LOT 30, Strivers Tract, Fresno. M A Stivers to whom it may concern.....July 5, 1921
July 1, 1921—E ½ OF LOTS 22, 23 and 24 Blk 2, Van Ness Heights, Fresno. Geo C Boles to whom it may concern.....June 22, 1921
July 1, 1921—LOTS 13 TO 16 BLK 101, Fresno. Asbarez Publishing Co to whom it may concern..... .....April 8, 1921
June 30, 1921——LOTS 49 TO 52 BLK 8, Van Ness Heights, Fresno. J T Anderson vs Hazel Paul.....$275

LIENS FILED

FRESNO COUNTY

Recorded Amount
July 6, 1921—S ½ OF S ½ OF LOT 140', Fresno. Valley Lumber Co vs F M Dzotsikian.....$476
July 6, 1921—LOTS 26 TO 29 BLK 31, Fresno. Valley Lumber Co vs Garab-Tahloian $625
July 1, 1921—NO. 1137 A ST., Fresno. E M West vs L V Gates and Tony Saladino $294
July 2, 1921—N ½ OF SEC. 34, 14-18 Fresno. C C H Thomas vs B F Mackall $3158

BUILDING CONTRACTS

SAN MATEO COUNTY

Recorded Amount
BUNGALOW
CITY OF BURLINGAME. All work for frame bungalow, plastered exterior and garage.
Owner—Mrs. Lilly C. M. Jackson, San Francisco.
Architect—None.
Contractor—John W. Rutherdale, Redwood City.
Filed July 1, '21. Dated June 21, '21.
Roof on $1250
1st coat plaster on..... 1250
Completed 1250
Usual 35 days..... 1250
TOTAL COST, $5000
Bond, $—. Sureties, W. J. and George Hazlett. Limit, 60 working days. Forfeit, none. Plans and specifications filed.
NOTE:—Completed all bills to be paid; contractor to take $500, and if balance left from $5000 same to go to owner.

COMPLETION NOTICES

SAN MATEO COUNTY.

Recorded Accepted
July 6, 1921—LOT 6 BLK 1, Central Addition to San Mateo. John Wilson to G H Bunting.....Oct. 15, 1920
July 6, 1921—LOT 27 BLK 6, Central Addition to San Mateo. David Houle to whom it may concern..... .....July 6, 1921

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
July 2, 1921—SE 29 LOTS 1, 2 AND 3 Resbdvn Lots 1 to 6, inclusive; S ½ Lot 8 and Lots 9 to 45, inclusive, Rosvelt Oaks, Redwood City. A Hess, Arnold J Hess and Regina Hess (as A Hess & Co) vs E W and Florence W Magonder and E Daistater $360.62
June 30, 1921——LOT 3 BLK 68, Santa Ynez Park, San Mateo. San Mateo Planing Mill Co vs Eva F, Joseph F and Dollie McPhillips...

BUILDING CONTRACTS

SANTA CLARA COUNTY.

ADDITION
HOBSON ST., San Jose. Addition.
Owner—S. J. School Department.
Architect—C. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—R. O. Summers, 17 N-1st St., San Jose. $10,448

ALTERATIONS
15 W-SANTA CLARA ST., San Jose. Alter front.
Owner—Paul Butler, Premises.
Architect—None.
Day's work. $450

ADDITION
MORGAN HILL, Cal. All work except painting or heating for 1-story frame addition, gymnasium & work shop bldg.
Owner—Board of Trustees of the Live Oak Union High School District of Morgan Hill, Morgan Hill, Cal.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose, Cal.
Contractor — Al Compton, 547 N 17th San Jose, Cal.
Filed July 2, 1921; dated June 25, 1921.
As work progresses..... 75%
Usual 35 days 25%
TOTAL COST. $37,000
Bond, forfeit, none. Limit 150 working days from June 30, 1921. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded Accepted
July 2, 1921—PALM HAVEN, San Jose. Arthur & Florence R Wren to J H Miller.....July 1, 1921

LIENS FILED

SANTA CLARA COUNTY.

Recorded Amount
July 1, 1921—LOT 6 in the Peerless Tract, San Jose, Cal. Hubbard & Carmichael Bros. vs Rocco, Jennie &Michele Martorano..... ..$143.14

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

RESIDENCE
SOUTH VAN BUREN ST., Stockton. Residence .
Owner — J. O. Gossett, 934 S-San Joaquin St., Stockton.
Architect—None.
Day's work. $1950

RESIDENCE
WEST ACACIA ST., Stockton. Frame residence.
Owner—Mrs. Mary Manuel, 212 W. Acacia St., Stockton.
Architect—None.
Day's work. $1000

RESIDENCE
SOUTH VAN BUREN ST., Stockton. Residence.

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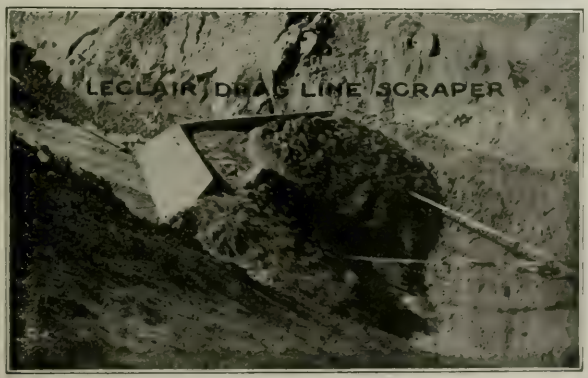

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Owner—J. O. Gossett, 934 S-San Joaquin St., Stockton.
Architect—None.
Day's work. $1950

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
July 1, 1921—STOCKTON High School Site, Stockton (Science Bldg.). C. G. Wakefield, J. R. Humphreys & H. R. McNoble to Edw. L. Gnekow .....June 29, 1921

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
July 2, 1921—N 140 ACRES OF SW ¼ of Sec 12, T. 2 S. R. 8 E, Stockton. D W Baysinger vs W C Bryant and W E Tollstrup.....$2900
July 1, 1921—LOTS 17, 18 & 19 BLK 9 Boggs Tract Sub No. 1, Stockton. Simpson-Gray Lumber Co. Corp. vs L. C. Soriani $73

BETHLEHEM STEEL ANNOUNCES PRICE REDUCTIONS

The Bethlehem Steel Co. announces further reductions in the price of steel. E. G. Grace, president of the company, said "present manufacturing costs do not in any sense warrant these reductions, but this company desires to contribute even more than its full share to re-establish conditions in the steel trade on what might be regarded as a normal basis."

The company's recently announced 15 per cent reduction in wages, becomes effective July 16.

The new prices show the following changes:

Bars, cut from $2.10 to $1.90; structural shapes, from $2.20 to $2; plates, from $2.20 to $2; sheet bar, from $39 to $35; billets, 4x4, from $37 to $33; slabs, from $38 to $34; blue annealed sheets, from $2.85 to $2.65; black sheets, from $3.75 to $3.50; galvanized sheets, from $3.75 to $3.50, and skelp, from $2.20 to $2.

"The new prices are a reduction of $4 a ton on bars, structural shapes, plates, skelp, billets, sheet bar, slabs, and blue annealed sheets; $5 a ton on black and galvanized sheets.

"Those items account for an increase in present day costs over pre-war costs of $20.59 a ton on finished products," he said. "The new price of $44.80 for structural steel is equivalent to a prewar price of $24.21 a ton, or $1.08 a lb.

UNIVERSITY OF CALIFORNIA COURSE IN SURVEYING

Surveying, taught by correspondence in a way that will be helpful to surveyors who want to brush up on theory, to architects and engineers, and to men working in surveying parties, is a course just completed by the Extension Division of the University of California. This course, "Elements of Surveying," is similar to other technical courses given by the University extension department, and gives theoretical training to men who have a practical knowledge of the subject, or fundamental instruction to persons who can not attend college.

The course is conducted from Room 301 California Hall, Berkeley. It has been prepared by Chas. C. Swafford, instructor in Civil Engineering, and is practically the same as that given on the campus at Berkeley.

The assignments include instruction in the measurement of lines; and in the adjustment and use of the compass, transit, level, and other surveying instruments. Methods of land surveying, plotting, and note taking are carefully described. No textbook is required for the course, nor does the student need to possess instruments, though the assigned field problems cannot be performed without them. This elementary course is to be followed by one of a more advanced character covering topographic, hydrographic, railroad and mine surveying.

STATE HIGHWAY WORK RELIEVES UNEMPLOYMENT

How important a part State highway work has taken in solving the problem of unemployment in California is shown by contracts let for State highways since the beginning of the year. In all 35 new contracts for approximately six million dollars worth of

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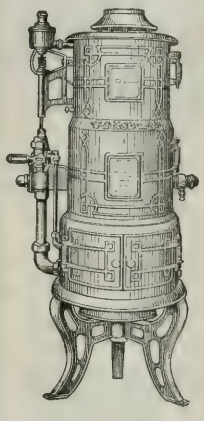
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work have been let by the California Highway Commission during the first six months of 1921.

This work was distributed all over California and in addition to the work under way constitutes a large factor in relieving unemployment conditions in California. Bids on other sections are being asked and a large highway program is well under way.

The extent to which this work is distributed is shown by the 1921 contracts that have thus far been let. These contracts are for work in the following counties:

Fresno, Tehama, Shasta, Santa Barbara, Kern, Humboldt, Butte, San Luis Obispo, Mendocino, Placer, Nevada, Sacramento, Amador, Solano, Tulare, San Mateo, Los Angeles, San Diego, Mono, Mariposa and Glenn.

LUMBER PRODUCTION IS BELOW NORMAL

For the week ending June 25, 104 mills in Western Oregon and Western Washington report production at 56,842,110 ft., which is 30 per cent below normal, according to the weekly review of the West Coast Lumbermen's Assn.

New business totaled 52,854,408 ft.

Shipments totaled 58,342,007 ft.

For delivery by rail, new business included 1239 cars; rail shipments, 1515 cars. Unshipped balance in the rail trade was 3938 cars.

Local business totaled 3,687,600 ft.

In the cargo trade, domestic orders totaled 7,266,808 ft.; export, 4,730,000 ft. Coastwise and intercoastal cargo shipments totaled 4,339,504 ft.; export shipments, 4,864,903 ft.

BETHLEHEM STEEL CUTS WAGES

The Bethlehem Steel Company announces a wage reduction at its Steelton plant of 15 per cent to be effective July 16 and all salaried employes will be cut 10 per cent effective August 1. The labor rate by the reduction is reduced from 32 to 27 cents, just half a cent higher than the rate paid on October 1, 1917. Along with the wage cut the company announced a reduction in rents to all houses owned by it from 8 to 10 per cent. The reduction in rents is said to wipe out all increases in rents made by the company during the past 15 years. The plant is now operating at about 30 per cent of capacity.

OAKLAND BUILDING PERMITS FOR JUNE, 1921

Classification of Buildings	No. of Permits	Costs
1-st. dwellings	132	$ 316,129
1-st dwlg & store	1	2,000
1-st 2 fmly dwlg	1	5,000
1½-st dwlg	5	21,500
2-st dwlg	6	42,250
2-st apts	4	64,500
3-st apts	1	20,000
2-st school bldgs	1	77,061
1-st stores	7	5,949
1-st toilet bldgs	2	8,375
1-st warehouse	1	2,165
1-st greenhouse	1	750
1-st factory	1	1,100
Water cooler	1	750
7-st r c hospital	1	650,000
1-st r c dwlg	1	10,500
2-st r c garage	1	1,500
1-st concrete garage	1	250
1-st tile garage	3	9,600
2-st brick factory add		15,000
1-st brick stores	1	15,000
1-st brick garages	1	5,200
1-st brick additions	2	21,500
Marquees	3	4,750
1-st boat repair shop	1	1,000
Garages & sheds	139	28,327
Electric signs	24	10,570
Additions	81	83,294
Alterations & repairs	110	62,013
Totals	533	$1,485,022

SUMMARY

New construction	423	$1,424,009
Alterations & repairs	110	62,013
Totals	533	$1,486,022

FRESNO BUILDING TOTALS FOR JUNE, 1921

The following is a report of building operations in the City of Fresno for the month of June, 1921:

New building	$ 200,410
Number of permits, 86.	
Total for year	1,534,045
Alterations and repairs	35,095
Number of permits, 70.	
Total for year	317,135

REINFORCED CONCRETE WHEELWAYS

A new use for reinforced concrete is proposed by Mr. Robert Drummond, the Surveyor to the Upper District of the Renfrewshire County Council. "Horseshoes," he says, "cut the sealing coat of bituminous roads, and when the surface is broken the rubbershod wheel rapidly causes disintegration and corrugations. The problem may, however," he states, "be solved by the introduction of wheelways, and experimental lengths of reinforced concrete tracks are to be laid in the Paisley and Cowglen roads, and if the scheme continues successful it may meet the difficulty of carrying mixed traffic and at the same time provide a foothold for horses."—Municipal Engineering, London.

CALIFORNIA WEEKLY BANK CLEARINGS

Bank clearings as reported to the California Development Board by the several clearing house cities for the week ending June 30, 1921, showing the amount of increase or decrease from the amount reported the corresponding week last year.

		Decrease
San Francisco	$116,100,000	$38,100,000
Los Angeles	74,434,000	50,000
Oakland	10,177,242	*1,045,060
Sacramento	3,728,553	1,399,994
Fresno	3,165,914	489,676
San Jose	1,214,217	623,070
Pasadena	2,527,372	*308,101
Bakersfield	1,082,129	*46,522
Long Beach	3,112,307	*790,483
Santa Rosa	306,119	62,919
Whittier	357,241	
Modesto	493,004	429,477
San Bernardino	1,056,367	

* Increase

LOWER RATES DENIED

Application of the National Sand & Gravel Producers' Association for lower rates on sand, gravel and crushed rock has been denied by the Railway Traffic Executives. This business involves about 25% of the total tonnage of the railways of the United States and fear that similar demands would be made for lower rates on other analagous commodities apparently influenced the action of the executives. Moreover they took the position that the claim that building would be stimulated by reduction of freight rates was purely speculative. Promise that the individual railways would consider special cases for rate relief was the only consolation which the sand and gravel producers obtained.

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Building & Engineering News

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San Francisco, Calif.

MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

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Official Paper of Vallejo Builders' Exchange

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FIREPROOF SCHOOLHOUSES

There is now a shortage of schoolhouses, just as there is a shortage of buildings for business and residential purposes. The great movement of the people to the cities during the past few years, when building operations have been so severely curtailed, has, of course, filled existing school buildings to overflowing. In many localities school is being held in portable and temporary structures and in some places in churches.

There has been ample time for the proper planning of new school buildings, so when construction of this type of buildings is resumed the errors of the past should be avoided and we should build better than ever before. What remains of the idle period should be utilized in proper planning.

Surely the time has come for the fireproof schoolhouse. Every school building, containing 4 rooms or over, should be built of the highest type of fire-resisting construction.

With the need for new school buildings so clearly defined, there is no excuse for cheap or flimsy construction. There must be no more firetraps built for helpless school children. — Editorial in Municipal and County Engineering.

WASHINGTON STATE TO HAVE HIGHWAY PATROL

Highways in Washington State will be patrolled regularly after August 1 by 25 men who will travel on motorcycles but who will not be "speed cops." Their organization will be known as the Highway Protection Force and their duty will be to prevent misuse of the roads and to enforce highway rules adopted by the last Legislature. One duty will be to report sections of roads in need of repair.

Bonds of $197,307,359 Voted For Road and Street Projects During Month of June

According to figures from reports to the Asphalt Assn., New York City, for the month of June, 1921, compared to figures for May, provision for future highway work in the United States and Canada, took a big spurt during the month just closed. During June a total of $179,307,359.36 in new bond issues for roads and streets were reported from 310 states, counties, townships, road districts and municipalities, compared to $164,371,353 from 259 similar divisions of Government having charge of highway work. This is an increase of $14,936,006.36 for June over May, making a total of $343,678,712.36 in new bond issues over and above the $1,000,000,000 previously available, or a grand total of $1,343,678,712.36 now available for highway work in the United States and Canada.

The reports show that greatest interest in highway improvement exists in Alabama, California, Florida, Connecticut, Idaho, Illinois, Kentucky, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, New Jersey, New York, N. Carolina, Ohio, Pennsylvania, S. Carolina, Tennessee, Texas, Virginia, Wisconsin and Wyoming. The southern states especially have been coming to the front. Pennsylvania, however, now leads the country in funds provided. Alaska, Arkansas, District of Columbia, Maine, Nevada, New Hampshire, N. Dakota, Rhode Island and Vermont, the figures show, are providing, on the other hand, very little in new bond issues and apparently are taking little interest in highway construction. Ohio leads the states in the number of new bond issues, having reported 63 in June and 49 in May, a total of 112. New York follows with a total of 52 and Pennsylvania was third with 44. North Carolina reported 36 and Texas 35. Virginia led in amount of bond issues for June, reporting a total of $51,419,000 last month as against $810,000 for May. Pennsylvania was second for June with a total of $26,078,000 and New York was third with $23,634,860. Texas reported June bond issues of $13,286,000 as against $3,681,000 in May.

The total amount of new highway bond issues made available in each State last month was as follows:

Alabama	$ 2,682,000
Arizona	75,000
California	4,878,000
Canada	3,329,016
Connecticut	309,000
Delaware	15,000
Florida	3,855,000
Georgia	835,000
Idaho	2,190,000
Illinois	8,839,000
Indiana	300,596
Kansas	134,000
Kentucky	320,000
Louisiana	202,000
Maryland	201,000
Massachusetts	469,000
Michigan	4,000,000
Minnesota	5,072,900
Mississippi	1,892,000
Missouri	425,000
Montana	395,000
Nebraska	181,300
New Jersey	7,007,500
New Mexico	875,000
New York	23,634,860
N. Carolina	1,966,000
Ohio	7,907,947
Oklahoma	150,000
Oregon	7,483,240
Pennsylvania	26,078,500
S. Carolina	1,440,000
S. Dakota	60,000
Tennessee	2,910,000
Texas	13,286,000
Utah	225,000
Virginia	51,419,000
Washington	416,000
West Virginia	39,000
Wisconsin	384,500
Wyoming	2,425,000

For May the reports of new bond issues were as follows:

Alabama	$ 1,087,000
Arizona	735,000
Colorado	5,000,000
Connecticut	40,500,000
Delaware	410,000
Florida	2,094,000
Georgia	1,045,000
Indiana	795,640
Iowa	750,000
Kansas	261,000
Louisiana	150,000
Maryland	120,000
Massachusetts	74,000
Michigan	3,195
Minnesota	1,783,131
Mississippi	520,000
Missouri	10,414,000
Montana	200,000
Nebraska	510,000
New Jersey	5,187,000
New Mexico	117,500
New York	2,109,242
N. Carolina	5,765,000
Ohio	14,596,139
Oklahoma	1,114,000
Oregon	1,006,000
Pennsylvania	53,453,000
S. Carolina	2,915,000
Tennessee	3,262,500
Texas	3,681,000
Virginia	810,000
Washington	129,000
West Virginia	21,000
Wisconsin	1,231,000
Wyoming	300,000

California, Canada, Idaho, Illinois, Kentucky, S. Dakota and Utah reported no bond issues in May, while Colorado and Iowa reported none in June.

For the two months combined the number of bond issues and their total value in each State were as follows:

13 in Alabama	$ 3,769,000
3 in Arizona	810,000
1 in California	4,878,000
4 in Canada	3,329,016
1 in Colorado	5,000,000
3 in Connecticut	40,809,000
2 in Delaware	425,000
18 in Florida	5,949,000
11 in Georgia	1,880,000
3 in Idaho	2,190,000
2 in Illinois	[illegible]
12 in Indiana	1,096,236
1 in Iowa	750,000
2 in Kansas	[illegible]
3 in Kentucky	[illegible]
4 in Louisiana	[illegible]

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The Observer

The Marin County Supervisors are contemplating the appointment of a County Engineer to plan a system of roads. It is planned to raise funds for construction through a direct tax and not by bond issue. D. E. Henry and B. H. Graff have filed applications for the position.

The fall national convention of the Society of Industrial Engineers will take place in Springfield, Mass., Oct. 5 to 7. The main subject will be "Industrial Stability," covering production, distribution and sales, finance, accounting and personnel.

The plant of the Monarch Lumber Co., Portland, Ore., was destroyed by fire July 9, entailing a loss of $150,000, covered by insurance.

James Emsley Stewart, a carpenter and builder of Oakland, and Raymond Harry Banning, similarly engaged, have filed in the United States District Court petitions in voluntary bankruptcy. Stewart scheduled his liabilities at $12,833.34, with assets of $750, while Banning says he has liabilities of $13,537.51, with assets of $550.

Ben Covell has been reappointed building inspector of Sacramento by City Engineer Albert Givan.

John F. Dodson of San Pedro, of the firm of Dodson & Butterfield, excavating contractors, died suddenly of heart disease July 4.

"Investigation of Warm Air Furnaces and Heating Systems," by Willard A. P. Kratz and V. S. Day, is the title of the latest bulletin to be issued by the Engineering Experiment Station of the University of Illinois. Copies of the bulletin (No. 12) may be had without charge by addressing the station at Urbana, Illinois.

C. J. Tower & Sons of Buffalo win in a customs case decided recently, in which certain maple flooring is held free of duty under paragraph 647 of the tariff act of 1913. This decision reverses the collector's assessment at the rate of 10 per cent ad valorem under paragraph 169.

Bricklayers Union No. 21, Visalia, Cal., vote voluntary wage reduction of $1 a day. Action was taken subject to approval of Building Trades Council.

Wigginton E. Creed, president of the Pacific Gas & Elec. Co., in a speech before the Optimists' Club predicted that within the next few years San Francisco will be the center of the steel industry. "The combination of electricity and the iron mines of California will make possible an industry that will rank with the steel industries of the East," Creed said.

Plumbers Union No. 262, Hanford, Cal., vote $1 a day reduction, effective immediately.

More business for Oakland. T. H. Frolich, engineer in the east bay district, is planning to finance construction of a glass factory covering five acres. The Severin Motor Car Co. of Kansas City has filed articles of incorporation with the Alameda County Clerk and has a site under consideration on which it plans to erect a factory.

With the county highway funds practically exhausted, all highway construction in Elko County, Nevada, has been ordered stopped by the County Commissioners. About $85,000 of the $90,000 appropriated has been expended.

The Brier Hill Steel Co., Youngstown, Ohio, employing about 10,000 men, announces a reduction in wages which will bring common labor from 36 to 30 cents an hour. The reduction, effective July 16, follows similar cuts announced by the Sharon Steel Hoop Co. and the Republic Iron Steel Co.

The official confirmation of the appointment of Commander Harold G. Bowen as Engineering Officer at the Mare Island Navy Yard has been received from the Navy Department. Commander Bowen will succeed Capt. M. E. Reed, who was recently appointed senior aide to the Commandant in charge of industrial activities.

S. J. Norris, City Engineer of Oroville, has been appointed engineer for the Hutchinson Lumber Co., and will have charge of the company's construction activities. Norris succeeds T. F. Phillips, who resigned.

Burlingame will get a 100-room hotel if a site is furnished for the structure, according to an announcement of J. J. McGrath, president of the Three Cities Chamber of Commerce.

ARCHITECT SAYS GENERAL CONTRACTOR IS NECESSARY

It is an old saw that "every cobbler should stick to his last" but Lawrence Mauran, former president of the American Institute of Architects, believes it still holds good in the case of architects. In an address before the Associated General Contractors of America at their recent convention at New Orleans, Mr. Mauran said:

"There are some architects today who advise their clients that a general contractor is an unnecessary 'middleman,' and they undertake for the owner those functions which they conceive are all that the general contractor has to offer in exchange for a very substantial profit. My own belief is that these men are wrong—that their viewpoint is narrow and warped, possibly by unfortunate experiences with individual contractors, whose aim was obviously the extraction of the maximum profit while the service rendered was that of a broker. I believe that every cobbler should stick to his last, and so I can no more see the advantage to the owner of such a method than I can see the propriety, in these days of highly specialized effort under competent guidance, of the course of an architect I know who prides himself on doing personally every branch of the work, foundations, design, structural engineering, plumbing, and all the engineering of every description. The result is not happy, as a whole, nor, I understand from competent critics, in many of its parts."

RELIEF OF NAVY CONTRACTORS

The Senate Committee on Naval Affairs has favorably reported the bill (S. 32) for the relief of contractors, sub-contractors and material men who have suffered loss by reason of Government orders.

The bill seeks to provide means for reimbursing contractors under the Navy Department, on contracts made between the declaration of war and the signing of the armistice, for losses and damage caused by governmental action

Section 1 covers claims on contracts entered into between April 6, 1917, and November 11, 1918, inclusive, and requires that such claims shall be in writing, verified under oath, and shall be submitted to the Secretary of the Navy within six months from the date of approval of the act.

Section 2 prohibits claimants whose entire volume of business with the Government during aforesaid period yielded a net profit of not less than 6 per cent from obtaining the relief carried in the bill.

Section 3 authorizes the Secretary of the Navy to obtain data, to make rules and regulations, to summon and examine witnesses, and to procure the books and papers of claimants, in carrying out the duties of the act.

Section 4 authorizes and directs the Secretary of the Navy to decide, find, fix, and determine the sum due any claimant, and also directs that in like cases should it be found that any liquidated damages are due the Government against such claimants the Secretary of the Navy shall so find.

Section 5 appropriates the sum of $25,000 to enable the Secretary of the Navy to carry out the provisions of the bill.

Similar legislation has already been enacted to apply to contracts of the Post Office Dept., public buildings work under the Treasury Dept., and rivers and harbors and other War Dept. contracts. This bill does not seek to legalize informal contracts, but only to open the way for the correction of apparent injustices which have arisen under contracts formally entered into and which were not foreseen when the contracts were made.

The measure has the approval of the acting secretary of the navy, and the following is quoted from his letter of June 8, 1921:

"I am strongly in favor of legislation of this kind which will do justice to the contractors and still safeguard the interests of the Government. I urge speedy action by the Congress. These claims have been pending for some time, and, with many of the small contractors, their allowance may mean the difference between solvency and insolvency. Our inability to meet all the claims works a hardship that should be removed as soon as may be."

NO CUT—NO BUILDING

Flat refusal on the part of building trades unions at St. Louis to accept a general 20 per cent wage reduction, or any suggested reduction, caused the Master Builders of that city to publish a communication advising the public not to undertake any construction projects "until such time as the workmen accept a wage that is more in harmony with general conditions as they now exist."

Judging by the St. Louis newspapers, this action has stirred up a great deal of comment. The Master Builders say that $40,000,000 worth of new construction is held in abeyance on account of high costs. The wage dispute with the labor unions has been going on since January 1 and the employees have been imprevious to all arguments for a wage scale based on payment of $1 an hour for skilled mechanics.

MR. ARCHITECT, MAYBE YOU CAN TELL US!

Why is wall space in the modern home shunned like the mumps or appendicitis?

Possibly they will answer utilitarianism—possibly they will say that people want it that way—possibly they will say that they, the architects, want things that way. What is the result? No pictures in the average home. The modern home has no space for pictures. They get in the way of the "inlaid" things, the built-in things, the built-out things, the arches and the solid oak things that are strewn about the insides, usually as meaningless and as useless as the stuffed bird under a glass dome that used to grace grandma's solid marble center table in the old home parlor.

In the average apartment, one with his knife or pencil point, if he be of an inquiring turn of mind, can find some remarkable products inlaid in the walls of the room. It is just as likely that behind a mirror, if said mirror is pried away from the wall, a folding bed will drop down or a fireless cooker set or a bird bath will be revealed. What is home nowadays without a built-in cupboard with a mirror and leaded glass and a big place where the dust can lodge? What is home without its golden oak archway or its missionized built-in bookcase? Here is a chance for a wall space—but no—seven dinky little leaded glass windows shatter it and make rest impossible. Rest—there is no rest! Everywhere the eye turns, new wonders leap at it, shatter the lines that might make for peace and quietude and then run away new wonders to perform on the bookcase or the missionized oak archway or the vacuum cleaner tube connection hiding coyly in the baseboard.

Artists are painting pictures the size of postage stamps in order to make sales at all. A picture 12x18 in. is about the limit that can be sold. A canvas 30x36 in. is impossible.

Artists will tell you of instances of times on end where pictures might have been sold except for the fact that the purchasers had no place to hang them. There is little of the restful beauty that comes from the association of good pictures in the average modern home. In a measure this typifies truly the modern tendency—business before beauty—utility before restfulness. The brief against the architect, as held by the artist, is a long one.—Bricklayer, Mason and Plasterer.

POTTERY PRODUCTION IN 1920 VALUED AT $105,700,000

A preliminary statement made public by the United States Geological Survey, Department of the Interior, shows that the pottery industry of the country in 1920 was in a prosperous condition. The value of the product, according to Jefferson Middleton, was the greatest yet recorded. No statistics of the quantity of ware produced are collected, but it is believed that not only was the value of the products the greatest in 1920 but that the bulk also was probably the largest ever made.

The demand for pottery during the early part of the year was unprecedented. The dearth caused by the reduction of imports during the war and the inability of the domestic producers to supply the demand created unusual conditions which prevailed throughout the year, some plants having enough orders on hand at the beginning of 1920 to keep them busy nearly the whole year. The continuation of the demand is the more remarkable in view of the large increase of imports of pottery during the year, which augurs well for the continued and increasing popularity of American made pottery.

Notwithstanding the great demand and the large value of the output the potters had many handicaps, chief among which were the shortage of fuel, especially in the western district, and the shortage of materials on account of transportation difficulties, both of which caused considerable loss in production, and it was well toward the middle of the year before anything like normal conditions prevailed in regard to fuel and transportation. The refusal of operatives to work full time and the decrease in output per man were further handicaps which it was impossible to overcome.

There were no general strikes in the industry, but the few minor ones that occurred were sufficient to cause serious loss in production.

Increased Production

The value of the pottery produced in the United States in 1920 is estimated at about $105,700,000, an increase of 39 per cent over the value in 1919. The increase in 1920 over 1918 was 65 per cent. As compared with the value in 1910 the value of the pottery marketed in the United States in 1920 increased 213 per cent, and as compared with that in 1900 it increased 434 per cent. Every kind of pottery classified by the Geological Survey increased in value except red and brown white-lined cooking ware and chemical porcelain, neither of which is produced in large quantities, for in 1920 they together amounted to less than 1 per cent of the total value. Whiteware, valued at $39,360,000, showed the largest increase, $9,660,000; sanitary ware, valued at $21,480,000, increased $7,000,000; porcelain electrical supplies, valued at $18,560,000, increased $6,370,000; china, valued at $11,060,000, increased $3,435,000. Stoneware, the fifth product in importance, was valued at $6,025,000, and increased $1,240,000. If chemical stoneware is added the value of stoneware was over $7,000,000, and the increase was $1,595,000.

Whiteware and china, which comprise the general household wares and which constituted 48 per cent of all pottery products, were valued at $50,420,000, an increase of $13,095,000. If to this sum is added the value of sanitary ware and porcelain electrical supplies, their value would be $90,460,000 or 86 per cent of the total value, an increase of $26,465,000 over the value in 1919.

Imports and Exports

The imports of pottery for consumption in the United States in 1920 were valued at $10,850,772, an increase of 50 per cent as compared with those in 1919. Some of this increase was due no doubt to the increase in the selling price of the ware, but the bulk of imports also increased very considerably in 1920.

Ninety-six per cent of the value of imports was that of the general ware, of which 93 per cent was decorated. Every variety of pottery classified by the Bureau of Foreign and Domestic Commerce increased in value but two — tobacco smoking pipes and earthenware and crockery not decorated. Decorated china showed the largest increase in value—$2,129,689—and decorated earthenware the next largest — $1,329,745. Notwithstanding the great home demand for pottery, the exports of earthen and stone ware, china, and sanitary ware (valued at $2,837,469) increased $601,823 in 1920 compared with 1919 and reached their highest value.

LOS ANGELES TO SELL MONOLITH CEMENT PLANT

Mayor Snyder has approved the ordinance authorizing the Los Angeles Board of Public Service to sell the Monolith cement plant to the U. S. Potach Co. for $450,000. This company is now operating the plant on a five year lease and the first annual rental of $22,000 will apply, under the terms of the agreement, on the purchase price. The Monolith plant was built in 1908 to supply cement for the construction of the aqueduct. Monolith is 220 miles north of Los Angeles in Kern County. During the period it was operated by the city, from March, 1909 to March, 1913, 899,884 bbls. cement were manufactured. Los Angeles county leased the plant in 1915 with an option to purchase for $550,000 but this lease was terminated by a court decision. The city operated the plant for a period in 1917 but shut it down in January, 1918. The U. S. Potash Co. took possession under its lease in 1920. The city's original investment, including lime and clay deposits and townsite, amounted to $896,000.

LOS ANGELES ARCHITECTS OFFER SERVICES TO PUBLIC

With the aim of providing the municipal, State and national Governments with the highest expression of the profession of architecture in designing, planning and constructing public buildings, an organization known as the Allied Architects' Assn. of Los Angeles has just been formed.

Thirty-three leading architects of the city, all of them members of the American Institute of Architects, have signified their willingness to devote themselves to public service and have affiliated with the organization.

It is not intended that the association shall perform architectural services for private individuals or corporations, it is stated in the articles of incorporation.

The association will offer its services to the Board of Supervisors for planning and constructing the Hall of Justice and to the Library Board for designing and constructing the new library.

Officers of the organization are Edwin Bergstrom, first vice-president; David C. Allison, second vice-president; John J. Backus, secretary; Henry M. Patterson, treasurer.

NEW ORDINANCES TO LICENSE PLUMBERS OF LOS ANGELES

Under the new city ordinance providing for examination and registration of plumbers, effective July 27, all master and journeymen plumbers in Los Angeles will be required to obtain a certificate of qualification. A board of examiners will be appointed, consisting of one master plumber, one journeyman plumber and a practicing physician: Compensation of the members will be $10 per day for not more than 4 meetings in one month. A secretary is to be provided by the Board of public works. An examining fee of $5 for master plumbers and $2.50 for journeymen is provided. No person except an apprentice may engage in the plumbing work without having first secured a certificate of registration from the secretary. Violation of the ordinance is punishable by fine of $10 to $500 or not more than 6 months in jail or both.

Properties and Advantages of Reinforced Concrete

By M. T. CANTELL
A. M. E. I. C., M., Amer. I. M. E., I. R. I. B. A. Editor of Western Canada Contractor

Reinforced concrete is a combination of Portland Cement, Concrete and Steel; two of the most important materials used for construction. If used separately, each has its advantages and disadvantages. If combined, each of the right quality and the materials used for the concrete properly proportioned, the resulting material will have the advantages of both concrete and steel and the disadvantages of neither.

Concrete alone has great strength in compression; its crushing resistance when only a month old being approximately 2,500 lbs. per square inch; its strength increases with age; over an unknown period, whether placed in the air or under water, it is practically everlasting; it is one of the best structural materials to resist heat; if well made it will cost nothing for maintenance; it has perfect santiary properties and can be easily moulded to any architectural or engineering forms. Its disadvantages are:—weakness in tension, being rarely able to resist more than 200 lbs. per square inch; it lacks ductility. Owing to this and to its weakness under tension, it cannot resit the slightest contraction under variations of temperature without developing cracks. Expansion and contraction under variations of temperature takes place with concrete as well as with all other materials, although to a less extent than in most others. These temperature cracks, as well as any other cracks, entirely destroy the slight tensional resistance the concrete might otherwise offer; consequently concrete alone can only be used for such structures or parts of structures as are in compression, and this in many cases necessitates a very large mass of concrete and consequently a much greater weight and demand on space than is desirable, or at times possible.

As an instance of this, take a retaining wall, which if built of plain concrete would need a thickness at its base of approximately half its height, but if built of reinforced concrete the thickness here need not be more than one-twelfth of its height and perhaps much less, according to the design adopted. Many similar instances could be given. It is therefore obvious that a great disadvantage of plain concrete is its bulk and consequent cost, weight, and demand on space.

In steel we have a material of great strength in both compression and tension, its ultimate resistance being as much as from 60,000 lbs. to 100,000 lbs. per square inch; it is also a material capable of being worked or framed into any desired form, but, unfortunately, its disadvantages outweigh its advantages for many structural purposes. Its strength diminishes with age; this is chiefly due to oxidation which takes place on exposure to moisture, acids, or to general atmospheric action. This oxidation is very rapid in structures that are not kept well painted and at laps or joints where it is impossible for paint to be applied, it is very detrimental to the strength of the steel. Numerous accidents with great loss of life have been due to this cause. Only one-fourth of an inch of rust on a bar three-quarters of an inch square will diminish its strength by 13 per cent or 20 per cent on a bar one-half inch square. Another disadvantage of steel is its susceptibility to heat; this it absorbs and conducts rapidly, causing excessive expansion and loss of strength under high temperature. Steel gains in strength with heat up to about 500 degrees fahrenheit, during which time it will expand as much as one inch in 26 feet. With a continued rise of temperature its strength rapidly diminishes and its expansion increases. In ordinary house fires the temperature seldom exceeds 1,000 degrees but in large buildings it is known to have exceeded 2,500 degrees, sufficient to fuse steel. The expansion even at 1,000 degrees causes a stress far beyond the limit for steel when at that temperature. Under these conditions the resistance offered by the loads and the fixed ends of steel bearers, stanchions and framed structures, prevents longitudinal expansion and causes a stress far beyond what the steel is capable of resisting, especially in its weakened condition; consequently, the beam or stanchion buckles and causes collapse of the structure. Firemen well know the great risk they run in figthing fires in large buildings in which the steel beams and columns are not properly protected. In a recent report of the fire superintendent of the City of London, England, it was stated that this was the greatest danger the firemen had to face.

Other disadvantages of steel structures are: High cost of maintenance and, in certain cases, their unpleasing and fragile appearance which suggests weakness rather than strength.

In reinforced concrete we have the great strength, toughness and frigidity of steel, the great durability and fire resistance of concrete, the appearance of stability and strength, the steel permanently protected from oxidation, no loss of strength with age, a saving of cost in construction, no outlay for maintenance, and a material adaptable to all forms of architecture and structural work.

Since the introduction and first use of reinforced concrete for details of building construction, experiments with a view to obtaining a thorough knowledge of its properties and of its suitability for various types of structures have been continuous. These experiments, together with the lapse of time and the severe tests to which it has been subjected in existing structures, prove conclusively its absolute reliability for the construction of all types of architectural and engineering structures.

It is now successfully used for the construction of all kinds of residences from workmen's cottages to millionaires' mansions, for small business premises and large skyscrapers, for hotels, churches, theatres, public buildings, hydro electric power stations, gas works, factory chimneys, reservoirs, aqueducts, water mains, sewers, grain elevators, bridges, roads, sea defense works, railway works, military fortifications, and numerous other purposes.

In a paper by Mr. M. S. Lang on Concrete in Railway Work, recently read before the National Association of Cement Users at Pittsburg, it was stated that the Railways of Canada and the United States found reinforced concrete to be the most durable and economical building material. They were now adapting it for all types of work including small ship buildings and even watch-boxes and telephone booths, as these could be constructed of reinforced concrete cheaper than of wood.

It is a method of construction which is fast superseding that of brick, wood, stone and steel, and is far superior to these in resisting water, fire, earthquakes and atmospheric influence. It is, however, of the utmost importance to bear in mind that of the valuable properties reinforced concrete possesses, few will exist if the work is not properly designed and executed, the latter is quite as important as the former, for if the greatest of care is taken with the design and careless supervision given to the construction, the result may be as bad or probably worse than if the work was poorly designed; in fact a poor design well constructed may give a much better result than a good design badly constructed.

he supervision should include careful inspection and testing of all materials; attention to the preparation, erection and removal of the forms, to the guage mixing and placing of the reinforcement according to the drawings and specifications, to the position and condition in which slabs and beams are left unfinished at the end of a day's work, to the condition of unfinished work before its continuation or completion, to the protection of newly finished work from building operations and inclement weather, and to the testing of work upon completion. All these points are of the utmost importance it we aim at the best possible results. It is therefore absolutely necessary that constant and expert supervision be given to the construction.

In designing the chief consideration is strength. This, however, should always be considered together with economy, which has not been done in the past to the extent it should have been, and this neglect has been very detrimental to the progress of the work, results of which have given the public the impression that reinforced concrete was more expensive than brick, stone or steel; but this is not the case. There is a great saving of cost on large structures and also on small ones, providing there is sufficient repetition of detail to keep down the cost of form construction. Economy in design, however, has often to be considered from two points of view; the engineering and the architectural. These will not always coincide. The most economical engineering structure would have a certain arrangement of beams, slabs, columns, walls, etc., all spaced and proportioned in the most efficient manner and with a definite percentage of reinforcement all determined with due regard to the loading and with a view to obtaining the strongest, most satisfactory and cheapest structure. But if these engineering points were the only ones considered by the architect the result in some cases would be very uneconomical. The engineering structure may be considered either a plain mass or a skeleton framework devoid of architectural embellishments. The architectural structure is the engineering structure made more presentable by the addition of fittings and embellishments.

Economy on the engineering side is purely structural and in a building it is obtained by keeping the floor slabs thin, by a free use of beams or columns and keeping the beams thin and deep, also by graduating the columns in size accordignng to their different loads. This from an architectural point of

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Problems of the State Highway Department

By CHARLES J. BENNETT,
State Highway Commissioner of Connecticut

Paper presented at the Conference on Highway Traffic Regulation, held at New Haven, Conn., May 23, 1921, under the auspices of Yale University.

In the past 10 years a complete transformation has taken place in the problems confronting the administrative officials of State highway departments. In the early days of highway development traffic was not a serious factor and was not considered extensively in the location and design of highway systems. At that time the administrative officer was generally a man who knew how to lay out highways simply with a view to improve their general condition satisfactory to local interests and to the accommodation of light vehicles. The result is that the State highway systems of those states which have participated for a longer time in the improvement of highways have been improved to an inferior degree of excellence and are not satisfactory to the traffic which is developing. For this reason the highway administrative engineer at the present time should become a student of transportation rather than of detail highway construction, for traffic has become the most important factor in the administration of public funds used for the development of highway systems. The highway engineer should be interested, furthermore, not only in transportation as it affects highways but in all classes of transportation in order that he may determine to what extent and for what facilities the highway program should be developed.

Development of Highway Transportation on Abnormal Lines

No one at the present time has any proper or correct conception of the place in the transportation scheme which the highway must fill. Due to several contributing causes, the development of highway transportation has proceeded along abnormal lines. There has been, naturally, a tendency to over-develop highway transportation. This over-development has been in the vehicle, generally, at the expense and to the detriment of the road. There has been a very consequent slacking off in the development of railroad facilities, due partly to the over-development of the motor vehicle as well as to the lack of funds and material for enlarging railroad activity.

We have had a very serious reduction in the rail transportation of passengers and freight. Some of this decrease is due to the proper development of the motor vehicle and some of it to its abnormal or unusual use. In the near future we must come to realize the proper place for each method of transportation in the general scheme, and the highway engineer is vitally interested in this problem. If we know to what type of traffic the highway is to be subjected our problem is somewhat simplified.

For purposes of discussion, we will dissect this subject, assume certain things regarding the traffic problem of the State highway departments and discuss facts or suggestions which may come from the division. Traffic may be divided roughly into two classes: (1) commercial traffic, including the motor truck; and (2) passenger or pleasure traffic, which includes all motor vehicles using the highway for carrying passengers. With slight exception it may be stated that the class of highway suitable for the carrying of commercial traffic will be adequate for the use of passenger vehicles. Our study of the commercial vehicle and its use and the suitable highway for this agency must, therefore, be the more careful.

Definite Knowledge of Certain Facts of Commercial Traffic Needed

In order properly to outline this problem we must know definitely several things about commercial traffic. It is evident that the motor truck has a proper place in the scheme of transportation and must be operated, to be economical within certain limits. Figures show conclusively that, under the present cost of operation of motor trucks, the maximum limit for the economic operation of motor trucks is approximately 125 miles. At this point, under present conditions and with freight rates as they exist, the cost of transportation by motor truck begins to exceed the cost of transportation by rail. Consequently, here is one definite limit, under present conditions, for the operation of the motor truck. As conditions change, however, this particular limit may be lowered or raised. For instance, if we increase materially the license fee on motor trucks, the economic limit of operation will be reduced. Conversely, if freight rates decline, the economic short haul limit for rail will be reduced. Connecticut, which lies midway between Boston and New York, is almost entirely within the above-mentioned economic truck operation distance from both New York and Boston. This is interesting and an indication of the condition which materially affects our railways in their transportation of local freight.

Motor Vehicles and License Fees

An analysis of the daily cost of truck operation shows that of a total operating cost of $26.09, 11 cents is spent for the license fee, or for that portion of the operating expense which pays for the use of the road. From the standpoint of road service it has been found by certain experiments that the operating cost per mile on a hard, smooth pavement is approximately one-half of the cost on an ordinary earth road. If the direct operating cost for the above-mentioned truck, including the cost of gasoline, oil and tires, is taken into consideration, the cost for these items is approximately $6 a day. If one-half of this sum is saved by road improvement, a daily saving of $3 will be made which, reduced into yearly license, would allow a maximum license, based on the saving in operation during 250 working days per year, of $750 as against $27.50 from the 11-cent-a-day fee. These figures throw a new light on this phase of the problem.

The problem of Connecticut, of course, is not the problem of Iowa or California. We have no immense distances. We are not developed agriculturally to any extent. The development of our highway system for the two classes of traffic mentioned above demands a return from the traffic using the road, because there is but slight local benefit accruing to abutting property owners. This, then, is the traffic problem of Connecticut, so far as the [illegible] department is concerned.

[illegible] incidentally, [illegible] of trucks. This is the [illegible] of the motor vehicle department. Our [illegible] with the development of our highway system in order to accommodate the commercial and passenger traffic and to develop this system by means of the funds secured from the agency which uses the highways—the motor vehicle. We are not prepared to say just what proportion will ultimately be paid by each type of vehicle. We hope to establish a definite relation between the commercial vehicle and the passenger car. We must not attempt to secure from the passenger car an amount in excess of the cost of service rendered. We should not, in the case of the commercial vehicle, subsidize it at the expense of the State and to the detriment of the railroad. We must endeavor to find out the proper place for each type of transportation so that we may be sound in our conclusions.

We know that the motor truck has come to stay and we realize that Connecticut is one of the most advantageous fields for its development. We consider it no more than fair to collect from the commercial vehicle a sufficient amount of money to provide for the extra service rendered by the highway to this agency. This is the traffic problem of the State Highway Department so far as [illegible] department itself. The width of highway, the type of [illegible] and the ruling grade are merely incidents which can be properly related to the economic vehicle limit when the same is found. I do not attempt to solve this problem, but merely to state it, and even then in only a nebulous manner.

The Problems of the Future

The future holds a great many problems. Before these may be solved they must be expressed in definite form. To [illegible] definite [illegible] made in these different equations information [illegible] secured. We have a two-fold problem. We must find the volume of traffic, which may ultimately use the highways to be developed and we must also construct a type of highway for the accommodation of this traffic which is satisfactory and suitable. Information at hand is meager. The effects of different types of traffic on different types of road surface must be secured. The volume of traffic must be taken at different seasons in the year at different points and a forecast of the ultimate traffic made therefrom. Studies of [illegible] stresses and [illegible] things suggesting themselves from the [illegible] must be made.

It will be interesting here to inject a statement as to the volume of traffic using the roads of Connecticut on a particular 3-day period. Early in May for 72 hours, the total number of vehicles counted at 56 points in the State was 240,900. These were divided into 204,300 passenger cars and 36,500 trucks. This information is simply preliminary. The volume at particular points is intense; at other points, the volume is light. Collecting these data and drawing inferences from them, we should be able eventually to find the [illegible] standpoint and determine the types of highways [illegible] points.

When it comes to the relation between amount of traffic and the cost of highways [illegible] another factor. It may be shown that even [illegible] tain types of pavements from the fore-

(Continued on page [illegible])

Building News Section

APARTMENT HOUSES

Plans to be Prepared.
APARTMENTS Cost, $40,000
STOCKTON, San Joaquin Co., Cal. SE American & Market Sts.
Two or three story store & apt. bldg. 50x150.
Owner—Eva G. Musto, 330 Della St., Stockton.
Architect—Not given.

LOS ANGELES, Cal.—J. G. Morgan, 512 N. Western Ave., Los Angeles, has a contract at $38,000 for the plumbing for the 8-story Class A reinforced concrete apartment house being erected at Long Beach for W. W. Paden. Ward Akeley Co., Long Beach, has the electrical contract at $7843. L. L. Jones and E. L. Mayberry, associated, architects and engineers, 468 Pacific Elec. Bldg., Los Angeles.

Completing Plans.
APARTMENTS Cost, $26,000
OAKLAND, Alameda Co., Calif. Grand Avenue and Jean Street.
Three-story frame and plaster apartments (7 4 and 5-room apts.)
Owner—Dr. J. J. Moyer, 690 Lakeshore Ave., Oakland.
Architect—Clay N. Burrell, 1st Trust Bldg., Oakland.

Completing Plans—Sub-Figures Being Taken.
APARTMENTS Cost, $20,000
SAN FRANCISCO. S West Clay 90 E 27th Avenue.
Two-story and basement frame (4) apartments.
Owner—Solomon Schwartz.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans Ready for Figures.
APARTMENTS Cost, $525,000
SAN FRANCISCO. NW Washington & Gough Streets.
Seven-story and basement reinforced concrete apartments (14 10-room apts.)
Owner — Wm. B. Wellman and W. F. Foster.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

Working Drawings Being Prepared—Ready for Figures About August 15th.
APARTMENTS Cost, $73,000
SAN FRANCISCO. Vicinity of Larkin and Geary Streets.
Four-story and basement 67-room apartment house.
Owner—Withheld.
Architect—Smith O'Brien, Humboldt Bank Bldg., San Francisco.

BANKS

Architects Taking Figures for Bronze Work.
ALTERATIONS Cost, $45,000
MODESTO, Stanislaus Co., Cal. SE 10th and I Streets.
Alter interior of bank in three-story brick building.
Owner—The Modesto Bank, 1001 I St., Modesto.
Architects—H. H. Winner & Co., Humboldt Bank Bldg., San Francisco.
Contractor—Hansen & Woods, Modesto

Completing Plans—Figures to be Take in About Two Weeks.
ALTERATIONS Cost, $50,000
SANTA ROSA, Sonoma Co., Cal. 4th and Mendocino Avenue.
Remodel present bank and install new equipment.
Owner—Exchange Bank, Santa Rosa.
Architects—H. H. Winner Co., Humboldt Bank Bldg., San Francisco.

Contracts Awarded for Grading and Reinforcing.
EXTENSION TO BANK Cost, $——
SAN FRANCISCO. W Sansome N of Market St.
Class A extension to bank bldg.
Owner—Anglo-London-Paris Natl. Bank.
Architect—Geo. Wm. Kelham, Sharon Bldg., S. F.
Engineer — V. J. Brunnier, Sharon Bldg., S. F.
Contractor—R. McLeran & Co., Hearst Bldg., S. F.
Construction Mgr.—P. J. Walker Co., Monadnock Bldg.
Grading awarded to Sibley Grading & Teaming Co.
Reinforcing to Gunn Carle Co.

BONDS

STOCKTON, San Joaquin Co., Cal.—Until August 1, bids will be received by supervisors for the purchase of $13,000 bond issue of Everett School District and $20,000 issue of Linden School District. Proceeds of the sale to finance construction of school buildings.

VISALIA, Tulare Co., Cal.—Bonds of $9,000 voted at a recent election in the Oak Grove School District to finance construction of a new school.

OROVILLE, Butte Co., Cal.—Supervisors appropriate $360,365 in current fiscal year budget for road improvement. H. H. Hume, County Engineer.

AUBURN, Placer Co., Cal.—This city at a recent election failed to vote bonds of $60,000 to purchase water distributing system of Pacific Gas & Elec. Co. and $20,000 for purchase of land for city park.

MODESTO, Stanislaus Co., Cal.—Bids will be received by the County Supervisors August 9 for the purchase of the $65,000 bond issue of the Newman School District and $13,000 issue of the Monte Vista School District; proceeds of the sale in each case to finance construction of a new school building.

RIVERDALE, Fresno Co., Cal.—An election will be held July 29 in the Riverdale Grammar School District to decide the question of issuing and selling bonds of $36,000 to finance construction of a new school building. Architect Anton Johnson, Kingsburg, has been commissioned to prepare plans for the proposed structure.

REDWOOD CITY, San Mateo Co., Cal.—August 26 is the date set by the Trustees of Sequoia High School District to vote on the question of issuing and selling bonds of $300,000 to construct a modern high school in Pissis Park property, recently purchased for the purpose.

CHURCHES

Plans Being Prepared.
CONCRETE BLDGS. Cost, $——
SAN FRANCISCO. Fell, Hayes and Pierce Streets.
Group of reinforced concrete buildings, including a cathedral, an auditorium, dormitory and educational buildings.
Owner—Orthodox Greek Cathedral.
Architects—Reid Bros., 105 Montgomery St., San Francisco.
The first to be erected will be an educational building of eleven or twelve rooms. It is planned to complete the entire group within three years.

Completing Plans — Figures to be Taken Next Week.
CHURCH Cost, $30,000
LOS BANOS, Merced Co., Calif.
One-story and basement reinforced concrete church.
Owner—Roman Catholic Church.
Architect—Chas. Fantoni, 550 Montgomery St., San Francisco.

Plans Being Prepared.
CHURCH Cost, $125,000
SEATTLE, Wash. Bdwy. & Olive St.
Brick & terra cotta church.
Owner—First Christian Church of Seattle.
Architect—Robt. H. Orr, 1301 Van Nuys Bldg., L. A.

Completing Plans.
CHURCH Cost, $——
SAN FRANCISCO. Ocean Ave.
One-story frame & plaster church.
Owner—Bethany Presbyterian Church
Architect—Miss Julia Morgan, Merchants Ex. Bldg., S. F.

FACTORIES & WAREHOUSES

Plans Being Figured.
BUILDING Cost, $——
MELROSE, Alameda Co., Cal.
One and three-story steel and brick building.
Owner—National Lead Co. of California 485 California St., San Francisco.
Architect—Engineering Dept. of Owner

Ready for Figures Thursday.
LOFT Cost, $43,000
OAKLAND, Cal. Franklin St. opp. 17th
Two-story reinforced concrete loft bldg
Owner—Withheld.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Prepared.
WHOLESALE BLDG. Cost, $——
Oakland, Alameda Co., Calif. Third & Broadway.
Reinforced concrete wholesale building.
Owner—Tillman & Bendel, Harrison & Embarcadero Sts., San Francisco.
Architects — Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Permit Applied For.
FACTORY Cost, $75,000
OAKLAND. W 19th Ave. S of S. P. tracks.
One-story frame factory.
Owner—Schartzer Illuminated License Plate Co., premises.
Archt. & Contractor—Edw. DeMar, 3080 Claremont Ave., Bkly.

LOS ANGELES, Cal.—Wurster Const. Co., Wholesale Terminal Bldg., Los Angeles, has a contract on a percentage basis for remodeling and constructing additions to the shop buildings at 1390 E. 7th St., in Los Angeles and converting them into a freight house for the Pacific Elec. Ry. Co. The work will include two 1-story and mezzanine additions, 50x76 and 50x111 ft., wrecking and rebuilding portions of the buildings, covered platform. Estimated cost, $80,000.

Plans Being Figured.
LOFT BLDG. Cost, $——
LOS ANGELES. 6th St. bet. Bdwy. & Hill Sts.
Three-story & basement Class A loft bldg. 42x115.
Owner—South Broadway Bldg. Co.
Architect — Edwin Bergstrom, 1128 Citizens Natl. Bank Bldg., L. A.

Contract Awarded.
PRINTING PLANT Cost, $25,000
SAN FRANCISCO. NE Commercial & Leidesdorff.
Two-story & basement concrete printing plant bldg.
Owner—L. H. Nishkian, 853 Monadnock Bldg.
Architect—Not given.
Contractor—J. H. Hjul, 850 Monadnock Bldg.

SACRAMENTO, Cal. — The Sacramento Lumber Co., 12th St., Sacramento, whose plant was recently destroyed by fire, will be re-built immediately, according to F. L. Connor, Manager of the firm. The first unit to be re-built will be the warehouse.

Contract Awarded.
COLD STORAGE BLDG Cost, $125,000
LOS ANGELES, Cal. Fifty-first and Alameda Streets.
Hollow tile cold storage building, 120 by 210.
Owner—C. M. Gay Engineering Co.
Architect—None.
Contractor—Fred L. Somers, 2650 Santa Fe Ave., Los Angeles.

RICHMOND, Contra Costa Co., Cal.—The Hoff Magnasite Company, with offices in the Monadnock Bldg., San Francisco, have bought an acre of ground in the industrial tract of W. A. Houts, in San Pablo, and will shortly construct a suitable building.

FIREHOUSES AND JAILS

Plans Being Figured—Bids Close Aug. 1, 1 P. M.
COUNTY JAIL Cost, $——
WEST POINT, Calaveras Co., Calif.
Reinforced concrete branch county jail.
Owner—County of Calaveras, A. W. Poe County Clerk, San Andreas, Calif.
Architect—County Engineer, San Andreas, Calif.
Certified check for 10% payable to County required with each bid. Plans and specifications may be had from the Clerk at San Andreas.

FLATS

Figures to be Taken Next Week.
FLATS Cost, $12,000
SAN FRANCISCO. 15th Ave. & Geary
Two-story frame & plaster flat bldg. (2 6-room flats).
Owner—R. W. Callahan.
Architect—H. C. Baumann, 251 Kearny St., S. F.

Figures to be Taken Next Week.
ALTERATIONS Cost, $5000
SAN FRANCISCO. 30th Ave. & Clement
Alter 2-story frame residence into 2 4-room flats.
Owner—W. Hall.
Architect—H. C. Baumann, 251 Kearny St., S. F.

To be Done by Day's Work.
FRAME FLATS Cost, $12,000
SAN FRANCISCO. SW California and Twenty-fourth Avenue.
Two-story and basement frame (4) flats
Owner—C. O. Clausen.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

GARAGES

Contract Awarded on a Percentage Basis.
GARAGE Cost, $——
OAKLAND, Cal. 30th St. near Telegraph Ave.
One-story reinforced concrete private garage 40x72 (glazed tile facing).
Owner—Withheld.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—E. T. Leiter & Son, 3601 West St., Oakland.

Plans Being Figured.
GARAGE Cost, $6,000
BERKELEY, Alameda Co., Calif. Panoramic Way.
Two-story frame private garage with living apartments.
Owner—Mrs. Mary Ferguson.
Architect—Walter T. Steilberg, Flatiron Bldg., San Francisco.

Plans Being Prepared.
GARAGE Cost, $35,000
OAKLAND, Cal. S Grand Avenue near Harrison Street.
Two-story reinforced concrete garage.
Owner—Withheld.
Architect—Clay N. Burrell, 1st Trust Bldg., Oakland.

Contract Awarded.
ADDITION Cost, $12,868
OAKLAND. N Hawthorne 200 W Bdwy.
One-story concrete addition to garage.
Owner—L. C. Ables.
Architect—Not given.
Contractor—Edw. C. Graff, 355 12th St., Oakland.

Contracts Awarded.
GARAGE Cost, $——
OAKLAND. W Alice St. 1058 N 13th St.
One and 2-story reinforced concrete & brick garage.
Owner—The Service Garage Co., 464 Calif. St., S. F.
Architect—Sidney B. & Noble Newsom, Nevada Bank Bldg., S. F.
Concrete work to F. E. Nelson, $8100
Carpentry work to Alfred Olson, Everson Bldg., Oakland, $14,190.
Brick work & tile roofing to A. G. Reed, 180 Jessie St., S. F., $6192.
Electric work to Advance Elec. Co., 530 12th St., S. F., $2370.
Painting to W. T. Baker Co., 333 14th St., Oakland, $1360.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Dept., for furnishing and delivering to navy yard the following materials, date for opening bids as noted at end of each paragraph:

Schedule 8439, Mare Island, 10,000 ft. garden and fire hose; opening of July 29

Schedule 8443, Mare Island, a miscellaneous quantity of steel plates, bars and angles, opening of August 2.

Schedule 8445, Mare Island, 1 pump with turbine, opening of August 2.

Schedule 8446, Mare Island, a miscellaneous quantity of cast iron pipe and fittings, opening of July 29.

Schedule 8449, Mare Island, 6125 lbs. boiler steel plates, opening of July 29.

Schedule 8450, various eastern and western yards, a miscellaneous quantity of steel bolt material, opening of July 29.

Schedule 8452, Mare Island, 25,000 sq. ft. tarred felt sheathing, opening of August 2.

Schedule 8454, Mare Island, 3400 lbs. munts metal, opening of August 2.

Schedule 8455, Mare Island, a miscellaneous quantity of steel bolts and nuts, opening of August 2.

Schedule 8458, Mare Island, 5000 sq. ft. floor tiling, opening of July 29.

Schedule 8465, various eastern and western yards, miscellaneous quantity of steel bars, opening of August 3.

Schedule 8466, various eastern and western yards, miscellaneous quantity of steel shapes, opening of August 5.

Schedule 8467, various eastern and western yards, a miscellaneous quantity of steel sheets, opening of August 5.

Schedule 8468, various eastern and western yards, a miscellaneous quantity of steel plates, opening of August 5.

Schedule 8473, Puget Sound, 5000 ft. steel conduit pipe, opening of August 5.

Schedule 8474, Mare Island, a miscellaneous quantity of lamp cord and cable, opening of August 5.

SAN FRANCISCO.—Until July 21, 11 a. m., under Order No. 3161, bids will be received by U. S. Engineer Office, 240 Montgomery St., for furnishing and delivering lumber; cedar, Oregon pine, sugar pine, redwood, etc.; delivered f. o. b. regular wharf, Rio Vista, Solano County.

SAN FRANCISCO.—Until July 21, 10 a. m., under Circular No. 22-7, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering 1050 standard, lap-welded steel, boiler tubes 3½ in. by 18 ft., 11-gauge (120 in.). Early delivery important.

SAN FRANCISCO.—Until July 23, 10 a. m., under Circular No. 22-5, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering copper wire, transformers fuse boxes, junction boxes, disconnecting potheads, tinned copper sleeves, solder, tape, braided asbestos tubing, paint, cable compound, etc., etc., and 300 gals. distillate.

WASHINGTON, D. C.—Until July 22 bids will be received by Supervising Architect, Treasury Dept., for furnishing and installing bronze-covered entrance doors and frames to U. S. Post Office at Everett, Wash.

Until 11 a. m., July 27, bids will be received by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for furnishing and installing a complete wet pipe system of automatic sprinklers for the storehouse, foot of Broadway, Naval Base, San Diego. A deposit of $10 required for the plans and specifications No. 4446, which may be obtained from the Public Works Officer, 11th Naval District, Loma Portal, San Diego.

Until 11 a. m., July 27, bids will be received by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for a lawn sprinkler system at the Naval Base, San Diego, consisting of 3-in. water mains, concrete manholes hose and sprinklers valves and fittings. A deposit of $10 is required for the Specification No. 4471, which may be obtained from the Public Works Officer, 11th Naval District, Loma Portal, San Diego.

Contract Awarded.
FIRE ALARM SYSTEM Cost, $13,339
SAN FRANCISCO. Fort Scott, Presidio and Letterman General Hospital.

Fire alarm system.
Owner—United States Government.
Architect—Owner.
Contractor—C. C. Severin Elec. Co., 185 Stevenson St., San Francisco.

WASHINGTON, D. C. — Construction Dept. of Army has rejected all bids submitted for constructing hangar at Ross Field, Cal.

SAN DIEGO, Cal. — Following bids were received under Bureau of Yards and Docks, Specification 4473, for electric breakdown connection and temporary transformer house at San Diego, Cal.:
Newberry Elec. Corp., Los Angeles, Cal., item 1, $2695, 50 days; 2, deduct $12.
Miller & Eddleman, San Diego, Cal., item 1, $2900, 60 days; 2, deduct $100, 60 days.

WASHINGTON, D. C. — Bureau of Yards and Docks, Navy Dept., rejects bids submitted under Specification 4425 for constructing incinerator at Marine Barracks, San Diego, Cal.

WASHINGTON, D. C.—W. C. Merritt Co., 727 7th St., San Diego, Cal., awarded contract by Bureau of Yards and Docks, Navy Dept., for constructing steam distributing system for hospital at San Diego. Bid is $9831; time for completion, 90 days. Work under Specification 4442.

WASHINGTON, D. C.—Gamewell Fire Alarm Telegraph Co., 70 E. 45th St., New York City, submits only bid to Bureau of Yards and Docks, Navy Dept., for installing additions to fire alarm system at Puget Sound, Wash., Navy Yard, at $9687.49; time for completion, 60 days. Work is provided under Specification 4440.

HALLS AND SOCIETY BUILDINGS

Construction Started.
LODGE BLDG. Cost, $260,000
STOCKTON, San Joaquin Co., Calif. SW Market and Sutter Streets.
Five-story Class A lodge building.
Owner—Stockton Masonic Temple Association.
Architect—Carl Werner, Humboldt Bk. Bldg., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.
The heating and ventilating has been awarded to Scott Co., 243 Minna St., San Francisco. The electrical and othed sub-contracts will be awarded shortly.

Bids Opened—Contract to be Awarded to Low Bidder.
THEATRE Cost, $60,000
YREKA, Siskiyou Co., Cal. Miner St. and Oregon Street.
Two-story reinforced concrete theatre, store and lodge building, 85x150.
Owner—Masonic Temple Assn.
Architect—Geo. C. Sellon, Mitau Bldg., Sacramento.
C. L. Noel, Yreka $66,852
F. B. Goodwin, San Francisco .. 69,580
R. I. Stewart 71,975
E. M. Reed 80,950
Geo. H. Wilson 87,550
W. C. Duncan & Co. 92,587

Completing Plans.
CLUB Cost, $150,000
PASADENA, Los Angeles Co., Cal.
Three-story & basement reinforced concrete club bldg.
Owner—Y. M. C. A. of Pasadena.
Architect—Miss Julia Morgan, Merchants Exchange Bldg., S. F.

Plans Being Prepared.
BUILDINGS Cost, $——
LOS ANGELES. Boyle Ave.
Two 2-story & basement reinforced concrete bldgs. (dormitory 60x150 & refectory 50x120).
Owner—Hollenbeck Home.
Architect—Morgan, Walls & Morgan, 1124 Van Nuys Bldg., L. A.

HOSPITALS

Contract Awarded.
HOSPITAL BLDGS. Cost, $44,149
AHWAHNEE, Madera Co., Cal.
Erection of laundry, hospital, nurses' home and reconstruction of the service kitchen.
Owner—Tri-County Tuberculosis Sanatorium Committee.
Architect—J. H. Hoose, Ramont Bldg., Modesto.
Contractor—Safford & Brown, Madera, Cal.

Complete List of Bids.
HOSPITAL BLDGS. Cost, $44,149
AHWAHNEE, Madera Co., Calif.
Erection of laundry, hospital, nurses' home and reconstruction of the service kitchen.
Owner—Tri-County Tuberculosis Sanatorium Committee.
Architect—J. H. Hoose, Ramont Bldg., Modesto.
Contractor—Safford & Brown, Madera.
The following is a complete list of bids received on July 9th. The award of contract appeared in these Reports under date of July 9th.
W. A. Stevens, Modesto $53,925
Miller & Livingston, Modesto ... 45,950
W. C. Duncan, San Francisco ... 60,426
J. L. Webster, Chico 47,474
Tornell & Son, Turlock 50,900
J. F. Knapp, Turlock 46,460
Stafford & Brown, Madera 44,149
J. A. Sluth Stockton 59,310
E. K. Angle, Dos Palis 52,300

Commissioned to Prepare Plans.
SERVICE BLDG. Cost, $30,000
WEIMAR, Placer Co., Cal.
Brick, concrete or hollow tile service building for sanatorium.
Owner—Weimar Joint Sanatorium.
Architect—W. H. Weeks, 75 Post St., San Francisco.
This is to replace the structure destroyed by fire about three weeks ago.

HOTELS

Completing Plans.
HOTEL Cost, $100,000
GILROY, Santa Clara Co., Cal. Corner Sixth and Monterey Sts.
Three-story reinforced concrete or brick hotel, 100x100.
Owner—Geo. Millas, Gilroy.
Architect—W. H. Weeks, 75 Post St., San Francisco.

FULLERTON, Orange Co., Cal.—The Community Hotel Co. has completed its organization and established offices at 15 Farmers & Merchants Bank Bldg. Chas. C. Chapman is president; F. C. Krause, vice-president; J. C. Thamer, treasurer; Dan O'Hanlon, secretary. The capital stock is $200,000. The company plans the erection of a hotel.

BURLINGAME, San Mateo Co., Cal. —J. J. McGrath, President of the Three-Cities Chamber of Commerce, announces a 100-room hotel building will be constructed in Burlingame "if a hotel capitalist is furnished with a site." Negotiations are underway and early action is expected.

POWER PLANTS

Contract Awarded.
POWER STATION Cost, $——
SAN FRANCISCO. Broderick & Ellis
Structural steel for extension to power station.
Owner — Pacific Gas & Elec. Co., 445 Sutter.
Architect—Owner.
Contractor—Western Iron Works, 141 Beale St.
Contracts on the balance of the work will be awarded shortly.

PUBLIC BUILDINGS

OREGON CITY, Ore.—Committee has been appointed by the City Council to select an architect for a new city hall. Bonds to finance construction already voted.

STOCKTON, San Joaquin Co., Cal.—Until August 2, 10 a. m., bids will be received by Eugene D. Graham, County Clerk, for furnishing and installing double steel book rack in Recorder's office. Specifications may be had from Clerk on deposit of $10, returnable.

Plans Being Figured—Bids Close August 2.
REMODELING Cost, $——
STOCKTON, San Joaquin Co., Cal. County Fair Grounds.
Remodeling and enlarging grand stand at fair grounds, seating capacity to be increased from 1600 to 3200 persons.
Owner—County of San Joaquin, Eugene Graham, Clerk, Stockton.
Architect—Wright & Satterlee, Bank of Italy Bldg., Stockton.
Plans may be had from the office of the architects.

SALEM, Ore.—Until July 25, bids will be received by Geo. A. White, adjutant general, for constructing a two-story and basement brick and concrete armory, 82 by 144, at McMinnville, Ore., from plans by Architect John Hunzicker, Eugene, Ore. Estimated cost, $80,000.

RESIDENCES

Plans Being Figured—Bids Close July 14, 1921.
RESIDENCE Cost, $9000
BERKELEY. Keith Ave.
Two-story frame & plaster residence.
Owner—B. J. Williams.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Bkly.

Plans Being Figured—Bids Close July 14, 1921.
RESIDENCE Cost, $9000
BERKELEY. Mariposa St.
Two-story frame & plaster residence.
Owner—Dr. G. C. Johnson.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Bkly.

Plans Being Figured.
RESIDENCE $7,000
OAKLAND, Alameda Co., Calif. Near Mills College.
One-story frame residence.
Owner—Mrs. Martha G. Castor.
Architect—Walter T. Steilberg, Flatiron Bldg., San Francisco.

Segregated Figures Being Taken.
RESIDENCE Cost, $17,000
OAKLAND, Alameda Co., Calif. Lakemont.
Two-story frame and plaster residence
Owner—F. J. Cuhna.
Architect—Clay N. Burrell, 1st Trust Bldg., Oakland.

Contract Awarded.
RESIDENCE Cost, $12,098
SAN FRANCISCO. E 26th Ave. N of W Clay St.
Two-story frame double residence.
Owner—Mr. & Mrs. John & Margaret McVeigh.

Supervising Archt.—August G. Headman, Call Bldg.
Contractor—W. L. Hemminga, 47 Ashbury St., S. F.

Plans Being Prepared—To be Done by Day's Work.
RESIDENCES Cost, $4000 each
SAN FRANCISCO. Mission Terrace.
Six 1-story frame residences.
Owner—Mission Terrace Co.
Architect—H. C. Baumann, 251 Kearny St., S. F.

Figures to be Taken Next Week.
RESIDENCE Cost, $12,500
OAKLAND. Lakeshore Highlands.
Two-story frame & plaster residence.
Owner—L. C. Westerfeld.
Architect—H. C. Baumann, 251 Kearny St., S. F.

Plans Complete—Figures to be Taken Shortly.
RESIDENCE Cost, $——
SACRAMENTO, Cal.
Two-story frame & plaster residence & garage.
Owner—C. M. Goethe.
Architect—Miss Julia Morgan, Merchants Ex. Bldg., S. F.

To be Done by Day's Work.
BUNGALOW Cost, $7000
SAN FRANCISCO. Westwood Drive.
One-story frame bungalow (6 rooms & garage).
Owner—Lester Murray, 201 Madison St.
Architect — Miss Ida F. McCain, 318 Kearny St.

Sketches Being Prepared.
RESIDENCE Cost, $9500
SAN FRANCISCO. St. Francis Wood.
One-story frame & plaster residence & separate garage (8 rooms).
Owner—Mr. Lord.
Architect — Miss Ida F. McCain, 318 Kearny St.

Sketches Being Prepared.
RESIDENCE Cost, $5500
BERKELEY.
One-story 5-room frame residence.
Owner—Withheld.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Bkly.

SCHOOLS

Bids Opened and Taken Under Advisement.
SCHOOL Cost, $——
BERKELEY, Cal. Allston Way and Dana St.
Two-story reinforced concrete school bldg.
Owner — Pacific Unitarian School for the Ministry.
Architect—Wm. C. Hays, First Natl. Bank Bldg., S. F.

Concrete Work

Barrett & Hilp, S. F.	$6130
John M. Bartlett	9132

Carpentry and Mill Work

Barrett & Hilp, S. F.	$9353
John M. Bartlett	9768
Conner & Conner	9888

Excavating and Grading

Henry Tuohy	$688
Barrett & Hilp	871

Lathing and Plastering

Wm. Makin	$4125
A. Knowles	4455
T. Glimme	6000

Painting

D. Zelinsky & Son, S. F.	$ 625
R. Zelinsky	1116
Burdon & Kirkhouse	1350
Lundberg & Whitman	1650

Heating

L. D. Frazee, Oakland	$1512
J. E. O'Mara	1729
F. W. Snook Co.	1775
W. K. Nottingham	1844
Carl T. Doell	1868

Plumbing

Carl T. Doell	$723
F. W. Snook Co.	748
Thos. R. Catton	749
J. E. O'Mara	945
Oscar L. Zeis	950

Electric Work

Butte Elec. && Mfg. Co., S. F.	$925
Capitol Elec. Co.	948

Roofing and Sheet Metal Work

Heidt Cornice Wks., S. F.	$3175
Forderer Cornice Wks.	3739

Contract Awarded.
SCHOOL Cost, $27,000
COTATI, Sonoma Co., Calif.
One-story frame and plaster school (6 rooms and large auditorium).
Owned—Cotati School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor—Myrl R. Crane, 74 Miramar Ave., San Francisco.

Contracts Awarded.
SCHOOL Cost, $——
HANFORD, Kings Co., Calif. Lots 1, 2, 3 and 4, Blk D, Noel's Subdivision.
Construction of school building.
Owner—Hanford School District, J. A. Crawshaw, Clerk, Hanford, Calif.
Architect—J. R. Henderson, Tulare.
Following bids were received:

General Construction

Carl Nelson, Hanford	$43,257
Barkelew & Gould, Tulare	47,490
J. F. Brown, Hanford	42,619
Larsen-Sampson, San Francisco	41,777

Contract awarded to Larsen-Sampson Co. Brown also submitted a combined bid of $12,659 for plumbing and heating

Heating

Scott Co., San Francisco	$8,790
Horlock Clow Co., Hanford	8,574

Awarded to Horlock Clow Co.

Plumbing

Scott Co., San Francisco	$4,421
Horlock Clow Co., Hanford	4,100

Awarded to Horlock Clow.

Contract Awarded.
REPAIRS Cost, $8,180
MERCED, Merced Co., Calif.
Repairing and remodeling former high school building.
Owner—County of Merced, P. J. Thornton, Clerk, Merced, Calif.
Architect—A. E. Cowell, County Surveyor, Merced, Calif.
Contractor—E. J. Jensen, Merced, Calif.
Other bidders were:

C. J. Droesch, Merced	$9,136
J. E. Fritz, Merced	8,350
E. K. Angle, Dos Palos	9,089

Plans Being Figured—Bids Close July 26, 3 P. M.
SCHOOL Cost, $4000
SANTA CRUZ, Santa Cruz Co., Calif.
Construction of a school building.
Owner—Zayante School District, Mrs. Lena Forde, Clerk, Olympia, Calif.
Architects—Collins & Byrne, New Theatre Bldg., Santa Cruz, Calif.
Certified check for 15% payable to the Board of Trustees of the District required with each bid. Plans may be had from the Architects.

Plans Being Figured—Bids Close July 26, 3 P. M.
SCHOOL Cost, $4000
SANTA CRUZ, Santa Cruz Co., Calif.
Construction of school building.
Owner—Happy Valley School District, F. Heitmeyer, Clerk, R. F. D. No. 1, Santa Cruz, Calif.
Architects — Collins & Byrne, New Theatre Bldg., Santa Cruz, Calif.
Certified check for 15% payable to Trustees of District required with each bid. Plans may be had from the office of the architects at Santa Cruz.

Plans Being Figured—Bids Close July 21, 8 P. M.
SCHOOL Cost, $——
BAKERSFIELD, Kern Co., Calif.
Construction of school building with sanitary facilities.
Owner—Greenfield School District, Mr. Taylor, Clerk, Box 241, Route 4, Bakersfield, Calif.
Architect—Eugene K. Martin, Bakersfield, Calif.
Certified check for 5% payable to District required with each bid. Plans may be had from the Clerk or Architect at Bakersfield.

Contract Awarded.
SCHOOL Cost, $103,350
SAN LUIS OBISPO, Calif.
One-story masonry and frame school building (Peach Street School).
Owner—San Luis Obispo School Dist.
Architect—Oroville L. Clark, Brower Bldg., Bakersfield.
Contractor—R. McLeran & Co., Hearst Bldg., San Francisco.
This contract inclures all work. All bids received for the South End School and the Nipomo School have been rejected and new bids will be advertised for next week.

Contract Awarded.
ADDITION Cost, $5,200
MERCED, Merced Co., Calif.
Addition to school.
Owner—Arundel School District, L. B. Dawson, Clerk, Merced, Calif.
Engineer—W. E. Bedesen, Schaffer Bldg., Merced, Calif.
Contractor—Tom Wayne, Atwater, Cal.
Other bids received were: Angle, Dos Palos, $5,400; Weeden, Merced, $4,107; Jenson, Merced, $5,575; Jim Atichson, Winton, $5,377; Droesch, Merced, $5,674.
Bid of Weeden declared irregular and was not considered.

Plans Being Figured—Bids Close July 22, 1921, 4 p. m.
SCHOOL Cost, $——
VENICE, Los Angeles Co., Cal.
Four-room brick school.
Owner—Venice City School District.
Architect — Edwin Bergstrom, 1128 Citizens Natl. Bank Bldg., L. A.
Separate bids will be taken for a general contract, plumbing, gas heaters electrical work painting, plastering and blackboards.

Plans Being Figured—Bids Close July 23, 1921, 7:30 p. m.
HALL Cost, $——
HERMOSA BEACH, Los Angeles, Co., Cal. Pier Ave.
Complete assembly hall bldg. (2 classrooms, library, art, and domestic science depts., etc.)
Owner — Hermosa Beach City School District.
Architect — Herbert C. Howard, 619 Broadway Central Bldg., L. A.
Separate bids will be taken for a general contract, plumbing and gas fitting, heating and ventilating.

SALEM, Ore.—Until June 27, 11 A. M., bids will be received by the State Board of Control for constructing a two-story and basement and attic brick industrial school for girls about 3 miles southeast of Salem from plans of Architects Claussen & Claussen, Macleay Bldg., Portland. Segregated bids will be taken for complete construction; complete, excepting plumbing heating and electric wiring and fixtures; for plumbing and heating and for electric work and fixtures.

Bids Opened and Taken Under Advisement.
SCHOOL Cost, $——
LOMPOC, Santa Barbara Co., Calif.
Reinforced concrete high school.
Owner—Lompoc High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
The following bids were received on July 8th:
Cobby & Owsley, 180 Jessie St., San

Francisco (1) $43,900; (2) $——; (3) $1,300.
Dan Wagner, San Francisco.
(1) $18,810; (2) $4,900; (3) $1,500.
Everett Building Co., Lompoc
(1) $51,750, (2) $ —; (3) $1,620.

SAN JOSE, Santa Clara Co., Cal. — Until July 25, 10 a. m., bids will be received by Henry A. Pfister, County Clerk, for furnishing and delivering 1,20 yds. of battleship linoleum. Sample on file in office of Clerk.

Plans Being Figured—Bids Close July 26, 1921, 4 o'clock P. M.
TOILET ROOMS Cost. $——
BERKELEY, Alameda Co., Calif. Piedmont and Forest Avenues.
Reconstruct toilet rooms in Emerson School.
Owner—Berkeley Board of Education, (Clyde Blanchard, Secretary).
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Separate bids will be taken for the plumbing and general work. Plans and specifications may be obtained from the architect's office on a deposit of $10.

STOCKTON, San Joaquin Co., Cal.—Gibson & Eichenberger, 244 S. San Joaquin St., Stockton, at $2340 with 75c per yd. for additions or ommissions, awarded contract for plastering, tinting and carpentry work in the high school building. Other bidders were L. A. Danner Co., 20 N. California St., Stockton, $3390, $1 per yd. for omissions or additions; J. A. Allen, 111 Kensington Way, Stockton, $3496, $1 per yd. for additions or omissions.

Pahl and Harry, 33 S. Sutter St., Stockton, at $355 awarded contract for furnishing and installing hot water heater in gymnasium at high school. Only other bidder, Edw. L. Guekow, 647 E. Main St., Stockton, $393.

Morris Bros., 20 N. El Dorado St., Stockton, $1110.95, awarded contract for installing slate blackboards in Monroe School. Other bidders, Stewart School Supply Co., 515 E. Main St., Stockton, $1168; C. F. Weber & Co., 985 Market St., San Francisco, $1175.

Morrison & Vickroy, $3950, awarded contract for installing fittings and making alterations in domestic science and general science department of high school. Only other bidder, J. A. Allen, $4875.

C. F. Weber, 985 Market St., San Francisco, awarded contract for installing domestic science tables in high school. 12 No. 7 tables @ $97.50 and 1 supply cabinet, @ $112.25.

With exception of Weber Co. all the bidders of Stockton.

BAKERSFIELD, Kern Co., Cal.—The following bids were received on July 11 by the Trustees of Kern County Union High School District for furnishing and installing steam heating and ventilating apparatus and the necessary piping, valves, boilers, etc., for the domestic science and agriculture buildings. Plans were prepared by Architects Chas. H. Biggar, 405 First Natl. Bank Bldg., Bakersfield. Currie & Dulgar of Bakersfield were awarded the contract.

Ideal Heat. & Eng. Co., S. F.	$26,117
Burnham Plumbing Co., S. F.	24,000
B. A. Newman & Co., Fresno	24,464
Currie & Dulgar, Bakersfield	23,745

STOCKTON, San Joaquin Co., Cal.—Until August 1, 4 p. m., bids will be received by Ansel S. Williams, Clerk, Board of Education, High School Bldg., Lindsay and San Joaquin Sts., for (1) furnishing maple flooring, installation and sanding same, 2 front hallways, 1st and 2nd floors of main high school; (2) for furnishing and delivering hard and soft woods for manual training departments. Specifications may be had from the Clerk.

CUTLER, Tulare Co., Cal.—Until 2 p. m., July 20, bids will be received by J. W. Floyd, Clerk, Cutler School District, First Natl. Bank Bldg., Cutler, for plumbing and water pressure system at Cutler School. Plans on file in bank at Cutler.

Contract Awarded.
DORMITORY Cost, $60,000
LOS ANGELES. Vermont & Melrose Aves.
Two-story & basement brick dormitory 144x105.
Owner—Calif. School of Christianity.
Architect—Robt. H. Orr, 1301 Van Nuys Bldg., L. A.
Contractor—Fred L. Somers, 2650 Santa Fe Ave., L. A.

LOMPOC, Santa Barbara Co., Cal.—The following bids were received on July 8th by the Trustees of the Lompoc High School District for the construction of a reinforced concrete high school building. W. H. Weeks, 75 Post St., San Francisco, is the architect. Bids were taken under advisement:

Cobby & Owsley, 180 Jessie St., San Francisco (1)	$43,900; (2) $— (3) $1,300.
Dan Wagner, San Francisco (1)	$48,840; (2) $4,900; (3) $1,500.
Everett Bldg. Co., Lompoc (1)	$51,750; (2) $——; (3) $1,620.

SACRAMENTO, Cal.—The Board of Education of the Sacramento School District received bids and awarded contracts on July 13 for the construction of additions to three schools as follows. Plans were prepared in the office of Hemmings-Petersen Hudnutt, Inc., Architectural and Engineering Commission, Sacramento Elementary Schools, third floor of City Library, 9th and I Sts., Sacramento.

Marshall School — One-story frame and stucco addition (2 classrooms, auditorium and kindergarten).

Robert Trost, S. F.	$31,660
Herndon & Finnigan, Sacto	33,232
W. C. Keating, Sacto	34,950

Contract awarded to Robert Trost, 26th and Howard Sts., S. F.

McKinley School — Two-story frame and stucco addition of 6 rooms and alter plumbing and heating system in present school.

W. C. Keating, Sacto	$55,950
Robt. Trost, S. F.	57,914
Herndon & Finnigan	62,552

Contract awarded to W. C. Keating, 1714 27th St., Sacramento.

Lincoln School — Two-story frame addition (2 classrooms).

W. C. Keating, Sacto	$35,950
Robt. Trost, S. F.	36,868
Herndon & Finnigan, Sacto	36,937

Contract awarded to W. C. Keating.

Contract Awarded.
SCHOOL Cost, $4,100
SALINAS, Monterey Co., Calif.
Grammar school building.
Owner—El Sausal School District, Albert E. Hansen, Clerk.
Architect—Paul V. Tuttle and Arthur W. Angel, Associated, 565 Lighthouse Ave., Pacific Grove, Calif.
Contractor—J. M. Chaney, Salinas.
Other bidders were:

F. McCrary, Pacific Grove	$4,643
Dan R. Wagner Co., S. F.	4,816
Wm. P. Sweeney, Pacific Grove	4,835

Plans Being Prepared.
GYMNASIUM Cost, $——
LA VERNE, Los Angeles Co., Calif.
One-story and basement frame and plaster gymnasium building, 65x125
Owner—La Verne College.
Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Contract Awarded.
ALTERATIONS Cost, $27,500
EL MONTE, Los Angeles Co., Cal.
Alterations and additions to brick administration building, 60x90.
Owner—El Monte High School District.
Architect—E. C. Thorne, 620 Western Mutual Life Building, Los Angeles.
Contractor—Frank Hudson, 819 Higgins Bldg., Los Angeles.

FRESNO, Fresno Co., Cal.—Until July 28, bids will be received by J. F. Klepper, Trustee of Princeton School District, Route F, Box 352, Fresno, for constructing addition to the Princeton school. Certified check for 10% required with each bid. Specifications may be had by addressing the Trustee.

Contract Awarded on a Percentage Basis.
GYMNASIUM Cost, $50,000
CLAREMONT, Los Angeles Co., Cal.
Two-story and basement Class A gymnasium.
Owner—Pomona College.
Architect—Jas. P. Jamieson, St. Louis, Mo.
Contractor—Fred L. Somers, 2650 Santa Fe Ave., Los Angeles.

SAN FRANCISCO. — The contract awarded to Scott Co. for the heating and ventilating system in the Emerson School building has been withdrawn by the Board of Public Works and specifications will be revised to a new system. On completion of the revised specifications new bids will be asked.

Plans were prepared by G. A. Applegarth, Claus Spreckels Bldg.

STORES AND OFFICES

Plans Complete.
STORE Cost, $7000
OAKLAND, 13th Ave.
One-story frame store (3 stores)
Owner—Fred Miller.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Bkly.

Plans Complete.
STORE FRONT Cost, $1000
BERKELEY. University Ave.
Install new store front, etc., for market
Owner—W. J. Acheson.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Bkly.

Contract Awarded.
TELEPHONE EXCHANGE Cost, $——
MODESTO, Stanislaus Co., Cal. 1012 11th St.
Three-story reinforced concrete telephone exchange.
Owner—Pac. Telephone & Telegraph Co
Architect—Mr. Cobby, 333 Grant Ave., San Francisco.
Contractor—Monson Bros., 251 Kearny St., S. F.

THEATRES

PORTLAND, Ore.—Building permit granted to Architects Claussen & Claussen, Macleay Bldg., to erect a brick and hollow tile (5) stores and theatre building on Sandy Boulevard. Seating capacity 750.

Ready for Figures Next Week.
THEATRE Cost, $100,000
SAN FRANCISCO. Mission Street bet. Brazil and Persia Ave.
Class A theatre (1100 seats).
Owner—R. A. McNeill, W. G. Bailey & R. E. Baines (Excelsior Amusement Co.)
Architect—G. Albedt Lansburgh, 709 Mission St., San Francisco.
Figures will be taken next week on all parts of the work except the steel, which has been awarded to the Central Iron Works, 2050 Bryant St.

Official Proposals

BIDS WANTED FOR SHEET METAL, ROOFING, ETC.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Roofing Work, including: Steel Metal Work, Slate and Composition Roofing, for the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Roofing Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum or ten per centum accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will be required on plans and (10%) of the amount of the bid must specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California and plainly marked on the envelope: "Proposal for Roofing Work of San Francisco State Building, Civic Center, San Francisco, California

(Signed) W. F. McCLURE,
State Engineer.

BIDS WANTED FOR TILE WORK

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Tile Work, Including: Cork Tile, for the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Tile Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum or ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids to waive any informality in any bid received

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope "Proposal for Tile Work of San Francisco State Building, Civic Center, San Francisco, California."

(Signed) W. F. McCLURE,
State Engineer.

BIDS WANTED FOR CARPENTER, MILL WORK, PLASTERING, ETC.

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Finish Work, including: Carpenter Work, Mill Work, Glass and Glazing Work, Tile Partitions, Metal Lath Work, Plastering Work, for the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Finish Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plaintly marked on the envelope: "Proposal for Finish Work of the San Francisco State Building, Civic Center, San Francisco, California."

(Signed) W. F. McCLURE,
State Engineer.

BIDS WANTED FOR MARBLE AND TERRAZZO WORK

NOTICE TO CONTRACTORS

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, **up to and including 12 o'clock noon, Friday, July 22nd, 1921,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of Marble Work, Including Terrazzo Work, for the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Marble Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum or ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five ($25.00) Dollars will required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids to and waive any informality in any bid received

All bids must be addressed to W. F McClure, State Engineer, Sacramento, California, and plainly marked on the envelope "Proposal for Marble Work of San Francisco State Building, Civic Center, San Francisco, California."

(Signed) W. F. McCLURE,
State Engineer

BIDS WANTED FOR HIGHWAY IMPROVEMENT

State of California

California Highway Commission

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Bldg., Sacramento, Cal., **until 2 o'clock p. m., on July 25,** at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Humboldt County across Bear Gulch near Garberville (I-Hum-1-B), a reinforced concrete bridge about 247 ft. long having a main arch span of 123 ft. in the clear, and two approaches, one of three girder spans of about 23 ft. each, and one of one girder span of about 24 ft., with the necessary abutments, piers and retaining walls.

Siskiyou County (II-Sis-3-B) three reinforced concrete girder bridges as follows: Across Parks Creek near Weed, a bridge consisting of two spans of 32 ft. each; across Willow Creek near Gazelle, a bridge consisting of two spans of 32 ft. each; across Shasta River near Edgewood, a bridge consisting of two spans of 40 ft. each, together with the necessary piers and abutments for each bridge.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. BARLINGTON
CHAS. A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission
AUSTIN B. FLETCHER,
Highway Engineer
JOHN F. GALVIN,
Secretary

June 27, 1921

CORCORAN GRAMMAR SCHOOL BUILDING

NOTICE TO CONTRACTORS

The Board of Trustees of the Corcoran Grammar School District, Corcoran, California, will receive sealed proposals **up to July 20th, 12 o'clock Noon, 1921,** at the office of Strong & Dapron, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new grammar school building in accordance with plans and specifications prepared therefor by Renfro & Michael, Architectural Designers and Engineers, Room 16, Fir. 1 National Bank Building, Porterville, California. Bids will be received for the different contracts as follows:

Contract No. 1 Excavation, Concrete, Masonry, High Work, Tile Roof

ing, Composition Roofing, Interior and Exterior Plastering, Blackboards, Painting and Carpenter Work.

Contract No. 2. Sheet Metal Work, Plumbing, Heating, Pipe Railing and Sewer, Etc.

Contract No. 3. Electric Wiring and Fixtures.

Cashier's or certified check for bidder's bond for an amount not less than five per cent (5%) of amount of bid shall accompany each proposal, drawn payable to the order of Lotta Drown, Clerk of the Board of Trustees, Corcoran Grammar School District, as a guarantee that the bidder will within ten (10) days after being notified of the acceptance of his bid, enter into contract with said Grammar School Trustees in accordance therewith, and shall furnish the surety bonds as required by the specifications. Said check or bond to be forfeited to the said Grammar School Trustees should the bidder fail to execute contract and furnish bond as above mentioned.

All bids to be made out on forms furnished by Renfro & Michael, Architects.

Plans and specifications for all the above work may be seen at the office of Renfro & Michael, First National Bank Building, Porterville, California.

The said Grammar School Board reserves the right to reject any or all bids, and to waive any informality in any bid received.

By order of the Board of Trustees, Corcoran Grammar School District, Corcoran, California.

Dated, June 24th, 1921.

By LOTTA DROWN, Clerk, Board of Trustees, Corcoran Grammar School District.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HERBEY GIVEN that sealed bids will be received by the Trustees of the Pacific School District for the erection of a school building, in accordance with the proposals, plans and specifications prepared by Frederick S. Harrison, Architect, Peoples Bank Building, Sacramento, Calif., and on file with the Clerk of the Pacific School District, Sacramento County, Calif.

The said school building to be erected near the site of the old Pacific School.

A certified check in the sum of 10 per cent of the amount of the bid, made payable to the Clerk of the Pacific School District, must accompany each bid, which will be forfeited to the Pacific School District, should the bidder refuse to comply with his bid.

The Trustees reserve the right to reject any and all bids.

Prices for the different portions of the work must be submitted as called for in the proposal blanks.

All bids must be filed with the clerk of the Pacific School District, not later than **4 o'clock P. M., July 28, 1921.**

EDWIN NICHOLAS, Clerk,
R. D. No. 4, Box 1325, Pacific Avenue, Sacramento, California.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Office of the Board of Grammar School Trustees, Courtland, Sacramento County, State of California.

Notice is hereby given that sealed bids will be received by the undersigned up to and not later than the hour of **2 p. m. of the 28th day of July, 1921,** at the office of the said board in the Courtland Grammar School, for the erection of the Oriental Grammar School at Courtland, in accordance with plans and specifications prepared by F. A. S. Foale, architect, 507-508 Ochsner Bldg., Sacramento, which plans may be obtained by intending bidders at the architect's office on or before Saturday, July 16, 1921.

All bids must be submitted on forms furnished by the architect, and must be accompanied by a certified check on some solvent bank in a sum equal to ten per cent (10%) of the amount of each bid, conditional that if the contract is awarded the party submitting the accepted bid will enter into contract and furnish such bond as may be required within ten days after making award, or, failing so to do, the amount of such check to be forfeited as liquidated damages for such failure. All checks to be made payable to the order of the Chairman of the Board of Grammar School Trustees of Courtland, Sacramento County, State of California.

The board reserves the right to reject any and all bids.

By order of the Board of Grammar School Trustees, Courtland, Sacramento County, California.

W. J. SMITH, Chairman.
H. J. Read, Clerk.

Dated July 13, 1921.

BIDS WANTED FOR POST OFFICE BUILDING

SUPERVISING ARCHITECT'S OFFICE, Treasury Department, Washington, D. C., July 11, 1921.—SEALED PROPOSALS will be opened in this office **at 3 P. M., August 15, 1921,** for the construction of the United States Post Office and Court House at Globe, Arizona. Drawings and specifications may be obtained from the Custodian of site at Globe, Arizona, or at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR REMODELING SCHOOL

NOTICE TO CONTRACTORS AND BUILDERS

Notice is hereby given that sealed bids will be received and opened by the Board of Trustees of the Durham Grammar School District, Butte County, California, **up to 2:00 o'clock P. M., on the 28th day of July, 1921,** at the office of the Clerk of the Board in the School Building at Durham, California, for the remodeling of two rooms in basement of the above named District in accordance with plans and specifications made for the same by W. H. Weeks, the authorized Architect employed by the Board.

Plans and specifications can be seen at the office of the Clerk of the Board at Durham, or at the office of the Architect, W. H. Weeks, 75 Post St., San Francisco, California.

A deposit of Twenty ($20.00) Dollars cash will be required on all plans loaned out as a guarantee of good faith.

All bids to be made out on blank forms furnished by the Architect and must be accompanied by a check for not less than five per cent (5%) of the amount bid, made payable to J. A. Williams, Clerk of the Board, and certified to by some responsible banking house. This check to be forfeited in the event that the successful bidder, after having been awarded the contract, fails within ten (10) days to sign the contract and furnish a good and sufficient bond, as required by law.

The Board reserves the right to reject any and all bids.

Dated at Durham, July 13th, 1921.

J. A. WILLIAMS,
GEO. W. JONES,
F. E. BAXTER.
Board of Trustees, Durham School District.

FEDERAL AID ROADS WOULD ENCIRCLE GLOBE

Of the 22,030 miles of Federal aid roads which have been built or are now under construction, more than two-thirds are earth roads, sand, clay or gravel, says the chief of the Bureau of Public Roads, United States Dept. of Agriculture. These have cost less than one-third of the total amount expended as compared with nearly 50 per cent of the estimated cost applied to 4890 miles of hard surfaced roads.

The mileage of Federal Aid roads which have been built or are now under construction is nearly sufficient to encircle the globe. This is the record of work accomplished since July, 1916, when the Federal Government first stepped in to aid in the enormous task of building highways that are now called upon to carry more than 9,000,000 motor vehicles plus a very substantial horse-drawn traffic in the 48 states.

On March 1 of this year 22,030 miles of highway, extending into every State had been completed or were in process of construction, says the bureau, at a total estimated cost of $361,946,868. The percentage of this total estimated cost which will be incurred for each type, and the mileage of each type, based upon the records of plans approved, are as follows:

Type 1, including earth, sand, clay and gravel, 32.2% of total estimated cost; mileage, 15,300.

Type 2, including water bound and bituminous macadam, 9.0% of total estimated cost; mileage, 1530.

Type 3, including brick, bituminous concrete, Portland cement concrete, 48.8% of total estimated cost; mileage, 4890.

Miscellaneous, 4.0 of total estimated cost; mileage, 310.

Bridges, 6.0% of total estimated cost.

Federal aid is allotted to the improvement of earth roads, but only with the stipulation that a suitable surfacing will be placed as soon as funds become available. This allows the road bed to be prepared and become thoroughly consolidated before the surfacing is placed, which is highly desirable from a construction viewpoint. To follow such a course, however, is out of the question when a road is heavily traveled and some form of surfacing must be provided. To care for traffic under these conditions, frequently a sand, clay, or gravel surfacing is provided, which will serve for several years and yet allow the road to be maintained under reasonably heavy traffic.

THE AMERICAN SOCIETY OF CIVIL ENGINEERS ENDORSES BILL FOR COMPLETION OF TOPOGRAPHIC SURVEYS

Following resolution was adopted by the board of direction of American Society of Civil Engineers at its meeting held June 6, 1921:

Realizing the great importance of adequate topographic maps for development of the natural resources of the country and the economical planning and construction of all kinds of engineering projects, and believing that the saving in cost of such public and private projects to be constructed during the next decade will more than offset the expense of making standard topographic maps and will justify the necessary expenditure of Federal and State agencies in co-operation; therefore,

Resolved. That the Board of Direction of the American Society of Civil Engineers endorses House Bill 5230 which provides for the completion of the topographic surveys of the United States and urges its early consideration and passage.

REINFORCED CONCRETE PRICES IN IOWA ROAD WORK

The average unit price for reinforced concrete in 40 contracts which came into the Iowa State Highway Commission office for approval during the period December 1, 1920, and May 1, 1921, was $26.34 per cubic yard. The average unit price for the period ending May 1, 1920, on 35 contracts, according to the last issue of the Service Bulletin of the Commission, was $35.35 per cubic yard.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

MARYSVILLE, Yuba Co., Cal. — Boardwell & Zimmerman, Calistoga, at $22,700 awarded contract by the Supervisors for constructing ten reinforced concrete bridges in various parts of Yuba County. Complete list of bids follows:

No. 1—Bridge across Dobbins Creek at Dobbins, 2 spans, 13 ft. center to center. 22 ft. clear roadway.

Boardwell & Zimmerman	$2989
L. E. Hite	3070
Jenkins & Elton	2986
E. H. Martin	3244
T. H. Polk	2744

No. 2 — Bridge across Tennessee Creek ½ mile from the Stone House, 4 spans, 15 ft. center to center. 22 ft. clear roadway.

Boardwell & Zimmerman	$4147
Hart Const. Co.	4875
L. E. Hite	3985
Jenkins & Elton	4149
Jenkins Bros. & Ward	3108
E. H. Martin	4016
T. H. Polk	2374

No. 3 — Bridge across Tennessee Creek at the Stone House, 4 spans, 15 ft. center to center. 22 ft. clear roadway.

Boardwell & Zimmerman	$4351
Hart Const. Co.	4945
L. E. Hite	4170
Jenkins & Elton	4344
Jenkins Bros.	3443
E. H. Martin	4890
T. H. Polk	3474

No. 4 — Bridge No. 1, ½ mile west of Browns Valley, 1 span, 15 ft. center to center. 22 ft. clear roadway.

Boardwell & Zimmerman	$1159
L. E. Hite	995
Jenkins & Elton	1170
E. H. Martin	1228
T. H. Polk	1344

No. 5—Bridge No. 2, ½ mile west of Browns Valley, 1 span, 14 ft. center to center. 20 ft. clear roadway.

Boardwell & Zimmerman	$1195
L. E. Hite	1160
Jenkins & Elton	1438
E. H. Martin	1325
T. H. Polk	1274

No. 6—Bridge at W. Richards ranch on the Camptonville Road, 1 span, 11 ft. center to center. 20 ft. clear roadway.

Boardwell & Zimmerman	$1293
L. E. Hite	1035
Jenkins & Elton	1120
E. H. Martin	1088
T. H. Polk	1171

No. 7—Bridge at the Robinson ranch on the La Porte stage road, 1 span, 13 ft. center to center. 22 ft. clear roadway.

Boardwell & Zimmerman	$1514
L. E. Hite	1385
Jenkins & Elton	1244
E. H. Martin	1230
T. H. Polk	1374

No. 8 — Bridge at the Dave Jones ranch on the Spenceville Road, 2 spans, 14 ft. center to center. 18 ft. clear roadway.

Boardwell & Zimmerman	$3018
L. E. Hite	2345
Jenkins & Elton	2244
E. H. Martin	2380
T. H. Polk	1974

No. 9—Bridge ¼ mile west of the C. Hicks ranch on the Spenceville road, 1 span, 11 ft. center to center. 18 ft. clear roadway.

Boardwell & Zimmerman	$1375
L. E. Hite	1235
Jenkins & Elton	1230
E. H. Martin	1250
T. H. Polk	1188

No. 10—Bridge at Plumas Lake on Sacramento Road, 4 spans, 22½ ft. center to center. 18 ft. clear roadway.

Boardwell & Zimmerman	$6890
L. E. Hite	6965
Jenkins & Elton	6968
E. H. Martin	6685

Jenkins & Elton of Sacramento submitted a lump bid of $24,823 for all 10 bridges; for bridges 1, 2, 5, 7, 8 and 9, $11,931. E. H. Martin, Oakland, submitted a lump bid of $25,222 on all 10 structures and $12,405.20 for bridges 3, 4, 6 and 10 and $12,133.30 for bridges 2, 3, 4, 5, 6 and 7. Leslie B. Crook, County Surveyor.

FULLERTON, Orange Co., Cal.—The City Clerk has been authorized to advertise for bids for a reinforced concrete arch bridge, 40 ft. span, with 26 ft. roadway, over barranca on N. Highland Ave. Ben F. Dupuy, City Engineer.

NAPA, Napa Co., Cal.—John Cogo, Box 67, Sonoma, awarded the contract by the Supervisors to construct a retaining wall on county highway south of Oakville at $952.62. Other bidders: Harry Thorsen, $1,155.38; Frank Gaggero, $1,144.25; Simon Lenz & Son, $1,024.90. Edw. P. Ball, County Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—County Engineer Lloyd Bowman has prepared plans for a reinforced concrete bridge to replace the structure over Soquel creek in the town of Soquel.

NAPA, Napa Co., Cal.—Harry T. Thorsen, St. Helena, at $8,305.45 was awarded the contract by the Supervisors to construct two reinforced concrete bridges and pavements east of Rutherford. Other bidders: John Cogo, $8,332.20; Simon Lenz & Sons, $9,005. Edw. P. Ball, County Engineer.

SANTA ANA, Orange Co., Cal. — Until 11 a. m., July 26, bids will be received by Supervisors of Orange County for combination highway bridge 704 ft. long over Santa Ana River on 17th St. bet. Garden Grove and Santa Ana. Plans and specifications may be obtained from County Engineer J. L. McBride on deposit of $3. Certified check or bond for 5%. J. M. Backs, County Clerk.

Engineers and Contractors
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HOLLISTER, San Benito Co., Cal. — W. A. Winn, County Surveyor, completing plans for steel highway over Tres Pinos Creek on San Justo and Tres Pinos Road through lands of T. G. Hester. It is probable bids will be called at the July 18 meeting of the Supervisors.

STOCKTON, San Joaquin Co., Cal.—Until August 2, 10 a. m., bids will be received by Eugene D. Graham, County Clerk, for constructing reinforced concrete girder bridge at the site of the old bridge over the Stockton Diverting Canal on the Linden Road about 3 miles from Stockton in Calaveras Road District and for the construction of a reinforced concrete girder bridge over the Stockton Diverting Canal on the Waterloo Road about 2 miles from Stockton. Certified check for 10% payable to chairman Board of Supervisors required with each bid. Plans may be had from F. E. Quail, County Engineer.

SACRAMENTO, Cal.—Following bids were received July 11 by State Highway Commission for constructing a bridge in Lassen County, across Susan River near Johnstonville (11-Las-29-C) 96 ft. long consisting of 3 reinforced concrete girder spans, each 32 ft. long, on reinforced concrete bents supported on wooden piles, involving 110 cu. yds. excavation without classification; 165 cu. yds. Class A concrete, 832 lin. ft. wooden piles. The commission to furnish reinforcing steel and cement.

C. S. Gildersleeve, Fresno	$ 7,825
John G. Leibert, S. F.	9,437
Jenkins & Elton, Sacto.	8,962
Northern Cal. Const. Co., Alturas	9,500
R. G. McKenzie, Gerber	9,976
Wm. Grebe, Susavnille	14,713
Polley, Swaboda & Babick, Susanville	19,796
Engineer's estimate	8,104

CALIFORNIA. — Following are the approximate quantities of materials required for bridge construction, bids for which will be opened by the State Highway Commission, 2 p. m., July 25:

Humboldt County, across Bear Gulch near Garberville, reinforced concrete bridge about 247 ft. long having a main arch span of 123 ft. in the clear, and two approaches, one of three girder spans of about 23 ft. each, and of one girder span of about 24 ft.; 660 cu. yds. Class A and 255 cu. yds. Class C concrete; commission will furnish reinforcing steel.

Siskiyou County, three reinforced concrete girder bridges as follows: Across Parks Creek near Weed, bridge consisting of two spans of 32 ft. each; across Willow Creek near Gazelle, a bridge consisting of two spans of 32 ft. each; across Shasta River near Edgewood, a bridge consisting of two spans of 40 ft. each; 100 cu. yds. Class A concrete for Parks Creek bridge; 205 cu. yds. Class C concrete for Parks Creek bridge; 100 cu. yds. Class A concrete for Willow Creek bridge; 215 cu. yds. Class C concrete for Willow Creek bridge; 140 cu. yds. Class A concrete for Shasta River bridge; 240 cu. yds. Class C concrete for Shasta River bridge, commission will furnish reinforcing steel and cement. Austin B. Fletcher, Engineer

Completing Plans.
RESERVOIR, ETC. Cost, $100,000
SAN SIMEON, San Luis Obispo Co., Cal.
Near San Simeon.
Concrete reservoir, electric generators, oil engines, water pipe line, power house, etc.
Owner—Wm. Randolph Hearst.
Engineer—Chas. T. Phillips, Pacific Bldg., San Francisco.
Figures will be taken next week.

OAKLAND, Cal.—The following bids were received on July 11 by Lloyd D. Barzee, Secretary of the Oakland Board of Education, for the construction of a concrete culvert in Lyon Creek at E-11th St. and 66th Ave. on the Lockwood School grounds. All bids were taken under advisement.

Guy Hyde Hicks	$3288
Clinton Const. Co.	3607
Henry Twohy	3889
R. E. Burgund	4400
Alfred H. Vogt	4437
J. M. Harlan Co.	5800

SACRAMENTO, Cal.—Until August 1, 2 p. m., bids will be received by Harry W. Hall, County Clerk, for constructing a ferry to be operated on Georgiana Slough, near Isleton. Certified check for 10% payable to Chairman of the Board of Supervisors required. Plans may be had from the County Engineer, Drury Butler.

STOCKTON, San Joaquin Co., Cal.—City Council awards contract to C. Jory & Son for construction and installation of 2 cargo aprons with hoisting machinery under new steel shed in north side of Stockton channel bet. El Dorado and Center Sts. W. B. Hogan, City Engineer.

SANTA ANA, Orange Co., Cal. — Frank Hudson, 819 Higgins Bldg., Los Angeles, was awarded the contract by County Supervisors at $44,009.80 for constructing a timber bridge over the Santa Ana River bet. Richfield and Olive, consisting of 15 50-ft. timber spans on concrete pile bents with pile trestle approaches, 1 160 ft. and the other 148 ft. Other bids received were W. M. Ledbetter, Los Angeles, $44,183; West Coast Const. Co., $45,511.02; S. M. Kerns, Long Beach, $48,512.50; Edgar T. Wheeler Co., Los Angeles, $51,180; C. McNeill, Santa Ana, $51,835; Mercereau Bridge & Const. Co., Los Angeles, $52,318. J. L. McBride, County Engineer

PORTLAND, Ore.—Until July 28, 10 A. M., bids will be received by the State Highway Commission, Room 520 Multnomah County Court House, for bridge construction as follows:

Union County—Old Oregon Trail, one 30 ft. reinforced concrete span over Wolf Creek, 2 miles north of North Powder, and one 8'x12'x24' reinforced concrete culvert over Jimmy Creek, 3 miles north of North Powder, 180 cu. yds. concrete, 14,800 lbs. reinforcing steel, 290 cu. yds. excavation.

Wallowa County—La Grande-Joseph Highway, Wallowa Canyon-Lostine Section, 7 small timber trestle bridges totalling 250 lin. ft.

La Grande-Joseph Highway, Enterprise-Joseph Section, 2½ miles south of Enterprise, seven 19 ft. frame trestle spans over Prairie Creek. Concrete 155 cu. yds., reinforcing steel 3,900 lbs. trestle superstructure 140 lin. ft. lumber and timber 8 MFBM, excavation 330 cu. yds.

Washington County—Tualatin Valley Highway, Forest Grove-Gaston Section, ¾ mile south of Forest Grove. Repairs to existing bridge. Remove deck, remodeling piers, painting steel. Lumber and timber 17 MFBM.

FULLERTON, Orange Co., Cal.—Until 7:30 P. M., August 2, bids will be received by City Clerk F. C. Hezmalhalch for constructing a reinforced concrete arch bridge on Highland Ave. in the city of Fullerton. The bridge will have a 40-ft. clear span and will be 36 ft. wide. The contract will also include construction of cement curb and walk, and excavation of channel. Certified check for 10% required.

UKIAH, Mendocino Co., Cal.—Work on the Eel River dam of the Snow Mountain Power Company, which ceased when L. H. Kramer, Balboa Bldg., San Francisco, announced he would no longer continue it, will be started immediately by Stone & Webster, 58 Sutter St., San Francisco. After learning from Kramer that he would do no more work, the bonding company turned the contract over to Stone & Webster.

WILLOWS—Glenn Co., Cal.—W. R. Zumwalt, Willows, at $5,774 has been awarded a contract by the Supervisors for constructing reinforced concrete Warnick bridge, about 2 miles northeast of Butte City, in Road District No. 5. Other bidders were:

F. H. Neilsan, Orland	$7,120
T. H. Polk, Chico	6,456
Gay & Thompson, Orland	6,800
R. B. McKenzie, Corning	7,858
J. W. Halterman, Willows	6,800

W. R. Zumwalt at $1,108 was also awarded a contract for the reinforced concrete Leonard bridge, 1 mile west of Jacinto, in Road District No. 1. Other bidders were:

Gay & Thompson	$1,575
R. B. McKenzie	1,610
J. W. Halterman	1,223
Crofts & Jensen, Willows	1,190

W. R. Zumwalt submitted the low bid for constructing the reinforced concrete Carson bridge, 3 miles east of Butte City, in Road District No. 5. Other bidders were:

T. H. Neilson	$7,098
T. H. Polk	6,374
R. B. McKenzie	7,891
J. W. Halterman	6,100
Gay & Thompson	6,660

Bids for this structure were taken under advisement. Bayard Knock is County Surveyor.

IRRIGATION PROJECTS

GRASS VALLEY, Nevada Co., Cal.—County Supervisors set August 4 as the date to decide on the formation of the proposed Nevada County Irrigation District.

LIGHTING SYSTEMS

FULLERTON, Orange Co., Cal.—The Southern Calif. Elec. Co., 625 S. Main St., Los Angeles, was awarded the contract at $13,622 to construct an ornamental lighting system on Spadra Road and Wilshire and Commonwealth Ave.

ALHAMBRA, Los Angeles Co., Cal.—Until 5 p. m., August 1, bids will be received by City Clerk Lillian E. Smith for constructing ornamental lighting system on Electric Ave. bet. Huntington Drive and Alhambra Road under Vrooman Act. Grant M. Lorraine, City Engineer.

MACHINERY

EUREKA, Humboldt Co., Cal.—Until August 1, 7:30 p. m., bids will be received by Geo. B. Albee, Secretary of Board of Education, City Hall, for furnishing and delivering tools, machines and other equipment for an automobile repair shop. Segregated bids will be taken as well as for a general contract. Certified check for 5% payable to Eureka School District required. Specifications will be furnished on request.

OROVILLE, Butte Co., Cal.—Frank Boyle, County Purchasing Agent, on recommendation of H. H. Hume, County Engineer, authorized by Supervisors to purchase $18,000 of highway building machinery. Among articles to be purchased are 1 60-h.p. caterpillar; 1 Mammoth Junior grader; asphalt heating plant, and rock crusher with screens.

MADERA, Madera Co., Cal. — The Yosemite Garage, Madera, at $3071.25 awarded contract by Supervisors for furnishing and installing dump beds and hoists for county motor trucks.

LODI, San Joaquin Co., Cal.—Until August 1, 8 p. m., bids will be received by J. F. Blakely, City Clerk, for furnishing and delivering, f. o. b. cars, Lodi, 3 15 k.v.a. and 15 5 k.v.a. 60-cycle single phase transformers of 2200 volt primary and 110-220 volt secondary rating. Certified check for 10% payable to City Clerk required with each bid. Further information may be had from Clerk.

RIVERSIDE, Cal.—County Engineer A. C. Fulmor in his annual budget submitted to Supervisors provides for the following: 2 loadometers, $400; 300-gal. oil heater, $600; repairs to steam roller, $800; 2 automobiles, $2500; light grader, $200; 3 heavy 2-wheel trailers, $750; truck cabs, $750.

TURLOCK, Stanislaus Co., Cal.—The Modesto Lumber Co., Modesto, at $6440 awarded contract by directors of the Modesto and Turlock Irrigation Districts, acting jointly, for furnishing and delivering lumber for Don Pedro Dam project.

To Collins & Webb for furnishing and delivering 5 gasoline locomotives with one drum at $2435 each, 5% discount.

To Willett & Burr, 512 Mission St., San Francisco, for furnishing and delivering 24 dump cars to be sold outright, repurchased or on rental basis.

Willett & Burr also awarded contract for furnishing and delivering steam shovel at $11,000, less 10% discount.

To Norris K. Davis, 7th and Harrison St., San Francisco, for two concrete mixers at $3450.

Bids for steam or gasoline dragline excavators, approximately $25,000, and Marion steam shovel at approximately $26,655 laid over for further consideration.

Bids for furnishing and delivering 50,000 tons of cement rejected. The directors, it is said, are planning to purchase a foreign cement in the open market.

SAN FRANCISCO.—Until July 25, 3 p. m., bids will be received by J. S. Dunnigan, Clerk of the Board of Supervisors, for furnishing and delivering underground cable required by the Dept. of Electricity. Blanks for bidding may be had from Clerk, Room 235, City Hall.

SAN JOSE, Santa Clara Co., Cal. — Until July 25, 11 a. m., bids will be received by Henry A. Pfister, County Clerk, for furnishing and delivering 1 Fageol motor truck. Specifications may be had from County Clerk.

SACRAMENTO, Cal. — The Board of Education is planning purchase of machinery and equipment for part time and high schools, costing approximately $18,000.

SAN FRANCISCO.—Until July 23, 11 a. m., bids will be received by U. S. Engineer Office, 240 Montgomery St., for furnishing and delivering under Order No. 3134, miscellaneous castings, etc.

SANTA ROSA, Sonoma Co., Cal.—County Purchasing Agent authorized to purchase one Ford delivery truck for $658.24. County Clerk W. W. Felt Jr., directed to advertise the auction of one Chevrolet delivery truck purchased by the county in 1919; auction to take place July 25, 11 A. M.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

REDDING, Shasta Co., Cal.—A. Zimmerman, Redding, at $5500 awarded contract by supervisors for grading and repairing 1½ mile of road from Centerville to Clear Creek Bridge. C. R. Wiegel, County Surveyor.

SAN ANSELMO, Marin Co., Cal. — Trustees petitioned to improve Landsdale Ave.; due to lack of funds action postponed. C. C. Kennedy, 58 Sutter St., San Francisco, Town Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Supervisors reject bid of Granite Rock Co., Salinas, for improving Beach Road and County Engineer Lloyd Bowman instructed to proceed with the work by day labor.

OAKLAND, Cal.—Until July 21, 12 m., bids will be received by Eugene K. Sturges, City Clerk, for improving Sunnyside St. from 90th to 96th Aves., involving 84,263 sq. ft. grading; 2673 lin. ft. concrete curb; 5617 sq. ft. concrete gutters; 39,098 sq. ft. oil macadam pavement; 16,852 sq. ft. cement sidewalk.

Separate bids on same date for improving 37th Ave. from E-14th St. north to creek, involving 15,040 sq. ft. grading; 885 lin. ft. concrete curb; 1880 sq. ft. concrete gutter; 13,080 sq. ft. oil macadam pavement. Imp. Act 1911. Certified check for 10% payable to City required. Geo. Mattis, City Engineer.

RIVERSIDE, Cal. — A request for $474,155 for county roads is made in the budget proposal submitted to the Supervisors by County Engineer A. C. Fulmor.

SAN FRANCISCO.—Supervisors are expected to authorize the Board of Public Works to enter into contracts for following street improvements: Completion of Ocean Beach Esplanade, $150,000; improving Laguna St., Pine to California, $6000; Townsend St., Embarcadero west, $43,000; Columbus Ave., Montgomery northwest, $100,000; Davis St., Sacramento to Clay, $6000; Howard St., Embarcadero west, $100,000; 6th St., Brannan to Townsend, $18,000; 7th St. Brannan to Townsend, $18,000; Powell St., Bush to California, $6000; Clay St., Grant Ave. to Stockton, $5000; Taylor St., Geary to Post, $4000; California St., Hyde to Polk, $15,000; Clay St., Buchanan to Webster, $9000; Lombard St., Hyde to Leavenworth, $2000; Jones St., Pacific to Broadway, $2000; Post St., Lyon St. to Presidio Ave., $7000; Hayes St., Broderick to Baker, $6000; 13th St., Mission to Howard, $7000; 15th St., Mission to Howard, $7000; Capp St., 17th to 19th, $5000; 23rd St., Church to Chattanooga, $6000; Oak St., Franklin to Octavia, $10,000; Vallejo St., Scott to Broderick, $8000; Octavia St., Green to Vallejo, $4000; Jackson St., Grant Ave. to Stockton, $6000. M. M. O'Shaughnessy, City Engineer.

HANFORD, Kings Co., Cal.—County Surveyor Roy May has submitted to Supervisors a report on a projected road through Kettleman plains and the McGlashen Ranch to connect with the Kern County Road. He suggests as most feasible the present road through McGlashen Ranch, which, if it can be acquired by county, can be put into shape for about $4000.

FRESNO, Fresno Co., Cal. — City Engineering Dept. compiling estimates of cost for additional sewage extensions at sewer farm. Wm. Stranahan, Commissioner of Public Works.

OAKLAND, Cal.—Hutchinson Co., 444 17th St., Oakland, awarded contract by Council to improve portions of Fruitvale Ave. by grading, constructing concrete curbs and gutters and paving with asphaltic concrete. Geo. Mattis, City Engineer.

SAN LUIS OBISPO, Cal. — Calvin Harling & W. T. Malcomson of Templeton were awarded the contract for grading and fencing .81 miles of Morro-Atascadero Road at 75c cu. yd. for grading. C. T. Daly of Nipomo bid 80c for grading. Warren B. Burch, County Engineer.

SANTA ANA, Orange Co., Cal. — County Engineer J. L. McBride is preparing plans and specifications for an asphaltic concrete pavement to be built on 17th St. bet. Prospect Ave. and Newport Road in 5th Road Dist.; also plans and specifications for asphaltic concrete pavement on North St. bet. Placentia Ave. NE. of Anaheim to a point south of Richfield Station, about 3 miles, to be built under road district improvement act.

BENICIA, Solano Co., Cal.—Trustees contemplating improvement of 1st St. City Attorney instructed to prepare necessary papers for improving West H and W. 2nd St. from O St. to the bay.

CHICO, Butte Co., Cal. — Frank S. Robinson, City Engineer, instructed to prepare estimates of cost for a complete water system. The Trustees are planning a municipal water supply and have secured figures from the Chico Water Supply Co., which offers to sell its holdings. Whether a new system will be built or the private system purchased will not be decided until estimates are submitted by the City Engineer.

EL MONTE, Los Angeles Co., Cal.—H. M. Hannawalt of La Verne submitted lowest bid at $51,521.50 for paving with 5-in. concrete Main St. and 8 other streets. Eight bids were received, Wm. Liddington being second low bidder at $54,960.50. Engineer's estimate, $53,000. Bids taken under advisement.

SUSANVILLE, Lassen Co., Cal.—The Warren Const. Co., Rialto Bldg., San Francisco, awarded contract by Supervisors for improving Richmond Road from bridge over Susan River south to S. P. railroad, involving 873 cu. yds. yardage grading; 44,000 sq. ft. surface grading; 30,000 sq. ft. asphaltic concrete and 14,000 sq. ft. macadam paving; 2550 lin. ft. concrete curbs and gutters; 11,000 sq. ft. sidewalks; 800 sq. ft. driveway; 2 catchbasins; 32 lin. ft. 12-in. and 124 lin. ft. 15-in. corrugated iron pipe; 80 cu. ft. concrete headwall. C. C. Kennedy, 58 Sutter St., San Francisco, Engineer.

PRESCOTT, Ariz.—The contract for grading the Cottonwood-Sedona Road has been awarded to Prescott Const. Eng. Co. of Prescott at about $70,000. Seventeen bids were received July 6 for grading the Del Rio-Ash Fork Road, about 30 miles.

SAN ANDREAS, Calaveras Co., Cal.—Until August 1, 1 p. m., bids will be received by A. W. Poe, County Clerk, for grading or graveling (both grading and graveling) of 25,250 ft. of road known as Esperanza Grade bet. the Jesus Maria Creek and the town of Railroad Flat. Certified check for 10% payable to County required. Specifications may be obtained from Clerk.

SAN RAFAEL, Marin Co., Cal.—The Supervisors are contemplating the appointment of a County Engineer to map out county highway system. Instead of a bond issue to finance the proposed system, the Supervisors are considering a direct tax. D. E. Henry and B. H. Graff have already filed applications for the position.

SACRAMENTO, Cal.—Until July 18, 2 p. m., bids will be received by Harry W. Hall, County Clerk, for constructing concrete highway on Water Ave. running north ½ mile from Greenback Lane, and on Winding Way beginning 1 mile south of Greenback Lane and running south ½ mile. Certified check for 10% payable to Clerk required with each bid. Plans may be had from County Engineer Drury Butler.

SANTA BARBARA, Cal. — L. P. Scaroni submitted the only bid at $42,666.75 for paving a portion of the Valley Road through the town of Garey. The bid was rejected and the work will be done by day's labor under supervision of Supervisor Preisker.

BAKERSFIELD, Kern Co., Cal. — Until July 25, 5 p. m., bids will be received by V. Van Riper, City Clerk, for constructing 6-in. vitrified sewer from existing manhole in Tulare St. west 588.49 ft. along alleys in Blocks 19 and 20. Bernard Addition, including the construction of lampholes, Ys, etc. Imp. Act 1911. Certified check for 10% payable to city required. R. H. Hubbard, City Engineer.

LOS ANGELES. — M. S. Cummings, 1302 W. 22nd St., Los Angeles, awarded contract at $28,829.95 for improving Fawn Ave. from Reservoir St. to point 1080 ft. northeast, involving 568 sq. ft. concrete paving, including grading; 57,417 sq. ft. grading; 57,417 sq. ft. oiling and rolling; 4421 ft. curb; 11,915 sq. ft. sidewalk; 8971 sq. ft. concrete gutter. Chas. T. Salata bid $29,381. Engineer's estimate, $27,272.05.

Wm. Liddington, 420 E. 60th St., Los Angeles, awarded contract at $7368.02 for improving Franklin Ave. bet. Vermont and Edgemont, involving 49,089 sq. ft. grading; 1297 ft. curb; 1060 sq. ft. sidewalk; 5325 sq. ft. concrete gutter; 49,089 sq. ft. oiling and rolling. Other bids received by Board of Public Works were A. C. McCray, $8145.01; Baker & Chalmers, $8339.96; G. T. McLain, $8904; engineer's estimate, $7368.02.

SACRAMENTO, Cal.—J. W. Terrell, 1111 29th St., Sacramento, awarded contract by City Commission for improving alley first east of 39th St. from a point 35 ft. south of K St. to a point 35 ft. north of L by constructing 6-in. vitrified pipe sewer with 7 6-in. vitrified Y branches, 1 concrete manhole, 2 6-in. vitrified flusher branches; also the alley bet. K and L from alley first east of 39th St. to west boundary of Wright and Kimbrough Tract by constructing 8-in. vitrified sewer with 8 6-in. vitrified Y branches.

Terrell also awarded contract to improve alley first south of 12th Ave. from manhole in 33rd St. to a point 30 ft. east of 32nd St. by constructing vitrified pipe sewer with 9 vitrified Y branches, 1 concrete manhole and

1 6-in. vitrified flusher branch; also the alley bet. 32nd and 33rd Sts. from alley first south of 12th Ave. to 14th Ave. by constructing vitrified pipe sewer with 20 vitrified Y branches and 1 6-in. vitrified flusher branch.

McGillivray Const. Co., Capitol Natl. Bank Bldg., Sacramento, awarded contract to improve 3rd Ave. from Santa Cruz Way to 42nd St. and Santa Cruz Way from 2nd to 4th Aves. by constructing concrete curbs and gutters, reconstructing manholes, placing gutter drains connecting with sewer, grading and paving with asphaltic concrete 5½ in. thick.

McGillivray Const. Co. also awarded contract for similar improvements in 5th Ave. from Sacramento Blvd. to 42nd St. Albert Givan, City Engineer.

SANTA BARBARA, Cal. — Until 10 a. m., July 21, bids will be received by Supervisors of Santa Barbara County for improving Sections 1, 2, 3, 4 A-1, 4 A-2 and 4 A-B of the highway in the Lompoc permanent road division for which bonds to amount of $450,000 have been voted. Plans and specifications may be obtained from County Surveyor Owen H. O'Neill on payment of $30. Certified check for 10%. C. A. Hunt, County Clerk.

FAIRFIELD, Solano Co., Cal.—Until August 1, 11 a. m., bids will be received by County Clerk for road improvement in Vacaville Township, Road Imp. No. 3. Estimated cost, $75,000. Specifications may be had from the County Engineer, F. A. Steiger.

BERKELEY, Alameda Co., Cal. — Until July 26, 4 p. m., bids will be received by Clyde Blanchard, Acting Secretary, Board of Education, 2133 Allston Way, Berkeley, for macadamizing and oil surfacing playground at Franklin School, San Pablo Ave. and Virginia St. Certified check payable to Board required with each bid. Specifications will be furnished on request.

SACRAMENTO, Cal.—Following bids were received by State Highway Commission July 11 for constructing 10.6 miles of State Highway in Trinity Co. bet. 2 miles south of Weaverville and Tom Long Gulch (11-Tri-20-A), involving 120,000 cu. yds. excavation without classification; 730 cu. yds. Class A Portland cement concrete (culverts and monuments); 1700 cu. yds. rubble masonry (retaining walls); 950 cu. yds. dry rubble (retaining walls); 2750 lin. ft. 12-in., 1300 lin. ft. 18-in., 1050 lin. ft. 24-in. and 100 lin. ft. 30-in. corrugated metal pipe; 542 monuments. The commission to furnish reinforcing steel, corrugated metal pipe and cement

Chadwick & Sykes, S. F.	$172,076
P. L. Burr, S. F.	173,994
Palmer & Peterson, S. F.	174,213
Erickson & Peterson, S. F.	181,260
W. A. Bechtel, S. F.	199,159
Northern Cal. Cons. Co., Alturas	200,034
Engineer's estimate	166,534

YUBA CITY, Sutter Co., Cal.—County Engineer Edw. Von Geldern completing specifications for highways in the Nuestro, Terra Buena and the Pease Station sections. Bids will be asked for both asphalt and waterbound macadam.

SAN JOSE, Santa Clara Co., Cal. — Raisch Improvement Co., 46 Kearny St., San Francisco, granted permit by Council to improve, under private contract, Orchard St. bet. Grant and Virginia and N. 2nd St. bet. St. James and Julian Sts.

SANTA CRUZ, Santa Cruz Co., Cal.—C. Miles, San Francisco, at $11,827 awarded contract by supervisors for improving Bear Creek Road north from Boulder Creek, 12 miles. Other bidders, J. W. Wilmhurst, $15,055; Ariss-Knapp Co., $15,002.52; J. P. Holland, $15,634; Frank Bryant, $14,213.20. Lloyd Bowman, County Engineer.

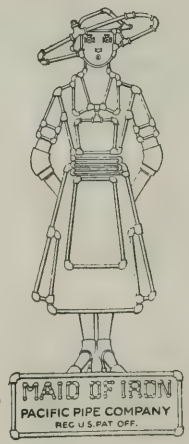
ALAMEDA, Cal.—Burton Hamilton appointed engineer to fill vacancy caused through appointment of C. E. Hickok as city manager. Geo. Sperback will be assistant City Engineer.

BREA, Orange Co., Cal.—Bonds to amount of $40,000 to complete the municipal water system carried at a special election. Purchase of additional water bearing land and drilling of an additional well are contemplated. More water mains will also be laid. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, Engineers.

SAN DIEGO, Cal.—Geo. R. Daley, 440 McNeece Bldg., was awarded contract for improving Texas St. from University Ave. to Balboa Park, involving 104,240 sq. ft. 3-in. asphaltic concrete pavement at 20½c ft.; surfacing existing gutters at 4c sq. ft.; 6-in. Class B cast iron main at $2.50 ft. and 4-in. main at $2.25 ft.; 4 fire hydrants at $200 each; 6-in. sewer laterals at $35 each and 4-in. sewer laterals at $30 each.

LOS ANGELES, Cal.—Sierra Const. Co., 1732B Garfield Place, submitted the lowest bid at $84,853.52 for constructing Anaheim-Spadra Road (Brea Canyon) in R. D. I. No. 1, 3.25 miles, with 6-in. concrete pavement 20 ft. wide. Other bids received by Board of Supervisors were Geo. H. Oswald, $88,605.40; G. S. Benson, $90,998.68; H. E. Cox, $91,875.70; Wells & Bressler, $101,966.60; Kneen Paving Co., $103,461.35; E. L. Garrettson & Son, $113,818.58; Geo. R. Curtis, $115,284.60. Bids referred to County Road Dept.

SAN DIEGO, Cal.—Geo. R. Daley, 440 McNeece Bldg., submitted lowest bid at $92,737.38 for grading and paving with concrete Mission Road 1-B from San Marcos to Buena, 3.453 miles.



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Used Pipe and Screw
Casing — Valves — Fittings

PACIFIC PIPE COMPANY
231 Howard St., San Francisco

HANFORD, Kings Co., Cal.—Calif. Const. Co., 1909 Fresno St., Fresno, submits only bid to Council for paving curbing and guttering portions of Keith, Florinda, Ivy, Dewey, Central & Center Sts.; grading, .03c sq. ft.; paving, .23c; curbing, .70c; gutters, .35c. Taken under advisement. Edw. M. Lynch, City Engineer.

OROVILLE, Butte Co., Cal.—The City Trustees, John W. Gibson, Clerk, pass resolutions of intention to pave Bridge St. from Feather River Bridge to Yard St.; High St. from Huntoon to Marysville Road; Marysville Road from Dry Creek to Montgomery St. Specifications call for a 2½-in. asphaltic concrete base with a 1½-in. Warrenite surface. Imp. Act 1911. Protests will be heard July 25. S. J. Norris, City Engineer.

LA GRANDE, Ore.—R. E. Koon, consulting engineer of Portland, completing estimates of cost for a municipal water system for this city. It is thought the water system will cost between $500,000 and $800,000. Preliminary estimates will be filed with the City Commission August 1.

SACRAMENTO, Cal.—Until July 21, 9 p. m., bids will be received by M. J. Desmond, City Clerk, for improving the alley first north of Folsom Blvd. from 37th to 38th Sts. by constructing vitrified pipe sewer with 3 6-in. vitrified Y branches and 1 6-in. vitrified flusher branch; 1 concrete manhole; also the easement bet. 37th and 38th from manhole to be constructed in alley first north of Folsom Blvd. to a point 530 ft. north by constructing 8-in. vitrified pipe sewer with 25 6-in. vitrified Y branches and 1 6-in. flusher branch.

Separate bids for improving alley bet. 36th and 37th Sts. from manhole opposite alley first north of Folsom Blvd. to a point 480 ft. north by constructing 8-in. vitrified pipe sewer with 20 6-in. vitrified Y branches; 1 6-in. flusher branch.

Separate bids for improving Bigler Way from manhole in place in Sacramento Blvd. to a point 250 ft. west by constructing 8-in. vitrified pipe sewer with 7 6-in. vitrified Y branches; 1 concrete manhole.

Separate bids for improving alley bet. 22nd and 23rd, 4th Ave. and Marshall Way by grading and paving with a 5½-in. asphaltic concrete pavement.

Separate bids for improving alley bet. G and H Sts., 8th and 9th Sts. by constructing 2 concrete catchbasins with cast iron curbs and covers and connecting same with 6-in. vitrified sewer pipe; reconstructing 1 manhole; grading and paving with 5½-in. asphaltic concrete. Certified check for 10% payable to Mayor required with each bid. Albert Givan, City Engineer.

VALLEJO, Solano Co., Cal.—Engineer Lawrence Thompson, in charge of the proposed municipal water supply project, will submit estimates of cost to Council for construction of septic tanks at Wild Horse Valley and for chlorination system at Fleming Hill.

COALINGA, Fresno Co., Cal. — Bids are being received by L. A. Buchanan, City Clerk, for hauling and laying 9200 ft. of 4-in. pipe line, material to be furnished by the city. Specifications will be furnished on request.

RYDE, Sacramento Co., Cal.—Until August 5, 2 p. m., bids will be received by W. C. Kesner, Clerk, Beaver Union High School District, for installation of water system at Beaver Union High School, system of Kewahnee type pressure and to include a 1000-gal. tank and motor and pump capable of supplying at least 700 gals. of water per hour. Certified check for 10% re-

quired with each bid. Specifications may be had from Clerk.

SAN PABLO, Contra Costa Co., Cal.—Until July 27, 2 p. m., bids will be received by F. A. McCausland, Clerk, San Pablo School District, for the plumbing and drainage work in connection with new sanitary system at school site, from plans of Architect Jas. T. Narbett, 906 MacDonald Ave., Richmond. Certified check for $100 required with each bid. Plans may be had from the architect.

MADERA, Madera Co., Cal. — City Trustees order installation of 4-in. pump and electric motor for water system in Hughes Addition.

SAN FRANCISCO. — Following bids received July 13 by Board of Public Works. M. M. O'Shaughnessy, City Engineer:

Fairfax Ave. bet. Keith and Lake—Involving 1300 cu. yds. cut; 10 brick catchbasins; 40 lin. ft. 15-in. sewer; 250 lin. ft. culverts; 1 brick manhole; 1389 lin. ft. concrete curb; 1320 sq. ft. artificial stone sidewalks; 38,830 sq. ft. asphaltic concrete pavement.

Fay Imp. Co., Phelan Bldg.	$14,990.46
C. B. Eaton	17,919.80

Gambier St. bet. Burrows and Fulton—Involving 230 lin. ft. 8-in. sewer; 16 8-in. Y branches; 1 lamphole; 1 brick manhole.

Hickey & Harmon	$ 877.00
Jas. T. Tobin	1074.00
H. McGill	831.50

Eighteenth Ave. bet. Cabrillo and Fulton—Involving 5850 sq. ft. artificial stone sidewalk.

Jas. T. Tobin	$1521

Twenty-first Ave. bet. Irving and Judah—Involving 900 cu. yds. cut; 1200 lin. ft. concrete curbs; 3000 sq. ft. artificial stone sidewalk; 24,000 sq. ft. asphaltic concrete pavement.

Raisch Imp. Co.	$10,260
Fay Imp. Co.	8,697
City Const. Co.	9,930

Cayuga St. bet. Onondago & Ocean Aves.—Involving 160 lin. ft. concrete curbs; 2400 sq. ft. asphalt pavement.

E. J. Treacy	$1208

Hill St. bet. Church and Sanchez—Involving 76 lin. ft. concrete curb; 1291 sq. ft. concrete pavement.

C. B. Eaton	$810.41

West side Funston Ave. bet. Irving & Judah—Involving 1845 sq. ft. artificial stone sidewalks.

Jas. T. Tobin	$350.55
P. Sanfilippo	296.58

SAN BERNARDINO, Cal.—All bids received July 11 for paving Philadelphia St. from East End Ave. to a point 6600 ft. east in Road Imp. Dist. No. 14, were rejected by County Supervisors and the work will be readvertised for bids. This road is to be paved with a 6-in. rock macadam with ⅝-in. oil and rock screenings surface. Bids ranged from 14c to 20.5c sq. ft. E. T. Ham, County Surveyor.

HOLLISTER, San Benito Co., Cal.—Town Trustees, D. F. H. McPhail, Clerk, pass resolution of intention to improve West St. from 4th St. to south town limits by grading, paving with cement concrete 5 in. thick and constructing concrete curbs. Imp. Act. 1911. Protests will be heard July 27. Alfred M. McCray, Town Engineer.

OAKLAND, Cal. — The City Council appropriates $1600 to purchase 2310 lin. ft. 14-in. vitrified ironstone sewer pipe for use in South Lakeshore addition.

SAN BERNARDINO, Cal. — W. C. Cline of Upland awarded contract by Supervisors at $32,944.20 for paving Turner Ave. with 4-in. concrete 24 ft. wide from San Bernardino Ave. to a point 5290 ft. south in Road Imp. Dist No. 13. Engineer's estimate, $33,837. E. T. Ham, County Surveyor.

SPARKS, Nevada—Until July 25 bids will be received by the City Council for constructing approximately 30,000 lin. ft. of sidewalks from A street to the county road and from 5th to 15th Sts. Specifications may be obtained from the City Clerk.

SAN DIEGO, Cal.—Geo. R. Daley, 440 McNeece Bldg., was awarded the contract at $92,737.38 for grading and paving with concrete, 5 in. thick and 18 ft. wide, Mission Road 1-B, San Marcos to Buena, 3.453 miles, bids opened by County Supervisors July 11, 1921. Other bids were Oswald Bros., Los Angeles, $92,997.82; Riley & Peterson, $104,340.86 Engineer's estimate, $98,173.30.

SANTA CRUZ, Santa Cruz Co., Cal.—City Engineer James K. James preparing plans for sewer in Cedar St. bet. Elm and Laurel Sts.

BAKERSFIELD, Kern Co., Cal.—The Bakersfield Eng. Co., Bakersfield, at $4232.90 awarded contract by Council to improve G St. bet. 20th and 21st by grading, tamping and rolling subbase and paving with 3½-in. Willite base with 1½-in. Willite wearing surface, including intersections. R. H. Hubbard, City Engineer.

YUBA CITY, Sutter Co., Cal. — The Federal Const. Co., Call Bldg., at $35,611.20 awarded contract by the Trustees for paving with concrete C, B, Fairman, Yolo and Sutter Sts. Bids for the remaining projects were rejected as being too high. All former resolutions of intention to improve Shasta, the Cooper Tract and Bridge St. districts were rescinded and City Engineer Edw. Von Geldern instructed to prepare plans for a 5-in. concrete pavement in these districts.

Contract for furnishing the materials and laying storm sewer extension was awarded Harron & Hayes, 655 Stockton St., S. F., at $7988.88.

The California Steam & Plumbing Supplies Co., through its representative, K. E. Stephenson, received the contract for furnishing pipe and fittings for extension of the water works.

The contract for laying mains connecting with the present services of the water works and for laying new services was let to Harron & Hayes.

VISALIA, Tulare Co., Cal.—Specifications have been complete and Trustees are considering immediate paving of North West and North East Third Aves., and East and West Park Aves., around the Lincoln School.

INGLEWOOD, Los Angeles Co., Cal.—A resolution of intention to pave portions of Market, Commercial, Regent and Queen Sts., in the business district, with 6-in. concrete has been adopted by City Trustees. The work will involve about 259,384 sq. ft. paving. Arthur W. Cory, City Engineer.

SAN BRUNO, San Mateo Co., Cal.—Municipal Improvement Co., 357 12th St., Oakland, submits only bid to the Trustees for improving portions of Easton, Green, Mastick, Huntington, Angus, Sylvan and Jenevein Aves.; portions of Mills, Masson, Green, San Bruno, Kains and Angus Aves., and portions of Hensley, Green, Easton, Mills and Huntington Aves., all by grading, paving with a waterbound rock macadam base with asphaltic oil and screenings surface, concrete curbs, gutters, etc. Bid referred to City Engineer Geo. A. Kneese for report.

SANTA BARBARA, Cal. — Until 5 p. m., July 21, bids will be received by City Clerk S. B. Taggart for the following street work: Pedregosa St. bet. Bath and State Sts. to be graded; sidewalk, curb and gutters, 4 catchbasins, 2 24-in. reinforced concrete drains, rubble walls; Arrellaga St. bet. Bath and Canal Sts. to be graded and paved with 4-in. cement concrete base and 1½-in. asphaltic surface; curb, gutter, catchbasins, 6-in. vitrified pipe drains and 6-in. vitrified pipe sanitary sewer, manholes and stone wall to be reconstructed; Milpas St. bet. Haley and Amapamu Sts. to be graded and paved with 5-in. cement concrete base and 1½-in. asphaltic surface; curb, gutter, catchbasins and 6-in. vitrified pipe sewer and connections. Geo. P. Morrison, City Engineer.

OAKLAND, Cal. — The City Council appropriates $4500 to cover half the cost of constructing concrete culverts, conduits, storm water inlets, manholes, handholes and end wall, on portions of 35th Ave., Hopkins St., 38th Ave., Kanning and Kansas Sts. Geo. Mattis, City Engineer.

SOUTH PASADENA, Los Angeles Co., Cal.—Until 5 p. m., July 25, bids will be received by City Clerk B. V. Garwood for improvement of Orange Grove Ave., involving 180,000 sq. ft. 3-in. oil macadam and 15,500 sq. ft. cement gutter; also for improvement of Garfield Ave., involving 115,000 sq. ft. 3-in. oil macadam. Certified check or bid bond for 10% required. R. V. Orbison, City Engineer.

SACRAMENTO, Cal. — Chadwick & Sykes, Crocker Bldg., San Francisco, at $172,076 awarded contract by State Highway Commission for constructing 10.6 miles of State Highway in Trinity County bet. 2 miles south of Weaverville and Tom Long Gulch, involving 120,000 cu. yds. excavation without classification; 730 cu. yds. Class A Portland cement concrete (culverts and monuments); 1700 cu. yds. rubble masonry (retaining walls); 950 cu. yds. dry rubble (retaining walls); 2750 lin. ft. 12-in., 1300 lin. ft. 18-in., 1050 lin. ft. 24-in. and 100 lin. ft. 30-in. corrugated metal pipe; 542 monuments; Commission to furnish reinforcing steel, corrugated metal pipe and cement

COMPTON, Los Angeles Co., Cal. — Seany Bros. & Waite of Compton, submitted the only bid and were awarded the contract for improving Laurel St. in Compton, about 1200 lin. ft., involving 149,595 sq. ft. grading at 3½c ft.; 88,056 sq. ft. 5-in. disintegrated granite pavement at 8c sq. ft.; 4699 lin. ft. cement curb at 65c; 5424 sq. ft. concrete gutter at 33c ft. and 22,912 sq. ft. cement sidewalk at 22½c ft. E. M. Lynch, Central Bldg., Los Angeles, Engineer.

SOUTH PASADENA, Los Angeles Co., Cal.—Until 5 p. m., August 8, bids will be received by City Clerk B. V. Garwood for improvement of Spruce St., involving 77,600 sq. ft. 3-in. macadam; 7500 sq. ft. cement gutter; 3200 sq. ft. sidewalk; 2300 cu. yds. excavation; 350 ft. 6-in. sewer; 600 ft. curb; 1911 act. Certified check or bond for 10%. R. B. Orbison, City Engineer.

SAN FRANCISCO—Board of Public Works approves specifications for improving Woolsey street between Dartmouth and University avenues, estimated cost, $6,000, involving 540 lin. ft. 2x— ft. reinforced concrete sewer; 47 lin. ft. 18-in. vitrified pipe sewer; 2 brick or concrete manholes and 1 brick manhole.

The Board of Works requests the Supervisors to authorize a call for bids for improving Point Lobos avenue bet. 48th avenue and Great Highway. M. M. O'Shaughnessy, City Engineer.

PORTLAND, Ore.—Until July 28, 10 a. m., bids will be received by State Highway Commission, Room 520, Multnomah County Courthouse, for highway projects as follows:

Clackamas County—Pacific Highway, Tryon Creek, Sucker Creek and Molalla River Bridges. Paving bridge floors, 2000 sq. yds. bituminous pavement.

Clatsop County — Coast Highway, Miles Crossing-Skipanon Section, grading and macadam, 2.9 miles shoulder rocking, 4000 cu. yds. surfacing material, 1.3 miles of grading and macadam, 3500 cu. yds. surfacing, 6000 cu. yds. excavation.

Deschutes County—Dalles-California Highway, Allen Ranch-Klamath County Line Section, 17.3 miles clearing and grading, of which 10.7 miles is grader work, balance 6.6 miles 49,500 cu. yds. excavation.

Lake County — Lakeview-La Pine Highway, Chandlers Station to Chewaucan Narrows Section and approaches to Paisley Bridge 16.8 miles grading, 66,400 cu. yds. excavation.

Lincoln County — Corvallis-Newport Highway, Chitwood-Toledo Section, 10.6 miles grading, 145,000 cu. yds. excavation.

Linn County — Pacific Highway, Shedd-Halsey Section, 7.8 miles paving

Tillamook County — Coast Highway, Wilson River-Riverdale Section, 1.5 miles graveling, 3400 cu. yds. surfacing

Wheeler County — John Day Highway, Cummings Hill-Fossil Section, 2.7 miles grading and macadam, 8000 cu. yds. surfacing, 23,500 cu. yds. excavation.

NAPA, Napa Co., Cal.—Until July 25, 7:30 p. m., bids will be received by H. H. Thompson, City Clerk, for improving Coleman St. for its entire length involving 260 cu. yds. grading, 661 lin. ft. concrete curbs; 11,415 sq. ft. 2-course macadam pavement; 1 concrete catchbasin. Imp. Act. 1911. Certified check for 10% payable to City required with each bid.

BAKERSFIELD, Kern Co., Cal.—The Council orders construction of curbs, gutters and sidewalks in L St. bet. 20th and 28th Sts., and in K bet. 19th and 28th Sts. (gutters only bet. 28th and 30th Sts); curbs and sidewalks were also ordered in California Ave. where not already constructed. Clerk was instructed to call bids for constructing curbs and gutters in N. Baker St. R. H. Hubbard, City Engineer.

PHOENIX, Ariz.—Until 2 p. m., Aug. 8, bids will be received by State Engineer Thos. Maddock for paving 3 miles of Phoenix-Tempe highway from city limits of Phoenix eastward, Federal Aid Project No. 30. Alternate bids will be taken on one course plain concrete, bitulithic on bituminous base, and asphaltic concrete on bituminous base. Plans and specifications may be obtained from State Engineer on payment of $5. Certified check for 5%.

UKIAH, Mendocino Co., Cal. — Baechtel & Pritchett, Willits, only bidder, at $16,973.16 awarded contract by Supervisors for constructing Round Valley Cross road and surfacing a portion or Doby Lane in Road Dist. No. 3, involving 65.88 cu. yds. 1:2½:5 reinforced concrete in place, 2 wooden culverts, 24 lin. ft. 10-in. and 24 lin. ft. 12-in. corrugated iron pipe culverts; 150 cu. yds. unclassified excavation; 11,135 cu. yds. unclassified borrow; grading and preparing subgrade of Doby Lane and surfacing same with 1528 cu. yds. gravel. E. H. Smith, County Surveyor.

STOCKTON, San Joaquin Co., Cal.—W. J. Tobin, 527 Santa Ray Ave., Oakland, awarded contract by Council for constructing storm water sewers in the Yosemite Subdivision. W. B. Hogan, City Engineer.

BERKELEY, Alameda Co., Cal.—The East Bay Water Co. is planning extensive improvements in water supply system in the hill district of Berkeley. Proposed improvements include a pipe line from the Summit Reservoir.

FIRE EQUIPMENT

TO PURCHASE FIRE EQUIPMENT

WILLOWS, Glenn Co., Cal. — City Trustees are planning election to vote bonds of $16,000 to purchase new fire engine and equipment.

SAN FRANCISCO. — Until July 27, 8:30 p. m., bids will be received by Frank T. Kennedy, Secretary, Fire Commissioners, City Hall, for furnishing gasoline motor driven and operated combined pumping engines and hose wagons and gasoline motor driven 4-wheel tractors. Specifications may be had from secretary.

LODI, San Joaquin Co., Cal.—Until August 1, 8 p. m., bids will be received by J. F. Blakely, City Clerk, for furnishing and delivering under Lot (1) 1 triple combination pumping, chemical and hose fire truck fully equipped of capacities ranging from 500 to 1000 gals. per minute. Bidder to furnish detailed specifications and approximate delivery date. Any capacity within the limits given will be considered. Under Lot (2) 1000 ft. 2½-in. inside diameter fire hose, 50-ft. lengths, complete with couplings and 250 ft. 1½-in. in 50-ft. lengths. Under Lot (3) 4 shut-off nozzles, all to be f. o. b. cars Lodi. Certified check for 10% required with each bid.

BENICIA, Solano Co., Cal.—Trustees planning purchase of 350 ft. 1½-in. fire hose.

BUSINESS OPPORTUNITIES

A used auto crane, a Byers or some similar outfit, steam operated, with a one-half or three-quarter-yard clamshell bucket, is wanted by the Concrete Steel Bridge Co. of Clarksburg, W. Va.

BONDS FOR ROAD AND STREET PROJECTS

(Continued from Page 3)

6 in Maryland	321,000
8 in Massachusetts	543,000
10 in Michigan	7,195,000
23 in Minnesota	6,856,034
12 in Mississippi	2,412,000
5 in Missouri	10,839,000
5 in Montana	595,000
9 in Nebraska	691,300
22 in New Jersey	12,194,500
3 in New Mexico	1,022,500
52 in New York	25,744,102
36 in N. Carolina	7,731,000
112 in Ohio	22,504,086
6 in Oklahoma	1,264,000
19 in Oregon	8,489,240
44 in Pennsylvania	79,531,500
16 in S. Carolina	4,355,000
1 in S. Dakota	60,000
22 in Tennessee	6,172,500
35 in Texas	16,967,000
1 in Utah	225,000
11 in Virginia	53,229,000
6 in Washington	545,000
3 in West Virginia	60,000
13 in Wisconsin	1,615,500
6 in Wyoming	2,725,000

It will be seen from these figures that, in so far as this season is concerned, Pennsylvania is showing the greatest interest in highway improvement and has made available for future use more money up to June 30 than any other State in the Union. Virginia, Connecticut, New York and Ohio follow in the order named.

REINFORCED CONCRETE

(Continued from Page 6)

view might turn out very uneconomical as it may involve so much additional finishing in the way of cornices and other details, also extra expense to secure efficient light and ventilation than would be the case if thicker slabs with fewer and more shallow beams were used. Therefore, if we wish to design economical structures we must carefully consider the many factors concerned, the most important of these, however, are the ratio of breadth to depth of beams, the percentage of reinforcement, and the general arrangement or lay-out of beams and columns. These influence all structures and should be considered by both the architect and the engineer. The percentage of reinforcement is of the utmost importance, great waste is often occasioned through an excess of steel being used; there is a definite percentage that will give the most economic section, it is that which is such as to allow both the steel and concrete to be stressed to their allowable limits when the structure is fully loaded, we then get the full value out of such material; if one of the materials is understressed it means there is an excess of that material and consequently a waste.

PROBLEMS OF HIGHWAY DEPT.

(Continued from Page 7)

cast made by the cost of maintenance under certain volumes of traffic and by the volume of traffic which may be determined as eventually using this road. The problem is complicated. The underlying principle which should be stressed is that, in order properly to develop our traffic, we must secure from that traffic a sufficient payment in license fees to pay for the service rendered. Much has been said regarding the advisability of taxing a particular agency for the upkeep of roads. When it is thoroughly understood, however, that the roads are built for the automobile and without particular regard to any other type of traffic, it seems fair to lay the burden of the cost of financing these improvements on this agency, which is the most benefited.

What is needed more than any other information is a thorough understanding of the relation between traffic and the highway, and it seems imperative that means for securing this information be established. A bureau of research is needed. This bureau should investigate the detail relations between traffic and highway, and should not stop at this particular point, but should extend its work to a thorough investigation of the transportation problem from all standpoints, including all means of freight and passenger transportation, having in mind the development of waterway, railway, trolley, highway and possibly the air. It is a big job and of vital importance to the welfare of the country. The sums of money spent in highway improvements are tremendous. The effect of this expenditure on the public is manifold. Money spent on one agency cannot be spent on the other. Unnecessary work done in highway development will mean curtailment of expenditure in other sources, particularly for other means of transportation. The problem should be stated in simple terms and solved in the interests of the general public.

A Brazilian living in New York has invented a machine to cast piston rings at the rate of 18,000 to 20,000 a day by whirling molten metal into shape by centrifugal force.

INDUSTRIAL RESEARCH LABORATORIES

Research facilities and the development activities of American industries are to be described in the forthcoming revision of Bulletin of the National Research Council No. 2, "Research laboratories in industrial establishments of the United States of America" Only 300 such laboratories were listed in the first edition, but it is hoped that several hundred new names will appear in the revision and that a more nearly complete reference list will thus become available. The general demand for the first edition of the bulletin shows the wide interest in this subject, and the importance of having every laboratory which devotes even a portion of its time to research property listed. The Council requests information from directors of research who have not already supplied it. The following data are wanted: Name and address of firm and address of laboratory; name of director of research; number on laboratory staff (classified as chemists, engineers, bacteriologists, etc.); approximate proportion of time spent on research; chief lines of research; unusual features of equipment; research laboratory space; date of organization of research laboratory and annual expenditure for research. Confidential information is not desired. It is also requested that librarians in the service of the industries please bring this notice to the attention of the proper officials in their organizations. This material should be furnished as promptly as possible to the Research Information Service, National Research Council, 1701 Massachusetts Ave., Washington, D. C.

BUILDING OPERATIONS IN GUADALAJARA, MEXICO

[Consul O. J. McConnico, Guadalajara, June 10, 1921.]

Building operations have been carried on to an unusual extent in Guadalajara, Mexico, since the beginning of the present year, thus indicating a greater feeling of confidence than has existed for years. Since the 1st of January 294 permits have been issued by the Director General of Public Works for the construction of new and the renovation of old residences. Many of these have been expensive structures. Just at present the city authorities are engaged in repairing the asphalt streets of the city with the sum of 20,000 pesos appropriated for that purpose. For the improvement of the water-supply system it is estimated that the sum of 150,000 pesos will be expended. The address of the official in charge of these operations may be obtained from the Bureau of Foreign and Domestic Commerce or its district or co-operative offices upon reference to file No. 30766.

GARAGE ORDINANCE IS DECLARED UNCONSTITUTIONAL

An ordinance of the city of Long Beach restricting the building of public garages in that city has been held to be unconstitutional by Judge Burnell in the Los Angeles County Superior Court. The ordinance provided that a public garage could not be built without the consent of at least one-fifth of the property owners in the vicinity. Refusal of the city building inspector to issue a permit to R. E. Moore to build a garage on the ground that he had not complied with the ordinance resulted in a petition in mandamus to compel the issuance of the permit, which was granted by the court. Judge Burnell held the ordinance was unconstitutional because it subjected the use of property to the "whim and caprice" of neighboring property owners.

WOOD INDUSTRIES MUST PAY HEAVILY FOR LONG HAULS

"Reforestation has not been taken seriously by the average business man in the United States," said Col. W. B. Greeley, chief of the Forest Service, U. S. Department of Agriculture, before the National Assn. of Wood Turners recently. "Reforestation has been looked upon as a fad quite removed from the practical interests of the manufacturer, as something more concerned with parks or shade trees or rose bushes.

"Chicago is the greatest lumber market in the world. Since 1890 an average of over 2,000,000,000 ft. of lumber has come into Chicago every year. In 1920 the figure was nearly 2,500,000,0000 ft., 60 per cent of which went into local construction and manufacturing industries. In 1900 the average freight paid on lumber coming into Chicago was less than $3 per 1000 ft. Since that time the local sources of supply for this territory have been exhausted one after another. Lumber shipments have traversed greater and greater distances, and the average freight bill paid by the Chicago distributor has steadily risen to more than $12 per 1000 ft.

"In other words, the increased transportation charge on lumber shipments into Chicago, as a result of the exhaustion of the forest regions surrounding it, represents a toll of $22,500,000 annually. And while this has happened there have accumulated in the Central and Lake States nearly 23,000,000 acres of logged-off forest land which is producing neither farm crops nor timber; $22,500,000 is the yearly tax which the wood-using industries and home builders, supplied through Chicago, pay for the idleness of a large part of the soil in the surrounding States which should furnish the natural supply for this district. This sum would plant every year 1,500,000 acres of land with forest trees.

"This illustration may be extended to cover the four states of Illinois, Indiana, Wisconsin and Michigan. These states consume annually between 4,000,000,000 and 5,000,000,000 ft. of timber in furniture factories, sash and door mills, factories manufacturing agricultural implements, wood-turning establishments and other wood-using industries. Sawmills are excluded from this estimate, also the requirements for general construction and housing, and the consumption of lumber on farms. The manufacturers referred to represent an invested capital of $760,000,000 and enroll 260,000 skilled employes. This great manufacturing industry was built up on the softwood forest of the Lake States and the hardwood forests of the Ohio and upper Mississippi valleys, whose products were available at a low transportation cost. In these four states enough forest land to supply in full the needs of these industries now stands idle.

"We are cutting our timber probably four times as fast as timber is being grown. It is useless to decry the generous use which American industry has made of our forests. It has contributed powerfully to the industrial development and commercial supremacy of the United States. The forestry problem does not result from the liberal use of our forests, but from our failure to use our forest-growing land. There is an ample area of land in this country, which is not tillable, to support all of our timber requirements, all of our wood manufactures, all of our home building and agricultural use of lumber, indeed an even larger export trade than at present, if that land can be kept at work growing timber. Reforestation has become a commercial necessity of the United States."

LUMBERMEN WILL MEET IN TACOMA

Tacoma has been chosen as the convention city for three of the most important meetings of lumbermen to be held in the United States this year. July 28 and 29 Tacoma will see the quarterly meeting of the trustees of the National Lumber Manufacturers' Assn., the annual meeting of the West Coast Forest Products Bureau, and the quarterly meeting of the West Coast Lumbermen's Assn. More than 500 lumbermen from all parts of the United States and the leading figures in the industry will attend. The meeting of the National Board of Trustees will be the first held by that body on the Pacific Coast.

REVIEW OF FAR EASTERN COMMERCIAL PRESS.

[Prepared by the Far Eastern Division, Bureau of Foreign and Domestic Commerce.]

Hydro-electric Plants for Japan.

It is understood, states an issue of Finance and Commerce, that a plan for the construction of nine hydro-electric plants to use the waters of the Sho and the Chigusa Rivers is being considered by the Hyogo Prefectural Assembly. It is proposed to begin construction in 1921 and to complete three plants every two years until 1926.

Japanese cities have public ovens where housewives may have their meals cooked.

PROSPECTIVE MEMBERS OF A. A. E.

Fourteen new applications have been filed with the San Francisco Chapter, American Association of Engineers, for membership. Civil engineers seeking membership are Herbert Allen, Russell J. Ambose, Arthur Astley, H. M. Bedolfe, J. W. Chrimes, W. F. Chapman, G. E. Kimball, C. E. Pullman, Ralph H. Nichols, Valor C. Smith, John Allen Scoville, John W. Wood. A. S. A. Bevan, a mechanical engineer, and H. M. Smitten, structural engineer, are also applicants.

ORDERS FOR STEEL LESS THAN FOR MANY MONTHS

The monthly tonnage report of the United States Steel Corporation shows 5,117,805 tons of unfilled orders on hand June 30. This is a decrease from unfilled orders on May 31, which were 5,482,187 tons. This is the smallest total of unfilled orders since April, 1919, when 4,800,685 tons were on hand

COLORADO ROAD REGULATIONS

Road regulations of Colorado, according to a recent Service Bulletin of the Iowa Highway Commission, limit the speed of automobiles to 35 miles per hour; require tail lights on horse vehicles; limit width of vehicle bodies to 9 ft.; and require the loading to be such that the driver can at all times see the road behind his vehicle.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1472	Leigh	Owner	8000
1473	Knoll	Owner	7000
1474	Chiotti	Owner	900
1475	Muller	Owner	800
1476	Davis	Moore	44463
1477	Andersen	Foss	2000
1478	Matraia	Mission	19773
1479	Same	Band	1757
1480	Miller	Owner	3000
1481	Tekuqawa	Ishii	750
1482	Schainman	Sommer	985
1483	Bothin	Crothers	999
1484	Day	Nichol	500
1485	Hamlin	Bovyer	850
1486	Maude	Owner	500
1487	Murray	Owner	4000
1488	Julius	Filippis	10000
1489	Capurro	Ponsero	13300
1490	Fatjo	Barrett	800
1491	Pacific	Kiernan	500
1492	Stewart	Ownerz	1800
1493	Berry	Owner	2500
1494	Mertes	Petry	3100
1495	S P Co	Tibbitts	——
1496	Epplers	Kulchar	500
1497	Nishkian	Hjul	25000
1498	Friend	Thuelin	500
1499	Beck	Diestel	1000
1500	Mortara	Woods	2000
1501	Jansson	Owner	3950
1502	Nelson	Owner	5000
1503	Nelson	Owner	4000
1504	Goss	Simons	3000
1505	Waters	Kincanon	41000
1506	McVeigh	Himminga	12098
1507	Clausen	Owner	12000
1508	Gensler-Lee	Braas	2200
1509	Schwartz	Owner	20000
1510	Young	McKenzie	500
1511	Mariani	Wengard	4965
1512	Gecko	Fink	8000
1513	Sullivan	Ewing	597
1514	Rice	Fennell	9238
1515	Goldstein	Allen	10000
1516	Jaeger	Mullen	18335

PERMITS

FRAME FLATS
(1472) W SIXTH AVE 125 N Geary. Two-story and basement frame (2) flats.
Owner—David Leigh, 840 44th Ave., San Francisco.
Day's work. $8000

FRAME FLATS
(1473) W SEVENTEENTH AVE 100 N Anza. Two-story and basement frame (2) flats.
Owner—Mrs. A. H. Knoll, Hearst Bldg., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. $7000

DWELLING
(1474) SW HOLLISTER 200 SE Jennings. One and one-half-story and basement frame dwelling.
Owner—Battista Chiotti, 922 Jamestown Ave., San Francisco.
Architect—None.
Day's work. $900

ALTERATIONS
(1475) 176 DIVISADERO. Enlarge bed room; plaster interior and tar and gravel roofing.
Owner—Louis Muller, Premises.
Architect—E. A. Neumarkel, 544 Market St., San Francisco.
Day's work. $800

RECORDED

ALTERATIONS
(1476) NE FIRST 275 SE Market SE 91-8xNE 137-6. All work except elevators, sprinkler equipment, wiring, steam heating, plumbing, painting, trimming hardware and shades for alterations to Class C building.
Owner—Norris K. Davis and Mercantile Trust Co., Trustee Estate Horace Davis, dec'd., 400 7th St., San Francisco.
Architect—Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Clarence M. Moore and M. R. Madsen, 77 O'Farrell St., S. F.
Filed July 8, '21. Dated June 14, '21.
4th story walls up and 5th floor joists set .....$ 8,250
Roof raised & fire walls done 8,250
Lath and plaster done..... 8,250
Completed and accepted..... 8,597
Usual 35 days..... 11,116
TOTAL COST, $44,463
Bond, $22,232. Surety, New Amsterdam Casualty Co. Limit, 90 days. Forfeit, $20. Plans and specifications filed.
NOTE—Permit reported May 23, 1921 No. 1228.

STORE
(1477) N CABRILLO 70 E La Playa. One-story frame store.
Owner—R. Andersen, Box 882, Benicia, Cal.
Architect—None.
Contractor — C. R. Foss, 4095 Army St. $2000

RECORDED

APARTMENTS
(1478) N GEARY 137-6 E Jones E 28 xN 62-6. All work except electric work, shades, wall beds, stoves, plumbing, painting, heating, electric fixtures for three-story and basement reinforced concrete store and apartments.
Owner—Carlo Matraia.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—Mission Concrete Co., Call Bldg., San Francisco.
Filed July 9, '21. Dated June 22, '21.
Foundation completed and concrete poured to 2nd floor.....$3000
First and 2nd floor joists set and finish roof on..... 3000
Inside plaster completed and 1st coat on outside..... 3829
Completed and accepted..... 5000
Usual 35 days..... 4944
TOTAL COST, $19,773
Bond, $9887. Sureties, W. H. Guecco and Jno. Cassaretto. Limit, none. Forfeit, $20. Plans and specifications filed.
NOTE—Permit reported June 22, 1921 No. 1378.

(1479) PLUMBING AND GAS FITTING on above.
Contractor—S. W. Band, 580 Valencia, San Francisco.
Filed July 9, '21. Dated June 22, '21.
Roughed in $658
Completed and accepted..... 659
Usual 35 days..... 440
TOTAL COST, $1757
Bond, $900. Sureties, R. W. Moller and J. A. Maduros. Limit, as soon as possible. Forfeit, $20. Plans and specifications filed.

DWELLING
(1480) NW ARMY AND YORK. One-story and basement frame dwelling.
Owner—Wm. Miller, 49 Park St., S. F.
Architect—None.
Day's work. $3000

ALTERATIONS
(1481) 1718 BUCHANAN. Alter for basement store.
Owner—G. Tekuqawa, Premises.
Architect—None.
Contractor—Y. Ishii, 1767 Post St., San Francisco. $750

ALTERATIONS
(1482) 928 BRODERICK. Build mosaic steps and install hardwood floors for two flats.
Owner—P. Schainman, 2765 Lombard St., San Francisco.
Architect—None.
Contractor—I. M. Sommer & Co., 401 Balboa Bldg., S. F. $985

ALTERATIONS
(1483) 246 FIRST. Alterations and general repairs for lofts.
Owner—Bothin Real Estate Co., 604 Mission St., San Francisco.
Architect—None.
Contractor—R. A. Crothers, 4434 25th St., San Francisco. $999

REPAIRS
(1484) 2517-23 MISSION. Repair fire damage to club rooms.
Owner—Maud A. Day, 80 Post St., San Francisco.
Architect—None.
Contractor—H. L. Nichol, 1381 Stevenson St., San Francisco. $500

ADDITION
(1485) 2230 PACIFIC AVE. Addition of one room for school.
Owner—Miss Hamlin, Premises.
Architect—None.
Contractor—Bovyer & Sons, 2407 California St., San Francisco. $850

ADDITION
(1486) 121 TWELFTH AVE. Move cottage and add bath and toilet.
Owner—W. M. Maude, 1848 McAllister St., San Francisco.
Architect—None.
Day's work. $500

RESIDENCE
(1487) NE NORTHWOOD & PIZARRO. One-story and basement frame residence.
Owner—L. H. Murray, 201 Madison St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000

RECORDED

FLATS
(1488) NW LAKE AND NINTH AVE. W 30xN 72. All work except hardwood floor, electric wiring and electric fixtures, shades, painting, decorating, finish hardware, hot-water heaters for three-story and basement and garage flat building.
Owner—Elizabeth Julius.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Vincent Filippis, 1527 Powell St., San Francisco.
Filed July 11, '21. Dated Apr. 3, '21.
Foundations completed & frame up $2500
Rough plumbing in and brown coated 2500
Completed and accepted..... 2500
Usual 35 days..... 2500
TOTAL COST, $10,000
Bond, none. Limit, 120 days after June

22. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported April 23, 1921, No. 973.

ALTERATIONS
(1489) S BROADWAY 137-6 W Grant W 34-4½xS 137-6. All work for alterations and additions to three-story Class "C" building.
Owner—G. Capurro.
Architect—Chas. Fantoni, 550 Clay St., San Francisco.
Contractor — Giovanni Ponsero, 641 Broadway, San Francisco.
Filed July 11, '21. Dated June 15, '21.
Outside walls done, building enclosed, roof repaired and bearing partition studs in place..$3325
Brown coated 3325
Completed and accepted..... 3325
Usual 35 days..... 3325
TOTAL COST, $13,300
Bond, $6650. Sureties, Giacomo Romagna and J. Salanave. Limit, 70 days. Forfeit, $15. Plans and specifications filed.
NOTE—Permit reported June 18, 1921. No. 1349.

REPAIRS
(1490) 1609-11-13 ELLIS ST. Repair fire damage to stores.
Owner—Fatjo Estate, San Jose.
Architect—None.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco. $800

UNDERPIN WALL
(491) W POLK 40 N Pine. Underpin wall of store.
Owner — Pacific Embrodiery Co., 130 Sutter St., San Francisco.
Architect—None.
Contractor—Kiernan & O'Brien, 1756 Mission St., San Francisco. $500

RESIDENCE
(1492) W REVERE 25 S Jennings. One-story and basement frame residence.
Owner—A. L. Stewart, 1258 Revere Ave., San Francisco.
Architect—None.
Day's work. $1800

ALTERATIONS
(1493) N WASHINGTON 110 E Divisadero. Alter and add one bath room to each flat; excavate basement for garages and general alterations to front.
Owner—B. S. Berry, 2136 Howard St., San Francisco.
Architect—None.
Day's work. $2500

RECORDED

REPAIRS
(1494) 318 THIRD AVE. Repairs to building partly destroyed by fire.
Owner—G. W. Mertes, 475 8th Ave., San Francisco.
Architect—None.
Contractor—A. Petry, 890 Page St., San Francisco.
Filed July 12, '21. Dated July 11, '21.
Roof boards on.....$775
Brown coated 775
Completed 775
Usual 35 days..... 775
TOTAL COST, $3100
Bond, none. Limit, 75 days. Forfeit, none. Specifications only filed.
NOTE—Permit also applied for today

EXTENSION OF TIME
(1495) AGREEMENT EXTENDING time for alterations and reinforcements of north deck of Fourth St. bridge to 60 days from June 21 and agreement as to bond of Fidelity & Deposit Co. of Maryland, covering same.
Owner—Southern Pacific Company.
Architect—None.
Contractor — Tibbitts-Pacific Co., 16 California St., San Francisco.

ALTERATIONS
(1496) NW CALIFORNIA AND HYDE General alterations and repairs for bakery.
Owner—Epplers Bakery Co.
Plans by Contractor.
Contractor—S. Kulchar Co., Oakland. $500

PRINTING PLANT
(1497) NE COMMERCIAL & LEIDESDORFF. Two-story and basement concrete printing plant.
Owner—L. H. Nishkian, 853 Monadnock Bldg., San Francisco.
Architect—None.
Contractor—J. H. Hjul, 850 Monadnock Bldg., San Francisco. $25,000

ALTERATIONS
(1498) 1616-18-20 LARKIN. Alter for basement garage in flats.
Owner—H. Friend, 1618 Larkin St., San Francisco.
Architect—None.
Contractor—A. L. Thuelin, 242 18th Ave San Francisco. $500

REPAIRS
(1499) 1776-1778 PAGE. Repair fire damage to 2 flats; 5-ply tar and gravel roof, etc.
Owner—P. Beck, 248 Russ Bldg., San Francisco.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., $1000

DWELLING
(1500) E SAN JOSE AVE 191 N Ocean Ave. One-story and basement frame dwelling.
Owner—G. Mortara.
Architect—O. E. Evans, 2569 Mission St., San Francisco.
Contractor—D. Woods, 328 Delano Ave., San Francisco. $2000

DWELLING
(1501) W SIXTEENTH AVE 225 S Cabrillo. One-story and basement frame dwelling.
Owner—E. A. Janssen, 402 Hearst Bldg. San Francisco.
Architect—None.
Day's work. $3950

DWELLING
(1502) S WAWONA 200 W Vicente. One-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, West Portal Park, San Francisco.
Architect—None.
Day's work. $5000

DWELLING
(1503) S WAWONA 250 W Vicente. One-story and basement frame dwlg.
Owner—Fernando Nelson & Sons, West Portal Park, San Francisco.
Architect—None.
Day's work. $4000

REPAIRS
(1504) 1917 SACRAMENTO. General repairs for home; electric work; painting; carpentry; plumbing, etc.
Owner—Anna A. Goss, 1109 Franklin St., San Francisco.
Architect—E. W. Simons, 143 Clarendon Ave., San Francisco.
Contractor—E. W. Simons, 143 Clarendon Ave., S. F. $3000

RECORDED

APARTMENTS
(1505) E VAN NESS — N Vallejo N 56-9 E 69 S 11-9 E 25-11 S 44 W 94-5. All work for eight three-room apartments.
Owner—Anna M. Waters and Rose E. Lawton, 1120 Jones St., S. F.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Kincanon & Perego, 159 Sutter St., San Francisco.
Filed July 13, '21. Dated July 1, '21.
$10,000 cash; $5000 3rd deed of trust $20,000 1st mortgage; $6000 2nd deed of trust.
Payments on building as follows:
When deed goes on record.....$3500
Roof rafters on..... 5000
Brown coated 5000
Completed and accepted..... 5000
Usual 35 days..... 1500
TOTAL COST, $41,000
Bond, limit, forfeit, plans and specifications, none.
NOTE:—Permit reported June 25, 1921, No. 1409.

FRAME FLATS
(1506) E TWENTY-SIXTH AVE 126 S West Clay S 26-8xE 120. All work for two-story frame flat building.
Owner—John and Margaret McVeigh, 179 11th Ave., San Francisco.
Supervising Architect — August G. Headman, Call Bldg., San Francisco
Contractor—W. L. Hemminga, 47 Ashbury St., San Francisco.
Filed July 13, '21. Dated July 11, '21.
Frame up and roof completed..$2150
Brown coated 2150
Ready for painting..... 2200
Completed and accepted..... 2573
Usual 35 days..... 3025
TOTAL COST, $12,098
Bond, $6049. Sureties, R. E. Hemminga and A. L. Dunphy. Limit, 90 days. Forfeit, $10. Plans and specifications filed.
NOTE:—Permit reported June 30, 1921, No. 1431.

FRAME FLATS
(1507) SW CALIFORNIA & TWENTY-fourth Ave. Two-story and basement frame (4) flats.
Owner—C. O. Clausen, Hearst Bldg., San Francisco.
Architect—Owner.
Day's work. $12,000

ALTERATIONS
(1508) 818 MARKET. Change store front and erect balcony.
Owner—Gensler-Lee, Premises.
Designer—H. P. Vollmer, Flood Bldg., San Francisco.
Contractor—Braas & Kuhn Co., 1917 Bryant St., San Francisco. $2200

APARTMENTS
(1509) S WEST CLAY 90 E 27th Ave. Two-story and basement frame (4) apartments.
Owner—Solomon Schwartz, Care Architect.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $20,000

ALTERATIONS
(1510) 2780 CALIFORNIA. Alter for basement garage.
Owner—Geo. H. Young, 450 12th Ave., San Francisco.
Architect—None.
Contractor—H. K. McKenzie, 1025 Anza St., San Francisco. $500

DWELLING
(1511) E FORTY-THIRD AVE 175 N Irving. One-story and basement frame dwelling.
Owner—A. Mariani, 85 Collingwood St., San Francisco.
Architect—None.
Contractor—C. Wengard, 1286 34th Ave. San Francisco. $4965

ALTERATIONS
(1512) 216 POST. Install fixtures in show windows.
Owner—Gecko Co., Premises.
Architect—Wm. Toepke, 942 Market St., San Francisco.
Contractor—The Fink & Schindler Co., 226 13th St., San Francisco. $3000

ADDITION
(1513) 414 SHRADER. Add kitchen and porch to residence.
Owner—Mr. Sullivan, 414 Shotwell St., San Francisco.
Architect—None.

Contractor—Ewing & McHardy, 1550 Waller St., San Francisco. $597

GARAGE
(1514) S TWENTIETH 27-6 W Shotwell. One-story brick public garage.
Owner—Mrs. W. F. Rice, 3353 20th St., San Francisco.
Architect—None.
Contractor—Martin M. Fennell, 226 Balboa Bldg., San Francisco. $9238

RESIDENCE
(1515) NE TWENTY-SEVENTH AVE and Sea Cliff. Two-story and basement frame residence.
Owner—Nat Goldstein, Cr. Architect.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $10,000

RECORDED

ALTERATIONS
(1516) 218 POST ST. N line bet. Grant Ave and Stockton. Alterations and additions to store.
Owner—Dr. Jaeger's Sanitary Woolen System Co., Premises.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Contractor — Mullen Mfg. Co., 64-68 Rausch St., San Francisco.
Filed July 14, '21. Dated June 29, '21.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $18,335
Bond, $9200. Surety, National Surety Co. Limit, 29 days. Forfeit, $50. Plans and specifications filed.
NOTE:—Permit reported July 6, 1921 No. 1451.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
July 13, 1921—S CASTENADA AVE 185.34 W Montalvo Ave W 37xS 100 Blk 18; S Castenada Ave 306.34 W Montalvo Ave W 37xS 100 Blk 18. S Castenada Av 269.34 W Montalvo Ave W 37xS 100 Blk 18, Forest Hill. John Harder to whom it may concern .....July 13, 1921
July 13, 1921—BLOCK BDED. BY Powell, Jefferson, Mason & Beach. Pacific Gas & Electric Co to Western Iron Works.....July 12, 1921
July 12, 1921—E NINTH AVE 250 S Irving S 25xE 120. Louise Skelly to whom it may concern.July 12, 1921
July 11, 1921—NE EIGHTH AVE & Cabrillo 30-4x90. Karl H Holmgren to whom it may concern..... .....July 11, 1921
July 11, 1921—E TWENTY-FIFTH Ave 50 N Anza N 25xE 107-6. Daniel Hanley to whom it may concern .....July 11, 1921
July 11, 1921—N CABRILLO 100 E 10th Ave. R N Gibson to whom it may concern.....June 30, 1921
July 9, 1921—NE GENEVA AVE 95.574 E Mission E 24xNE 100. S Barbieri and A Rossi & G Moretton .....May 28, 1921
July 8, 1921—E TWENTY-SIXTH Ave 200 N Cabrillo N 50xE 120. John von Husen to whom it may concern.....July 7, 1921
July 7, 1921—SE DANVERS AND 18th E 44-9 S 121 W 2-5 N 128-6. Giacomo Andriano to James A Jenkins and R A Brown.July 7, 1921
July 6, 1921——W NINETEENTH Ave 128 S Balboa S 28xW 120. Alfred J Gray to whom it may concern.....June 30, 1921
July 6, 1921——W THIRTY-SIXTH Ave 125 N Cabrillo N 25x W120. John J Pratt to whom it may concern.....June 20, 1921
July 6, 1921—W NINETEENTH AVE 156 S Balboa S 28xW 120. Alfred J Gray to whom it may concern..... .....June 30, 1921
July 5, 1921——E ORD 260 N 18th N 25 E 111.822 SW 58.475 m or l W 58.967. Clara Horstmeyer to whom it may concern..July 5, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
July 9, 1921 — W TWENTY-SIXTH Ave. 118 N Clement N 25 W 120 N 85-2¼ W 65-7½ SE 110-2¼ E 124-7. Thos. Day Co. vs David Lucid & Louis H. Lee.....$75
July 6, 1921—LOT 30 Map Oak View Tract, Eden Tp. Sunset Lumber Co vs G S Chambers and Manuel Jose $29.25
July 6, 1921—W TWENTY-SIXTH Ave 118 N Clement N 25 W 120 N 82 W 65-7½ SE 110-2¼ E 174-7. J D Geno vs David Lucid and Louis H Lee $319.70
July 1, 1921——NO. 1924 TWENTY-fifth. S Steinberg and W B Jefferson (as The Greater City Lumber Co) as Andrew W Sandman... .....$28.65

RELEASE OF LIENS

SAN FRANCISCO COUNTY

July 7, 1921—NO. 1506 TO 1510 SANchez N line bet. 28th and Valley. Brown & Brown to Eugene Ferto..

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

July 9, 1921—E MISSION 80 N 15th N 70 x E 160. Elise Hollscher as to improvements on property.

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt
2302	Richards	Barrington	572
2303	Shelley	Adams	600
2304	Bates	Maurice	900
2305	White	Owner	7000
2306	Hill	Von Werder	400
2307	Graff	Owner	450
2308	City of Oakland	Warden	50318
2309	Cannbley	Owner	3300
2310	Olson	Isakson	2000
2311	Davis	Owner	3500
2312	Gennoy	Owner	800
2313	Swifel	Johnson	1000
2314	Short	Short	8000
2315	Emeryville	Rutherford	3800
2316	Anderson	Anderson	6000
2317	Wright	Owner	3750
2318	Lemmon	Anderson	6000
2319	Stubbs	MacGregor	4950
2320	Wright	Owner	3750
2321	McClure	Frostholm	2000
2322	Ponte	Cunhas	600
2323	Parker	Owner	3500
2324	Lindquist	Owner	1000
2325	Braun	Owner	600
2326	Calder	Owner	400
2327	Barker	Bernhardt	1000
2328	St. Mary's	Glynn	850
2329	Culbertsen	Owner	450
2330	Kibbe	Cox	750
2331	Mann	Owner	800
2332	Fabing	Owner	3800
2333	Dolan	Owner	4000
2334	Farley	Owner	400
2335	Lubber	Owner	700
2336	Carleton	Owner	450
2337	Cone	Littlefield	4000
2338	Hoyt	Burritt	7846
2339	Wester	Owner	800
2340	Keati	Owner	1200
2341	Connelly	Owner	500
2342	Nethken	Owner	1850
2343	Rodrigues	Brown	1500
2344	Marchette	Maderos	600
2345	Munsterman	Owner	500
2346	Ugland	Leonard	7200
2347	Ure	Owner	500
2348	Acheson	Owner	1500
2349	Leschmsky	Owner	3000
2350	Hacke	Hapberg	750
2351	Wright	Owner	1000
2352	Silverberg	Froling	450
2353	Anderson	Owner	3000
2354	Klinker	Cal Bldrs	6000
2355	Crofoot	Owner	2000
2356	Brock	Oakes	800
2357	Merriman	Owner	1650
2358	Ables	Graff	12868
2359	Kranso	Owner	6000
2360	Smith	Owner	500
2361	Minami	Owner	1000
2362	Hoyt	Burritt	7446
2363	Same	Same	400
2364	Healy	Owner	5000
2365	Brown	Hart	2000
2366	Wilson	Taylor	2080
2367	Watters	Owner	3500
2368	Schartzer	Owner	75000
2369	Smith	Howell	600
2370	Service	Nelson	8100
2371	Same	Olson	14190
2372	Same	Reed	6192
2373	Same	Hiester	2370
2374	Same	Baker	1360
2375	Morgensen	Owner	4300
2376	Carlson	Francis	3400
2377	Soares	Kopf	3750
2378	Bercovich	Peterson	1500
2379	Thornton	Shrader	1000
2380	Mould	Shrader	441
2381	Daniels	Corbett	480
2382	Oakland	Maurice	14663
2383	Gekco	Fink	19729
2384	Osborn	Rankin	6868
2385	Claussenius	Picard	1798
2386	Claussenius	Roberts	250

PERMITS

GARAGE
(2302) 2824 BENVENUE. Berkeley. Garage.
Owner—D. N. Richards, Premises.
Architect—None.
Contractor—C. W. Barrington. $572

GARAGE
(2303) 826 MENDOCINO AVE., Berkeley. Garage.
Owner—L. Shelley, Premises.
Architect—None.
Contractor—W. E. Adams, 4319 Gilbert St., Oakland. $600

ALTERATIONS
(2304) 399 BELLEVUE AVE., Oakland Alterations and additions.
Owner—Chas. D. Bates Jr.
Architect—None.
Contractor—F. W. Maurice, 1362 E-25th St., Oakland. $900

ALTERATIONS
(2305) 663 ELEVENTH ST., Oakland. Alter dwelling into apartments.
Owner—Josephine White, Premises.
Architect—Miller & Warnecke, 414 13th St., Oakland.
Day's work. $7000

ADDITION
(2306) 3530 FOURTEENTH AVE., Oakland. Addition.
Owner—C. A. Hill, Premises.
Architect—None.
Contractor—G. H. Von Werder, 3224 14th Ave., Oakland. $400

DWELLING
(2307) W FOURTEENTH AVE 70 N E-17th, Oakland. One-story 3-room dwelling.
Owner—L. Graff, 2324 14th Ave., Okd.
Architect—None.
Day's work. $450

SHOP
(2308) FORTY-SEVENTH AVE. and Foothill Blvd., Oakland. One-story concrete shop bldg.
Owner—City of Oakland.
Architect—None.
Contractor—Fred Warden, 354 Sussex St., S. F. $50,818

DWELLING
(2309) NE COR FIFTY-FIRST ST. & Shafter Ave., Oakland. One-story 5-room dwelling & garage.
Owner — Carl Cahnbley, 389 51st St., Oakland.
Architect—None.
Day's Work. $3300

DWELLING
(2310) W HALEY AVE. 137 S Hopkins, Oakland.
Owner — Albertnia Olson, 3458 Fruitvale Ave., Oakland.
Architect—None.
Contractor—Isakson & Sons, 3060 Dellview Ave., Oakland. $2000

DWELLING
(2311) W LINWOOD AVE. 335 S Hampel, Oakland. One-story 5-room dwelling.
Owner—Geo. B. Davis, 3283 Hyde St., Oakland.
Architect—None.
Day's Work. $3500

DWELLING
(2312) W ONE HUNDRED THIRD Ave. 100 S Plymouth St., Oakland. One-story 4-room dwelling.
Owner—J. P. Gennoy, 4027 Quigley St., Oakland.
Architect—None.
Day's Work. $800

DWELLING
(2313) N REDDING ST. 400 E Maybelle, Oakland. One-story 3-room dwelling.
Owner—P. K. Swifel.
Architect—None.
Contractor—Hans Johnson, 3328 Abbey St., Oakland. $1000

DWELLING
(2314) N ROSAL AVE. 160 W Lakeshore Ave., Oakland. Two-story 9-room dwelling.
Owner — Louise H. Short, 245 Acton Place, Oakland.
Architect—None.
Contractor — C. W. Short, 245 Acton Place, Oakland. $8000

DWELLING
(2315) SW COR THIRTY-EIGHTH & Linden Sts., Oakland. One-story 5-room dwelling.
Owner — Emeryville Investment Co., 3940 San Pablo Ave., Oakland.
Architect—None.
Contractor—Thos. Rutherford, 985 35th St., Oakland. $3800

DWELLING
(2316) E ADAMS 126 S Perkins, Oakland. One-story 7-room dwelling.
Owner—W. C. Anderson.
Architect—None.
Contractor—Geo. W. Anderson, 912 Bay View St., Oakland. $6000

DWELLING
(2317) N CARRINGTON 100 W 40th Ave., Oakland. One-story five-room dwelling.
Owner—Wilder Wright, 5345 College Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(2318) NE GLENVIEW AND WARfield, Oakland. One and one-half-story 8-room dwelling.
Owner—Mrs. K. Lemmon.
Architect—None.
Contractor—Geo. W. Anderson, 912 Bay View, Oakland. $6000

DWELLING
(2319) COR. DALE AND NOVA, Piedmont. Two-story frame dwelling.
Owner—Ethel G. Stubbs.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., kaOland. $4350

DWELLING
(2320) N CARRINGTON 110 W 40th Ave., Oakland. One-story 5-room brick dwelling.
Owner—Wilder Wright, 5345 College Ave., Oakland.
Architect—None.
Day's work. $3750

ADDITION
(2321) 598 E-TWENTIETH ST., Oakland. Addition.
Owner—Mrs. Donald McClure.
Architect—None.
Contractor— H. M. Frostholm, 877 Lakeshore Ave., Oakland. $2000

ALTERATIONS
(2322) 1420 NINETY-NINTH AVE., Oakland. Alterations and additions
Owner—Owner—Vasco H. Ponte.
Architect—None.
Contractor—M. Cunhas, 675 98th Ave., Oakland. $600

DWELLING
(2323) 1535 BEVERLY PLACE, Berkeley. One-story 5-room dwlg.
Owner—Brooks C. Parker, 1560 Beverly Place, Berkeley.
Architect—None.
Day's work. $3500

ALTERATIONS
(2324) 2235-7 BANCROFT WAY Berkeley. Alterations.
Owner—Ida and N. E. Lindquist, Prem.
Architect—None.
Contractor—N. E. Lindquist, Premises. $1000

ADDITION
(2325) 1329 BONITA, Berkeley. Addition.
Owner—Emlie Braun, Premises.
Architect—None.
Day's work. $600

ADDITION
(2326) 2342 GRANT ST., Berkeley. Addition.
Owner—A. S. Calder, Premises.
Architect—None.
Day's work. $400

ALTERATIONS
(2327) 2466 SHATTUCK AVE., Berkeley. Alterations.
Owner—Barker Estate Co.
Architect—None.
Contractor—G. L. Bernhardt, 2161 Shattuck Ave., Berkeley. $1000

ADDITION
(2328) SW BROADWAY AND HAWthorne, Oakland. Addition.
Owner—St. Mary's College.
Architect—None.
Contractor—H. Glynn, 722 35th St., Oakland. $850

ADDITION
(2329) 8101 E-FOURTEENTH, Oakland. Addition.
Owner—D. E. Culbertsen, Premises.
Architect—None.
Day's work $450

ALTERATIONS
(2330) 1805 FRUITVALE AVE., Oakland. Alterations,
Owner—Dr. M. E. Kibbe.
Architect—None.
Contractor—L. M. Cox, 3508 Foothill Blvd., Oakland. $750

ADDITION
(2331) 5915 HAYES ST., Oakland. Addition.
Owner—P. E. Mann.
Architect—None.
Day's work. $800

DWELLING
(2332) S HOPKINS 320 W 13th Ave., Oakland. One-story 5-room dwlg.
Owner- F. N. Fabing, 3605 13th Ave., Oakland.
Architect—None.
Day's work. $3800

DWELLING
(2333) E KENMORE AVE 200 S Walla Vista, Oakland. One-story 6-room dwelling.
Owner—Leo J. Dolan, 884 54th St., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(2334) W KINGSLAND 50 S Storer, Oakland. One-story 2-room dwlg.
Owner—J. E. Farley, 3512 Suter St., Oakland.
Architect—None.
Day's work. $400

REPAIRS
(2335) 2035 NINETY-FOURTH AVE., Oakland. Repairs.
Owner—E. Lubber, Premises.
Architect—None.
Day's work. $700

DWELLING
(2336) NW SEVEENTY-FIRST AVE. and Rudsdale, Oakland. One-story 3-room dwelling.
Owner—J. W. Carleton, 1201 71st Ave., Oakland.
Architect—None.
Day's work. $450

DWELLING
(2337) W WARFIELD AVE 450 N Fairbanks, Oakland. One-story 5-room dwelling.
Owner—Mrs. G. B. Cone, 834 Isabella St., Oakland.
Architect—None.
Contractor—R. W. Littlefield, 357 12th St., Oakland. $4000

RECORDED

DWELLING
(2338) LOT 1 BLK "D" Map Fourth Avenue Terrace, Oakland. All work for one and one-half-story and basement frame dwelling and garage.
Owner—Frank B. Hoyt, Oakland.
Architect — William E. Milwain, Albany Bldg., Oakland.
Conaractor—Burritt & Shealey, 427 63d St., Oakland.
Filed July 11, '21. Dated July 7, '21.
Brown coated ..... ¼
Frame up and chimneys built... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $7846
Bond, $3923. Surety, Royal Indemnity Co. Limit, 100 days. Forfeit, $3. Plans and specifications filed.

ADDITION
(2339) 1735 BLAKE ST., Berkeley. Addition.
Owner—E. O. Wester, 1737 Blake St., Berkeley.
Architect—None.
Day's work. $800

DWELLING
(2340) 2131 CURTIS ST., Berkeley. One-story 3-room dwelling.
Owner—David Keati.
Architect—None.
Day's work. $1200

ADDITION
(2341) 1350 NEILSON ST., Berkeley. Addition.
Owner—Matt Connelly, Premises.
Architect—None.
Day's work. $500

DWELLING
(2342) S STUART 160 W California, Berkeley. One-story 5-room dwlg.
Owner—Howard Nethken, 3653 Brown Ave., Oakland.
Architect—None.
Day's work $1850

ADDITION
(2343) 2626 E-SIXTEENTH ST., Oak-

land. Addition.
Owner—John Rodrigues.
Architect—None.
Contractor—M. Brown, 1922 E-14th St., Oakland. $1500

DWELLING
(2344) E TWENTY-NINTH AVE 40 N Boehmer St., Oakland. One-story 2-room dwelling.
Owner—Wyo Marchette.
Architect—None.
Contractor—Joe Maderos, 2312 Frederick St., Oakland. $600

TOILET
(2345) S HILLSIDE bet. 87th and Auseon Aves., Oakland. One-story toilet.
Owner—H. Munsterman, 8611 E-14th St., Oakland.
Architect—None.
Day's work. $500

FLATS
(2346) GORE PARK BLVD. AND Brooklyn, Oakland. Two-story 8-room flats.
Owner—Chris. Ugland, 130 E-14th St., Oakland.
Architect—None.
Contractor—Earl B. Leonard, 589 Kenmore Ave., Oakland. $7200

GARAGE
(2347) 2417 LE CONTE AVE., Berkeley. Garage.
Owner—Jessie G. Ure, Premises.
Architect—None.
Day's work. $500

ALTERATIONS
(2348) 2111-13 UNIVERSITY AVE., Berkeley. Alterations.
Owner—W. J. Acheson, Acheson Bldg., Berkeley.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Day's work. $1500

DWELLING
(2349) N VIRGINIA 300 above La Verda, Berkeley. One-story five-room dwelling.
Owner—Wm. Leschmsky, 2731 Hilgard Ave., Berkeley.
Architect—None.
Day's work. $3000

GARAGE
(2350) 1424 MORTON ST., Alameda. Garage.
Owner—H. C. Hacke, Premises.
Architect—None.
Contractor—E. Hapberg, 180 Jessie St., San Francisco. $750

ALTERATIONS
(2351) 475 SANTA CLARA AVE., Alameda. Alterations.
Owner—J. P. Wright, Premises.
Architect—None.
Day's work. $100

ADDITION
(2352) 1111 WALNUT ST., Alameda. Addition.
Owner—L. Silverburg, Premises.
Architect—None.
Contractor—C. Froling, 1115 Walnut St., Alameda. $450

DWELLING
(2353) N BROOKDALE AVE 110 E Short St., Oakland. One-story five-room dwelling.
Owner—A. T. Anderson, 9302 Birch St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2354) SE CARLTON AND MONROE Sts., Oakland. One-story 5-room dwelling.
Owner—D. Klinker.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland. $6000

STATION
(2355) GORE CLAREMONT AND COLlege Aves., Oakland. One-story brick service station.
Owner—E. B. Crofoot, 5763 Ayala St., Oakland.
Architect—None.
Day's work. $2000

REPAIRS
(2356) 5677 COLLEGE AVE., Oakland. Fire repairs.
Owner—Mrs. M. Brock, 2326 Fulton St., Berkeley.
Architect—None.
Contractor—T. J. Oakes, 2828 Beaumont Ave., Oakland. $800

ADDITION
(2357) 614 ELDORADO AVE., Oakland. Addition.
Owner—Miss M. Merriman, 567 Oakland Ave., Oakland.
Architect—None.
Day's work. $1650

ADDITION
(2358) N HAWTHORNE 200 W Broadway, Oakland. One-story concrete addition to garage.
Owner—L. C. Ables.
Architect—None.
Contractor—Edwin C. Graff, 355 12th St., Oakland. $12,868

ALTERATIONS
(2359) 127-133 LAKE ST., Oakland. Alter flats into apartments.
Owner—Peter S. Kranso, Premises.
Architect—Wm. J. Wilkinson, 1st Savings Bank Bldg., Oakland.
Day's work. $6000

ADDITION
(2360) 5819 MAYBELLE AVE., Oakland. Addition.
Owner—Sydney Smith.
Architect—None.
Day's work. $500

GREENHOUSE
(2361) NE NINETY-SIXTH AVE AND Almond Ave., Oakland. One-story greenhouse.
Owner—Matsue Minami, 2236 96th Ave., Oakland.
Architect—None.
Day's work. $1000

DWELLING
(2362) SW PARK BLVD & BEAUMONT Oakland. One and one-half-story 6 room dwelling.
Owner—Frank B. Hoyt.
Architect—Wm. E. Milwain, Albany Bldg., Oakland.
Contractor—Burritt & Shealey, 67 Lincoln Ave., Piedmont. $7446

GARAGE
(2363) SW PARK BLVD & BEAUMONT Oakland. Garage.
Owner—Frank B. Hoyt.
Architect—Wm. E. Milwain, Albany Bldg., Oakland.
Contractor—Burritt & Shealey, 67 Lincoln Ave., Piedmont. $400

ALTERATIONS
(2364) S FORTIETH 120 E Telegraph Ave., Oakland. Alter two-story dwelling into apartments.
Owner—P. J. Healy, 39 Nace Ave., Piedmont.
Architect—None.
Day's work. $5000

ALTERATIONS
(2365) 547 THIRTY-THIRD ST., Okd. Alterations and additions.
Owner—L. A. Brown.
Architect—None.
Contractor—D. E. Hart, 1033 60th St., Oakland. $2000

DWELLING
(2366) W EIGHTY-NINTH AVE. 150 N Plymouth, Oakland. One-story 4-roo mdwelling.
Owner—Mrs. M. J. Wilson, 1801 89th Ave., Oakland.
Architect—None.
Contractor—W. C. Taylor, 1901 69th Ave., Oakland. $2080

DWELLING
(2367) W FORTY-SIXTH AVE. 40 S Melrose Ave., Oakland. One-story 5-roo mdwelling.
Owner—Watters & Hill, 1600 High St., Oakland.
Architect—None.
Day's Work. $3500

FACTORY
(2368) W NINETEENTH AVE. S S. P. R. R. tracks, Oakland. One-story frame factory.
Owner—Schartzer Illuminated License Plate Co., premises.
Architect — Edw. DeMar, 3080 Claremont Ave., Bkly.
Day's Work. $75,000

STUDIO
(2369) N WISCONSIN ST. 150 W Midvale, Oakland. One-story 3-room studio.
Owner—F. Denning Smith, 3969 Marion Ave., Oakland.
Architect—None.
Contractor—Wm. L. Howell, 4064 Agua Vista, Oakland. $600

RECORDED

CONCRETE WORK
(2370) W ALICE ST. 1058 N 13th St. N 156 W 150, Oakland. Concrete work.
Owner—The Service Garage Co., 464 Calif. St., S. F.
Architect—Sidney B. & Noble Newsom, Nevada Bank Bldg., S. F.
Contractor—F. E. Nelson.
Filed July 13, 1921; dated June 12, 1921.
Each month 75%
36 days after 25%
TOTAL COST, $8100
Bond and forfeit, none. Limit, 45 days.
Plans and specifications filed.

(2371) CARPENTRY WORK on above
Contractor — Alfred Olson, Everson Bldg., Oakland.
Filed July 13, 1921; dated June 30, 1921.
Payments same as above.
TOTAL COST, $14,190
Bond and forfeit, none. Limit, 60 days.
Plans and specifications filed.

(2372) BRICK WORK & TILE roofing on above.
Contractor—A. G. Reed, 180 Jessie St., San Francisco.
Filed July 13, 1921; dated June 30, 1921.
Payments same as above.
TOTAL COST, $6192
Bond and forfeit, none. Limit, 30 days.
Plans and specifications filed.

(2373) ELECTRIC WORK & fixtures on above.
Contractor — E. C. Hiester (Advance Elec. Co.), 530 12th St., S. F.
Filed July 13, 1921; dated June 30, 1921.
Payments same as above.
TOTAL COST, $2370
Bond, $1185. Surety, Globe Indemnity Co. Forfeit, none. Limit, 60 days.
Plans and specifications filed.

(2374) PAINTING on above.
Contractor—W. T. Baker Co., 333 14th St., Oakland.
Filed July 13, 1921; dated June 30, 1921.
Payments same as above.
TOTAL COST, $1360
Bond, $680. Surety, Globe Indemnity Co. Forfeit, none. Limit, 60 days.
Plans and specifications filed.

DWELLING
(2375) W BROADWAY 100 S Manila Ave., Oakland. One-story 5-room dwelling & garage.
Owner—Morgenson Bros., 602 42nd St., Oakland.
Architect—None.
Day's Work. $4300

DWELLING
(2376) N BOND ST. 162 E 45th Ave., Oakland. One-story 5-room dwlg.
Owner — Robt. Carlson, 2423 Peralta Ave., Oakland.
Architect—None.
Contractor—E. O. Francis, 3940 E-14th St., Oakland. $3400

DWELLING
(2377) S E-EIGHTH ST. 40 E 6th Ave., Oakland. One-story 6-room dwlg.
Owner—T. L. Soares, 1325 E-14th St., Oakland.
Architect—None.
Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland. $3750

ADDITION
(2378) 490 GRAND AVE., Oakland. Addition.
Owner—Dora Bercovich.
Architect—None.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland. $1500

GARAGE
(2379) 775 KINGSTON ST., Oakland. One-story tile garage.
Owner—Samuel Thornton.
Architect—None.
Contractor—J. F. Shrader, 520 16th St., Oakland. $1000

REPAIRS
(2380) 425 NINETEENTH ST., Oakland Fire repairs.
Owner—Mrs. Mould.
Architect—None.
Contractor—J. F. Shrader, 520 16th St., Oakland. $441

ALTERATIONS
(2381) 1779 SIXTEENTH ST., Okd. Alterations.
Owner—P. J. Daniels.
Architect—None.
Contractor — Corbett & Bayliss, 1110 Franklin St., Oakland. $480

ALTERATIONS
(2382) COR. TWENTY-NINTH AVE & Elmwood, Oakland. School alterations.
Owner—City of Oakland.
Architect—None.
Contractor—F. W. Maurice, 1362 E-25th St., Oakland. $14,663

ALTERATIONS
(2383) 1444 BROADWAY, Oakland. Store alterations.
Owner—Gekco Co., 216 Post St., S. F.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—Fink & Schindler Co., 226 13th St., S. F.
Filed July 14, 1921; dated July 11, 1921.
1st and 15th of each month ... 75%
Usual 35 days 25%
TOTAL COST, $19,729
Bond, none. Forfeit, $50 day. Limit, 38 days. Plans and specifications filed.

DWELLING
(2384) LOT 14 BLK A Map East Piedmont Heights, Oakland. Two-story frame dwelling.
Owner—Harold H. Osborn, S. F.
Architect — Hutchison & Mills, 1512 Bdwy., Oakland.
Contractor—S. G. Rankin, 719 Haddon Road, Oakland.
Filed July 14, 1921; dated July 12, 1921.
Rafters in place ..... ¼
Plastered ..... ¼
Accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $6868
Bond and forfeit, none. Limit, 60 days. Plans and specifications filed

BUNGALOWS
(2385) NE UNION AND ALAMEDA Ave 73x100, Alameda Plumbing sewering, gas fitting, leaders, tinning, etc., for three one-story apartment bungalows.
Owner—M. Claussenius, 1813 Alameda Ave., Alameda.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., San Francisco.
Contractor—W. H. Picard, 5656 College Ave., Oakland.
Filed July 14, '21. Dated July 11, '21.
Roughed in $899.00
Completed and accepted..... 449.50
Usual 35 days..... 449.50
TOTAL COST, $1798.00
Bond, none. Limit, without delay. Forfeit, $5. Plans and specifications, none.

(2386) ELECTRIC WORK ON ABOVE
Contractor—Roberts Mfg. Co., 324 12th St., Oakland.
Filed July 14, '21. Dated July 11, '21.
Roughed in $125.00
Completed and accepted..... 62.50
Usual 35 days..... 62.50
TOTAL COST, $250.00
Bond, none. Limit, without delay. Forfeit, $5. Plans and specifications, none.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
July 9, 1921—NO. 20, 21 CURTIS ST., Oakland. Southern Pacific Co to Hutchinson Co.....July 6, 1921
July 9, 1921—BOUNDED BY ROSE, Hopkins and Grant Sts., Berkeley. Berkeley Board of Education to Frederick W Snook Co..June 28, 1921
July 9, 1921—BOUNDED BY ROSE, Hopkins and Grant Sts., Berkeley. Berkeley Board of Education to Butte Elec & Mfg Co....June 18, 1921
July 9, 1921—NW ½ OF LOT 17, Map Piedmont Manor, Piedmont. W. D. Ford to whom it may concern .....July 7, 1921
July 7, 1921—N 40 LOT 7 BLK G Map Port Central Oakland Tract East Telegraph Ave. & Lot 45, Oakland. John E. Murphy to whom it may oncern .....June 30, 1921
July 7, 1921—(1) CALIFORNIA and University Aves., Bkly. (2) 14th & Franklin Sts., Okd. S. P. Co., to Hutchinson Co. .....July 1, 1921
July 7, 1921—W DERBY AVE. 185 N E-12th St. 35 x 120, Oakland. Julia A Grabill to Jos Flittner..... .....June 27, 1921
July 5, 1921—S FORTY-THIRD 100 W Webster, Oakland. Edward Ruebling to M C Vaughn.July 5, 1921
July 5, 1921—OAKLAND PIER, Okd. Southern Pacific Company to Hutchinson Co.....July 5, 1921
July 6, 1921——NO. 5851 HEARN, Okd. A J Pollard to whom it may concern.....June 30, 1921
July 2, 1921—PTN LOTS 9 AND 24 Blk "D", Map Northbrae Property, Bkly. A H Pallen to whom it may concern.....June 30, 1921
July 2, 1921—NE E-FOURTEENTH SE Sunnyside Drive, San Leandro. Darling, Harding Co to Darling, Harding Co.....July 1, 1921
July 1 1921—LOT 8 BLK "H," Revised May of Oakland Heights. Emily C Bornemann to R H Wells .....June 28, 1921
July 1, 1921—LOT 1, 7½ ft. Lot 2 Blk 13, Map Key Route Heights; No. 3735 Wisconsin St., Oakland. M C P Barbe to F E Gold..June 30, 1921
July 1, 1921—W LAGUNA AVE 33.87 S Damuth S 34xW 109.20. Map Rhoda Tract, Oakland. W H Matteson to whom it may concern... .....July 1, 1921
July 1, 1921—LOT 47, Map Rhoda Tract, No. 3900 Laguna Ave., Brooklyn Tp. W H Taylor to E H Matteson .....June 28, 1921

HOMESTEADS

ALAMEDA COUNTY

July 9, 1921—LOT 28 Map Gorrill Glen, Oakland. James T Black.$5000
July 8, 1921—SE TWENTY-FOURTH Ave 90 NE E-15th NE 30xSE 107-6, Oakland. Joseph H Muller....$2000
July 8, 1921—SW DELAWARE AND Grant W 105xS 45, Berkeley. Ethel W Nett (wf Myron D) $5000
July 8, 1921—LOT 4 Map Albrecht Tract, Oakland. Olive Callen (wf J H) $5000
July 7, 1921—SE COR WEBSTER & Colby Sts. E 76.4 S 46, Bkly. S. Laural Evans (wf S. Geo.).....$5000
July 7, 1921 — LOT 23 BLK 3 Map Scenic Blvd. Knoll, Okd. Catherine M. Ryan (wf W. J.).....$5000
July 6, 1921—SW E-TWENTY-8th and W Vallecito Place NW 53.2 SW 46-8 SE 97½-100 N 56 45 5-6-100, Okd. Eloise V Arends (wf Henry V) $4500
July 5, 1921—LOTS 20, 21 AND 22, Map Fitchburg Addition, Oakland. John and Margaret Titteerington $1000
July 5, 1921—W BROWN 116-6 S 60th S 40xW 107, Oakland. Minna C Bright (wf Charles A).....$3000
July 5, 1921—LOT 78 BLK 1 Map Lakeshore Highlands, Oakland. Farrar K Steel (wf Miles F)...$5000

Notice of Non-Responsibility

ALAMEDA COUNTY

July 9, 1921—PTN BLK "S" Map Annex to Meek Orchard Tract, Eden Tp. Alameda Investment Co as to improvements on property.....
July 9, 1921—LOT 9 BLK "C" Map Mastick Park, Alameda. Alameda Investment Co as to improvements on property .....

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
5421 FOURTEENTH AVE., Sacramento. One-story 4-room frame dwelling.
Owner—Trainor Desmond Co., 813 J St., Sacramento.
Architect—None.
Contractor—Brier & Wilson, 813 J St., Sacramento. $2000

FRAME STORE
615 THIRTY-THIRD ST., Sacramento. One-story frame store.
Owner—A. M. Bishop, Premises.
Architect—None.
Day's work. $500

REPAIRS
3992 THIRD AVE., Sacramento. Remodel and repair fire damage to dwelling.
Owner—Wm. Boebel, Premises.
Architect—None.
Contractor—J. A. Coutts, 3959 Y St., Sacramento. $2200

REPAIRS
2507 W ST., Sacramento. Repair frame dwelling.
Owner—W. F. Uhl.
Architect—None.
Contractor—A. Tellstrom, Sacramento Blvd., Sacramento. $1000

MOVE BLDG
5006 FOLSOM BLVD., Sacramento Move building to rear.
Owner—V. Stefani, 4928 Folsom Blvd., Sacramento.
Architect—None.
Day's work $500

REPAIRS
1024-26 J ST., Sacramento. Repairs to store

Owner—Mohr & Yoerk, 1031 K St., Sacramento.
Architect—None.
Contractor—Siller Bros,. 1614 13th St., Sacramento,. $5000

ADDITION
214 NINETEENTH ST., Sacramento. Addition to plant.
Owner—Northern California Milk Producers Association, Premises.
Architect—None.
Day's work. $1500

DWELLING
801 FORTY-THIRD ST., Sacramento. One-story 4-room frame dwelling and garage.
Owner—W. M. Carey, Premises.
Architect—None.
Day's work. $1750

DWELLING
1704 U ST., Sacramento. One-story 5-room frame dwelling.
Owner—Frank Artz, 1911 28th St., Sacramento.
Architect—None.
Day's work. $3500

SCHOOL
K, L, 35th and 36th Sts., Sacramento. Two-story brick and concrete school.
Owner—Sacramento City School Dist.
Architect — Hemmings, Petersen & Hudnutt, Library Bldg., 9th and L Sts., Sacramento.
Contractor—Wm. Murcell , Ochsner Bldg., Sacramento. $239,060
Filed July 12, '21. Dated June 28, '21.

GARAGE
FAIR OAKS KENNELS, Sacramento. Frame garage.
Owner—Frank Wright, 1421 11th St., Sacramento.
Architect—None.
Contractor—Wilkie & Tropper. $1295
Filed July 8, '21. Dated July 12, '21.

REPAIRS
900 FIFTY-FIRST ST., Sacramento. Repair fire damage.
Owner—M. Reddy, Premises.
Architect—None.
Contractor—Chas. Carson, 4115 43rd St. Sacramento. $490

DWELLING, ETC.
3119 I ST., Sacramento. Two-story frame and stucco dwelling and garage.
Owner—Sarah J. Briggs, 2827 J St., Sacramento.
Architect—None.
Contractor—P. J. O'Brien, 2215 13th St., Sacramento. $7200

DWELLING
1836 FORTY-EIGHTH ST., Sacramento. One-story 5-room dwelling.
Owner—R. Green, 706 J St., Sacramento
Architect—None.
Contractor—H. M. Earle, 2618 N St., Sacramento. $2800

REPAIRS
1200-1204 EIGHTH ST., Sacramento. Repair interior of restaurant and install store fixtures.
Owner—Kenongiors Bros., 1204 8th St.,
Architect—None.
Contractor—F. A. Holdner, 2301 J St., Sacramento. $600

FOUNDATION
200 FORTY-THIRD ST., Sacramento. Concrete foundation.
Owner—Geo. A. Christopher, Premises.
Architect—None.
Day's work. $500

ADDITION
801 M ST., Sacramento. Additional story to dwelling.
Owner—Lena Cazan, 803 M St., Sacramento.
Architect—None.
Contractor—F. A. Holdner, 2310 J St., Sacramento. $3500

DWELLING
2106 NINTH AVE., Sacramento. Two-room frame dwelling.
Owner—E. R. Pemberton, 3016 9th Ave., Sacramento.
Architect—None.
Day's work. $500

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
July 8, 1921—LOT 46, Golf Crest, Sacramento. Jas A Wold to Jas Omand .....July 5, 1921

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
July 8, 1921—LOTS 31 AND 32 BLK 29, Sub 9, North Sacramento. Arthur W Sweet vs Ellen Clark and Wm Lyons $322.15

BUILDING CONTRACTS

SANTA CLARA COUNTY

COTTAGE
VENDOME ADDITION, San Jose. All work for one-story frame cottage and garage.
Owner—C. S. Cianciarculo, 653 N-4th St., San Jose.
Architect—Charles McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—J. E. Perkins, 1652 E-Santa Clara Ct., San Jose.
Filed July 6, '21. Dated July 6, '21.
Foundation completed $1980
Frame up 1980
Inside rough plastering on.... 1980
Building completed 1980
Usual 35 days..... 1980
TOTAL COST, $9900
Bond, $4950. Sureties, A. L. Hubbard and Frank R. Cox. Limit, 100 working days from July 6. Forfeit, none. Plans and specifications filed.

COTOTAGE
SIXTEENTH ST. near Empire, San Jose. Five-room cottage.
Owner—Nellie Craft.
Architect—Wm. Myer, Blaney Ave., San Jose.
Contractor—Wm. Myer. $4000

STORE
E-SANTA CLARA & THIRTY-THIRD Sts., San Jose. Small store.
Owner—M. Indiveri, 51 N-Market St., San Jose.
Architect—None.
Day's work. $400

COTTAGE
N-TENTH ST. near St. James, San Jose Six-room cottage.
Owner—S. Di Cola, 598 N-11th St., San Jose.
Architect—None.
Day's work. $4500

COTTAGE
ELEVENTH ST. near William, San Jose. Five-room cottage.
Owner—Wm. Connell.
Architect—E. L. Slaght, 752 S-Ninth St., San Jose.
Contractor—E. L. Slaght. $3940

ALTERATIONS
SANTA CLARA AND TENTH STS., San Jose. Alterations.
Owner—R. C. Wendt.
Architect—None.
Contractor—E. L. Slaght, 752 S-Ninth St., San Jose. $960

TEMPORARY HOUSE
THIRTEENTH ST. near Rosa, San Jose. Temporary house.
Owner—Tony Plazzo, 939 N-12th St., San Jose.
Architect—None.
Day's work. $450

COTTAGE
153 N-FIFTH ST., (rear), San Jose. Three-room cottage.
Owner—F. R. Ash, 43 S-First St., San Jose.
Architect—None.
Contractor—Hugh Roberts. $975

COTTAGE
N-FOURTH ST. near Julian, San Jose. Five-room cottage.
Owner—Thos. Tonkin, 339 N-8th St., San Jose.
Architect—None.
Contractor—E. Delmaestro, 424 W-Julian St., San Jose. $2950

COTTAGE
S-FIFTH ST. near Margaret, San Jose. Five-room cottage.
Owner—V. Maggio, 425 Bird St., San Jose.
Architect—None.
Day's work. $3975

ALTERATIONS
SANTA CLARA AND THIRD STS., San Jose. Alterations.
Owner—I. O. O. F. Building Cptn., San Jose.
Architect—None.
Contractor—F. Thomy. $490

ADDITION
565 S-SEVENTH ST., San Jose. Addition.
Owner—Mrs. J. Roberts.
Architect—None.
Day's work. $475

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
July 12, 1921—LOS ALTOS. Augusta W Cook to whom it may concern.. .....July 7, 1921
July 12, 1921—LOTS 4 AND 5 BLK 2 Hester Park, San Jose. A K Burkett to whom it may concern. .....July 11, 1921
July 11, 1921—LOT 4 BLK 10, Hanchett Residence Park, San Jose. Elise P Alexander to whom it may concern.....July 9, 1921
July 9, 1921—SAN JOSE. R Berggren and Mrs. Esther Berggren to R Babcock.....June 21, 1921
July 6, 1921——LOT 8 BLK 1, San Jose Park Tract, San Jose. V Daniels to whom it may concern.. .....June 30, 1921
July 6, 1921—MT. VIEW. Madeline Albertsworth to Carl Lindholm and Edward Nelson.....June 22, 1921
July 6, 1921——LOT 13 Rhodes Court, San Jose. Shirley and Olga Tremaine to Wm H O'Neil..July 5, 1921

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

REMODEL
W NORTH ST., Stockton. Remodel present store front.
Owner—Henry Backes, 316 E. Weber St., Stockton.
Architect—None.
Day's Work. $1800

REMODEL
240 N SUTTER ST., Stockton. Remodel front of residence.
Owner — B. F. Walker, 427 S. Ophir, Stockton.
Architect—None.
Day's Work. $600

BUILDING
NE EL DORADO & OAK STS., Stockton Building.

wner—Dr. J. V. Craviotto & Angelo Farroggiaro, Commercial & Savings Bank Bldg., Stockton.
rchitect—None.
ontractor—O. H. Chain, Farmers & Merchants Bank Bldg., Stockton. $12,146
Limit 60 days. Dated June 27, 1921; ed June 27, 1921.

LACKBOARDS
ONROE SCHOOL, Stockton. Slate blackboards in school.
wner—Stockton Board of Education.
rchitect—None.
ontractor—E. O. Morris (as Morris Bros.), 20 N-El Dorado St., Stockton. $1,110.25
iled July 8, '21. Dated July 7, '21.

EPAIRS
IGH SCHOOL SITE., Stockton. Repair high school building.
wner—Stockton Board of Education.
rchitect—None.
ontractor — Gibson & Eichenberger. 244 S-San Joaquin St., Stockton. $2340
Filed July 8, '21. Dated July 7, '21

ALTERATIONS
WEST NORTH ST., Stockton. Remodel present store.
Owner—Henry Backes, 328 N-Grant St., Stockton.
Architect—None.
Day's work. $1800

ALTERATIONS
21 S-SUTTER ST., Stockton. Remodel store front.
Owner—Mary Conclin, Stockton.
Architect—None.
Day's work. $1000

RESIDENCE
EAST JEFFERSON ST., Stockton. Residence.
Owner—N. Bone.
Architect—None.
Day's work. $2000

LODGE BUILDING
MARKET AND SUTTER STS., Stockton. Five-story Class "A" lodge building.
Owner—Masonic Temple Association.
Architect—Carl Werner, Humboldt Bk. Bldg., San Francisco.
Contractor — MacDonald & Kahn, 130 Montgomery St., San Francisco. $260,000

ALTERATIONS
110 S-CENTER ST., Stockton. New store front.
Owner—Harriet E. and Amy Inglis, 22 W-Willow St., Stockton.
Architect—None.
Day's work. $600

SLEEPING PORCH, ETC.
1011 W-NORTH ST., Stockton. Sleeping porch and pergola.
Owner—J. A. Peoples.
Architect—None.
Day's work. $400

COMPLETION NOTICES

SAN MATEO COUNTY.

Recorded Accepted
July 13, 1921—LOT 20 BLK 3, Burlingame Park No. 2, Burlingame. Chas Leis to Chas Bell..July 1, 1921

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
July 11, 1921—LOT 1 AND W ½ Lot 3 Blk 32 W of Center St., Stockton. Simpson Gray Lumber Co, Cptn vs J E Liebee and Rosa A Liebee.. ....$82.18

A. E. LOVETT, Mgr. Established 1891

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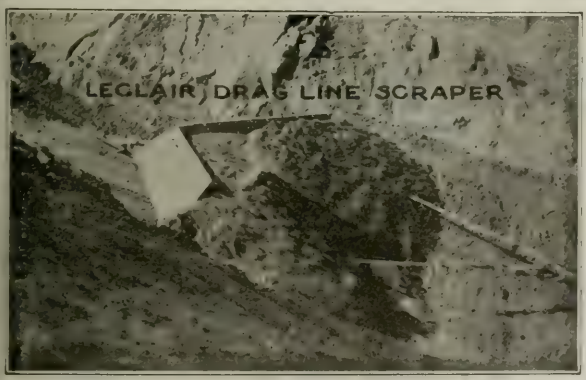

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1475 BROADWAY
NEW YORK CITY

July 11, 1921—LOTS 10, 11 AND 12 Blk 47, North Fair Oaks Addition to City of Stockton Edw. W Spulick vs J D Miller, J D Miller Realty Co and C Howard.....$32.50

BUILDING CONTRACTS

FRESNO COUNTY.

ADDITION
465 N FIRST ST., Fresno. Additions to dwelling.
Owner—Drenth & Drenth, 933 Van Ness, Fresno.
Architect—None.
Day's Work. $1000

OIL STATION
PARLIER, Fresno County. Oil station
Owner—Coast Petroleum Co.
Architect—None.
Contractor—D. F. Brose, Parlier. $1145
Limit, July 20. Filed July 8. Bond, $600. Securities, J. M. Enns & S. Brose.

SIGN
2000 MARIPOSA ST., Fresno. Sign.
Owner—Valley Bank.
Architect—None.
Contractor—Wm. Fahy Co., 1812 S-Van Ness St., Fresno. $850

DWELLING
941 BLACKSTONE AVE., Fresno. Dwelling and garage.
Owner—Felix Spano.
Architect—None.
Day's work. $2700

WAREHOUSE
SANTA FE AVE., Fresno. Warehouse, etc.
Owner—E .Y. Foley, 944 T St., Fresno.
Architect—None.
Contractor—John Diebert, 2165 Lotus St., Fresno. $12,000

DWELLING
1537 COLLEGE AVE., Fresno. Dwelling.
Owner—E. Ahlberg.
Architect—None.
Contractor—H. Lawrence, 2260 Webster St., Fresno. $4000

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
July 13, 1921—LOTS 21 AND 22 BLK 65, K. B. Heights, Fresno. Frederick F Sprow to whom it may concern.....July 12, 1921
July 7, 1921—LOTS 11 AND 12 BLK 6, Recreation Park, Fresno. Paul L De Wolf to whom it may concern .....July 6, 1921

LIENS FILED

FRESNO COUNTY.

Recorded Amount
July 13, 1921—E 155.25 FT. S 100 FT. of Lot 1, Wallpella Tract, Fresno. Chas Henderson vs Jacob E Bedig $108
July 12, 1921—LOT ON CITY ROAD in Kingsburg. Valley Lumber Co vs Estate Frank A Hanson and Bengston & Young.....$565
July 9, 1921—LOT 15 BLK 4, Kerman, Fresno. C S Pierce Lumber Co vs Stepaneda Philipchuk.....$242
July 9, 1921—LOTS 4 TO 7 BLK 37, Firebaugh, Fresno. Miller & Lux vs G Tambolini $229
July 9, 1921—LOTS 42 AND 43 BLK 1, Palmetto Tract, Fresno. Valley Lumber Co vs E E Bonner $626

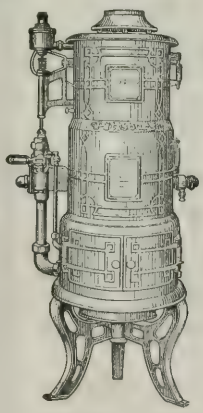
BUILDING CONTRACTS

SAN MATEO COUNTY.

GLASS WORK
CYPRESS LAWN CEMETERY. Furnish labor and tools, pay transportation from railroad to set all leaded glass on mausoleum.
Owner—Estate Daniel T. Murphy.
Architect—Bakewell & Brown, 251 Kearny St., San Francisco.
Contractor—T. H. Duffort (as United Glass Works), San Francisco.
Filed July 11, '21. Dated June 24, '21.
Completion $100
TOTAL COST, $100
Bond, $1000. Surety, United States Fidelity & Guarantee Co. Limit, 30 days. Forfeit, $1 plans and specifications filed.

BUNGALOW
N ½ LOT 5 BLK 11, Dingee Park, Redwood City. Furnish labor and

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET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Fine and Sanitary PLUMBING
Frank J. Klimm
PLUMBER
Steam and Hot Water Heating
221 Oak Street
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materials and construct one-story frame plastered exterior bungalow.
vner—Miss S E Connell, San Francisco.
chitect—None.
ntractor — Louis U. Pollard, Redwood City.
led July 11, '21. Dated July 8, '21.
Roof on $1353
Finished plaster on..... 1353
Completed 1353
Usual 35 days..... 1353
TOTAL COST, $5412
nd. $2706. Sureties, Z. T. Thorning d W P. Gray. Limit, 75 working ys. Forfeit, none. Plans and specifications filed.

SGUIDED OPPOSITION OF THE CALIFORNIA AUTOMOBILE CLUBS TO THE CALIFORNIA HIGHWAY COMMISSION

(Editorial in Engineering & Contracting, Chicago, July 6)

The automobile clubs of California ntinue their attacks against the ifornia Highway Commission, in te of the fact that their criticisms the design of the State road were uted by the report of the U. S. reau of Public Roads. It would ear to a disinterested spectator that automobile clubs are aiming at uring a new Highway Commission t will be subservient to their hes. If this is brought about it will a sorry day for California. Hitherto Highway Commission has not been servient to any class of people nor any section of the State. It has n entirely free from political inences and it should remain free.

f the California automobile clubs uld succeed in securing a Highway mmission of their own selection, h a commission would not be apt gnore the wishes of the automobile bs. Since those clubs are composed inly of residents in and near the ge cities, they would be apt to mand an excessive expenditure for ds that their members use. If the ifornia public questions the possity of such selfish action on the part the automobile clubs, the answer he question is already at hand, for vas these same clubs that recently eated the legislative bill to tax oline for the purpose of raising itional funds for road work. The as we recall it, was to be only 1 cent per gallon of "gas," but it would have secured about $2,000,000 annually for the State highway fund. In spite of the fact that the proposed tax was very moderate and entirely equitable, the automobile clubs were selfish enough to defeat it.

As we have said before in these columns, a gasoline tax is probably the most equitable form of tax for securing funds for highway maintenance. We predict that within five years there will be few states in America in which such a tax will not be levied. in spite of the selfish and short-sighted opposition of automobile clubs. We look, in fact, to see the California Legislature provide for a gasoline tax at its next session, but we also look for the continued opposition of the California automobile clubs, unless, in the meantime, their members have wisdom enough to depose the present short-sighted leaders of those clubs.

ARGENTINE TRADE NOTES

[Trade Commissioner George S. Brady, Buenos Aires, Apr. 25, 1921.]

American Make of Cars Used by Parana Tramways Co.

The new electric street car line in the city of Parana will be opened to traffic in May. The company has 7½ miles of line and will operate at first seven one-man cars of American make. Parana is the capital of the Province of Entre Rios, and has a population of about 38,000.

Work to be Continued on Railroad Bridge

The Director of the Argentine State Railways has proposed that work be continued on the new bridge over the Rio Dulce near the city of Santiago del Estero. The plans for the bridge are being prepared by the Federal Bureau of Roads and Bridges, and it is estimated that the structure will cost 2,500,000 paper pesos, or approximately $775,000 United States Currency at the present rate of exchange.

Estimate of Expenditures of Argentine State Railways

The estimate of expenditures submitted by the Administration of the Argentine State Railways for the year 1922 calls for a total of 35,670,000 paper pesos (about $11,057,700 at present rate of exchange). This is about 3,000,000 pesos more than the estimate for the current year. Of the total 9,760,000 paper pesos ($3,025,600 United States currency) is asked for renewal of equipment, and about 2,000,000 paper pesos ($620,000 United States currency) to cover increase in wages.

Combination of English Manufacturers to Sell Machinery

A new British machinery sales company has opened an office in Buenos Aires. This company is a combination of the foreign sales departments of several important English machinery manufacturers. The Review of the River Plate in commenting on the opening of the office of this company states that "Its inauguration here proves that British manufacturers intend to make a big bid for Latin American trade in these lines which has been largely in the hands of American and German competitors."

FACTS ABOUT ASBESTOS

The art of weaving the mineral fiber in asbestos, which is ordinarily indestructible, was rediscovered at a comparatively late period of civilization. Woven asbestos was used in the ancient pyre to preserve the royal ashes. Charlemagne is said to have had a tablecloth made of asbestos and to have cleaned it by throwing it into the fire, which consumed the dirt, thus illustrating in a spectacular manner one of the most valuable properties of this material.

The fiber of the best grade of asbestos is beautiful and silky and has great flexibility, elasticity, and tensile strength, according to the United States Geological Survey, Department of the Interior. It can be spun into thread so fine as to run 225 yards to the ounce, and as it is incombustible as well as a non-conductor of heat and electricity and resists the action of most ordinary acids, its field of use is large. The possible applications of asbestos are far from fully appreciated not only by the general public but by manufacturers who are in search of material for special uses to which asbestos may well be applied. Perhaps it is most generally used to make fireproof cloth for theater curtains. It has been used also for making firemen's clothing. Everywhere in cold countries it is extensively employed for covering furnaces, boilers, and pipes to prevent loss of heat. Asbestos is a good insulator.

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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General Competitive Bidding Practice Adds to Building Cost

By Noble Foster Hoggson, New York

Any one who has tried to figure out just what he should allow for a three-weeks' camping trip and then has taken the trip is in a fair position to get some conception of the problems of the estimating department of a building concern. It is not a job for anyone except the most experienced. For remember that unlike the camper who can easily enough make up for the things omitted in his final estimate, there is no such alternative for the building concern, especially if it be one which is operating under a contract which guarantees a predetermined cost. Such an estimate must be accurate and complete and made by men who know not only what things ought to cost, but what they will actually cost in the end.

The men who estimate for a big building which as yet is in the preliminary plan stage must be able to conceive of it as a finished structure; to give to the rough plan and its elevation the necessary third dimension—an idea of the mass of the building as standing on the plan.

There are various methods of getting at the quantities for an estimate which are in common usage. But the most accurate results are obtained when the estimate is made up by itemizing all the materials entering the construction. This is called "taking off the quantities." For example to determine the cost of the construction of 100 sq. ft. of floor it is possible to arrive at an approximation by using a figure representing the cost of a unit of that type of construction. But a more reliable estimate is made by determining the quantities of material which go into the component parts of the floor—forms for reinforcing, the reinforcement, the concrete, the cement finish, the furring, the plaster and the linoleum or other covering surface. These quantities multiplied by the prevailing unit cost of the material and added together give a reliable estimate and this method is typical of all estimators' work.

Under the ordinary building practice where an owner through his architect or engineer submits plans and specifications to different contractors, the quantity survey must be made by each bidder. Only one bidder can be successful and consequently the cost of the job to the owner is higher because of the wasteful duplication in the surveys. For someone must pay for the unsuccessful bidders' time. Thus the unsuccessful bidder on a job accounts for his losses on the jobs he fails to get usually by adding a percentage to each successful bid to cover the expense involved in unsuccessful ones.

The form of contract used by an organization which handles all phases of a building operation eliminates this unnecessary expense to the owner. For each owner who employs such a concern pays for the survey of his own building solely. Such a concern is its own contractor and never has occasion to take off quantities unless it has been awarded a contract for a building.

COAST INCORPORATIONS

Modern Construction Co., Pasadena, Cal.—Capital stock, $40,000; subscribed, $300. Directors: William M. Batterson, Philadelphia, Pa.; Cyril Bennett and George H. Curtis, Padadena, Cal. Attorneys, Waldo & Hinds, Pasadena, Cal.

Bildrite Construction Co., Los Angeles—Capital stock, $25,000; subscribed, $150. Directors: James C. Adkins, John Alberti and J. P. South, all of Los Angeles.

North Fork Development Co., North Bend, Wash.—Capital stock, $2,000,000. Directors: Fred W and Julia Ellis.

Central Lumber & Shipping Co., Seattle, Wash.—Capital stock, $5000. Directors: J. O. Eng, William H. Johansen, C. Holmsberg and William Johansen.

ARCHITECTS OF HIGH RANK

It is generally conceded that the Greco-Roman home was the most perfect type of the antique dwelling in plan, construction and decoration. It is rightfully considered more richly suggestive than any older house forms, such as those of Egypt and Assyria, but it is not well to infer from this that the latter types are unworthy of consideration, for they are confessedly marked by a simplicity, dignity and solidity of construction and a correct use of decoration which, according to authorities, give them a high place in building systems of the world.

In Egypt, as in all countries, we find that building forms were dictated by and adapted to the exigencies of climate. The constructive instinct, since the beginning of time, apparently, has been strong in the average man, and nowhere did it impress itself in simpler, more enduring and more majestic forms than in Egypt.

This is true, despite the fact that the Egyptians professed, in view of the brevity of life, to consider their dwellings as mere "wayside inns," and to regard it, therefore, a matter of comparative indifference how they were constructed. Notwithstanding this attitude as to earthly dwelling places, the rich and great lavished wealth upon their palaces and great houses. The streets of Thebes, Memphis and Heliopolis were bordered with houses, plain and blank of exterior, but embellished within with utmost luxury and magnificance.—Exchange.

TRAMWAYS FOR PEKING

Commercial Attache Julean Arnold reports that on May 5 an agreement was signed between the Peking municipality and the Banque Industrielle de Chine for the construction of tramways for the city of Peking. The agreement provides for a joint Chinese-French company with eleven directors, 6 government members (including the manager of the Banque Industrielle de Chine) and five members representing private shareholders. The chief engineer and assistant manager will be French, while the superintendent of works will be Chinese. The company is capitalized at $4,000,000 (Mexican), which is equal to about $2,000,000 in United States gold. Half of this sum is alloted to Chinese subscribers, and a few days after the stock was placed on the market in Peking it was oversubscribed to double the amount. According to the agreement, a commission of 2.5 per cent is granted the French bank as a commission for materials purchased from other than French sources. The company's concessions will probably call for from 15 to 25 miles of street railways. The chief engineer is expected to leave France in June or July and, after his arrival construction will be at once commenced. Americans interested in communicating with the company may address the Peking Tramway Company, Peking.

SEEK TO AVOID DELAYS IN HIGHWAY WORK

A committee has been appointed by the associated chambers of commerce of Imperial County to co-operate with committees of other organizations in an effort to devise some means whereby "endless litigation and delays may be avoided" in completion of the county's highway program under the $1,500,000 bond issue. This action was taken as a result of the recent decision of the superior court holding the contract of Peterson, Dillon & Patterson for construction of [illegible] of road to be invalid.

The Observer

A large timber deal in Oregon was consummated recently by Astoria men, when the Lake Timber Co. and the Tahkenitch Timber Co. disposed of their holdings in the Umpqua valley of Douglas county, Oregon, to the Crown-Williamette Co. for $1,535,295. The tract, principally spruce, comprised 700,000,000 feet of timber. It is one of the finest bodies of timber in the world.

Chas. A. Reed, a graduate of the University of California and assistant city engineer of Oakland, is seeking the position of Chief Engineer of the Oakdale Irrigation District to succeed Burton Smith, whose resignation is effective October 1. Another aspirant for the position is H. S. Lord, senior partner of the firm of Lord & Bishop, Engineers on Montana.

Sacramento is planning a municipal paving plant. Estimates of cost for installing such a plant are being compiled by City Manager Clyde L. Seavey and City Engineer Albert Givan

Graham & Mangin have opened the Burlingame Lumber Co. in Burlingame and will handle all lines of building materials.

J. F. Campbell of Colusa has been appointed a member of the State Reclamation Board to succeed Frank Freeman of Willows, who resigned to become attorney for the Board.

Herbert K. Brainerd, an employe of the City Engineer's office, San Francisco, has been appointed City Manager of San Rafael. Brainerd will receive $250 a month.

The U. S. Bureau of Labor Statistics gives the index number of building materials for May, 1921, as 202, a decline of one point from June and a decline of 37 points from January, 1921. At the peak of prices, April, 1920, the index number was 341. Building materials were lowest in the last half of 1915 when the index number was 93. This index is based on an average of 100 at the beginning of 1913.

Voting nine to three, the Chico Board of Freeholders decided to build the new city charter, to be submitted at an election, around the City Manager plan.

R. Justin Miller, executive officer of the State Immigration and Housing Commission, and attorney, has resigned, effective October 1. The resignation has been accepted, but no successor has been announced.

From present indications work on the proposed Proctor and Gamble plant in Richmond, Contra Costa County, will be started in the near future. James A. Coulter, superintendent of the corporation with offices in Kansas City, recently viewed the site of the proposed plant but refrained from commenting upon the company's construction plans.

Harry Arnold, formerly with Henry Cowell Lime & Cement Co. as salesman throughout Sonoma County, has resigned and will enter the contracting business, specializing in large building construction, bridge work, etc.

The Universal Crane Co., Elyria, Ohio, announces that the Allied Machinery Co., of America, 51 Chambers St., New York City, has been appointed foreign representative for its products in all countries except the United States and Canada. The Allied Machinery Co. has offices in all the large countries of the world.

Property owners in Oakdale, Stanislaus County, are slow to assist the Trustees in selecting a type of street pavement. Only eight property owners have replied to an inquiry sent out by the officials, the majority of these favoring concrete.

The largest sale of pulp timber made on northwestern national forests is announced by the forest service. The sale involves about 100,000,000 cubic feet of spruce, cedar and hemlock, about 60 miles north of Ketchikan, Alaska. The buyer is the Alaskan-American Paper Corporation of New York, which has applied for power right on Orchard lake and plans to erect pulp and paper mills there.

Edward Glass, a member of the architectural firm of Glass & Butner, San Francisco and Fresno, has been appointed state director of the Department of Housing, according to an announcement of the State Commission of Immigration and Housing. Architect Butner succeeds Dr. Carol Aronovici, at present city planning expert for the cities of Berkeley and Richmond and several other California cities.

The San Mateo County Supervisors have endorsed the movement of the Peninsula Bureau of Chambers of Commerce and Civic Organizations, tending toward the electrification of the local lines of the Southern Pacific railroad from San Francisco to San Jose.

Salt Lake City has been chosen for the annual convention of the Western States Reclamation Association to be held the last week in November. Governor E. W. Davis of Idaho, president of the Association, expects more than 500 reclamation enthusiasts from thirteen Western States.

Fire destroyed the box factory of Osborn Brothers at Croning, Tehama County. Damage estimated at $50,000. Insurance on plant and lumber is $33,800.

H. O. Von der Mehden has been appointed assistant to Chas. C. Newkirk, who is scheduled to be Berkeley City Garbage Engineer. Von der Mehden will receive $225 a month.

Triple sessions of the national lumber manufacturers' association, the West Coast Forest Products' Bureau and the West Coast Lumbermen's Association will be held in Tacoma July 28 and 29. Ernest Dolge, Tacoma lumberman, who is a trustee of the National Association, and Tacoma representative of the West Coast organization, expects at least 500 delegates to attend the meeting. Oregon will be heavily represented.

The polishing room of the Hammer-Bray plant in Oakland was destroyed by fire July 18. Damage estimated at $15,000.

(Continued on Page 5)

THE PUBLIC DUTY OF THE ENGINEER

In large cities free service is a thing almost unknown, but in moderate and small sized communities it frequently ranks near to an established institution. It is unbusinesslike, and so is open to severe criticism, but it carries the force inherent in customs, which can not be disregarded. The ambitious community with active Chambers of Commerce, Rotary Club, Kiwanis Club, and the like, demands—usually through some of the organizations named—that its leading citizens give of their time, their automobiles and often of their money for the public good. By his response to such demands is a man very largly rated as a public-spirited citizen or the reverse.

Lack of understanding by his fellows of what is involved in the solution of an engineering problem, failure to appreciate that a technical man is loath to express an offhand opinion, coupled occasionally with plain inconsiderateness, from time to time bring to the engineer requests for services which he cannot in justice to himself grant. However, a sense of public duty, a desire to please and an easy-going good nature are all common attributes among the profession and the younger member in particular is likely to yield to either direct or indirect appeals to them.

In a community in which free public service is customary, the engineer should do "his bit" like any good citizen, but he will do well also to observe that the merchant and the banker do not allow such service to interfere with any considerable proportion of their incomes. The engineer may wish to give as much time to public work as he sees his business griends giving; but he must not forget that while a well established commercial business works in part without the direct service of its head, his own stock in trade consists almost entirely of services which he himself renders.

In refusing to be led into an extravagant disposal of his time, the engineer merely will be following sound business principles. Further, if he will to a reasonable extent insist that the public work he does shall be of a character to further the interests of his profession he will, we believe, be rendering a maximum of service.—Engineering & Contracting.

CANADIAN TRADE AND ECONOMIC NOTES

[Prepared by the European Division, Bureau of Foreign and Domestic Commerce]

Central Alberta Irrigation Scheme

In order to offset the influence of frequent droughts in central and southern Alberta, a dam is planned to be constructed at a point on the Red Deer River about equidistant from Red Deer and Lacombe. The dam will measure 103 feet from the bottom of the caissons and will require the labor of 500 men for a period of probably five years. A supply of water will be assured by placing a second dam across the North Saskatchewan River, thereby causing water to be backed into the Red River through the Clearwater and tributary streams. A canal will connect the system with Buffalo Lake, thereby causing an increase of 10 feet in its depth, and permitting the use of the lake as a reservoir for the irrigation district embracing the eastern part of Alberta and the western part of Saskatchewan. Consul Samuel C. Reat, of Calgary, states that Alberta has an agricultural area of 160,000,000 acres.

THE OBSERVER
(Continued from Page 4)

"Build Now." It is a command, a request and a plea, all in one, that will be hurled at the people of Fresno in a fast and furious campaign to be inaugurated at once by the businessmen of that city who believe that now is the logical time for Fresnoans to build their own homes. The Fresno Commercial Club has appointed a committee to secure subscriptions for newspaper advertising to show the public facts and figures that materials and labor have been reduced in cost and that homes can now be economically built at a great saving over the prices they have cost not many months ago.

Establishment of comfort stations along California's highways is the plan of Dr. Walter M. Dickie, secretary of the State Board of Health. He will ask the automobile associations to get behind the scheme.

City Manager Clyde L. Seavey and City Engineer Albert Givan of Sacramento are drafting a new building ordinance. Revisions to the old law will cover all points of safety and regulations against fire hazard.

The Sugar Pine Lumber Co., with a capital stock of $2,000,000, has filed articles of incorporation with the San Francisco county clerk. Directors are: Arthur Fleming, Pasadena; Elmer H. Cox, San Francisco; R. C. Gillis, Los Angeles; A. W. Heavenrich, Madera, and B. Binford, San Francisco.

The Southern Promotion Association, through Andrew Gallagher, former San Francisco supervisor, its industrial director, has appealed to the Board of Supervisors to permit the Western Pacific Railroad to use the tracks of the defunct Ocean Shore Railroad from Islais Creek to Army and Eighteenth streets. The request is made in behalf of fifteen industrial firms along Potrero avenue. The Western Pacific has purchased the Ocean Shore properties.

A trust deed has been filed at the recorder's office in Fresno by W. Flanders Setchel and his wife to W. E. Wilcox as trustee for the California Pine Box Distributors, and to Ward A. Dwight of the Dwight Lumber Co. of San Francisco for an indebtedness for $171,589.89. The deed is a renewal of a deed for security given in a trust document October 22.

W. B. Roselip has been appointed City Engineer of San Luis Obispo.

Under the guidance of Geo. A. Applegarth, president of the San Francisco chapter of the American Institute of Architects, steps are being taken to form the architectural group for the B-B campaign's advertising fund.

SACRAMENTO COUNTY ENGINEER TO FACE CHARGES

Drury Butler, Sacramento County Engineer, on August 2 will face charges of incompetency, inefficiency and violation of rules of his office. The hearing will be held by the County Supervisors. Butler has been charged with doing private work in which he is said to have used county automobiles, county materials and county employees. The charges were made in a petition signed by Fred F. Gage and Maurice Levitt of Elk Grove.

The manufacture of building blocks, which was suspended during the war, has been restarted in France. The materials used are sand, lime and cement, with a base of crushed coal clinkers.

Development of Hydro-Electric Energy in Pacific and Mountain States Exceeds Gold Output

The value of the electrical energy produced by hydro-electric power plants in the Mountain and Pacific States during 1920 was greater than that of the gold produced in those States in the same period, said Alexander T. Vogelsang, former Assistant Secretary of the Interior, in a statement issued by him today. Figures obtained by Mr. Vogelsang from the Director of the Geological Survey show that the total value of the power produced by water power in the Mountain and Pacific States was about $79,000,000, which is nearly 2.2 times the value of the gold produced in the same States in 1920.

The kilowatt-hour production by water power by public utility plants in 1920, as shown by the Geological Survey report, was as follows:

Montana	1,118,905,000
Idaho	588,978,000
Wyoming	2,271,000
Colorado	184,674,000
New Mexico	828,000
Arizona	106,527,000
Utah	212,243,000
Nevada	32,600,000
Washington	1,154,135,000
Oregon	370,867,000
California	2,568,541,000
Total	6,340,659,000

As it is estimated that about 80 per cent of the developed water power in these States is in public utility plants, the total production of electrical energy from water power would amount to about 7,925,000,000 kilowatt-hours.

During the same period the gold production was as follows:

Montana	$ 1,839,200
Idaho	160,000
Wyoming	200
Colorado	7,613,400
New Mexico	463,400
Arizona	4,943,000
Utah	2,076,400
Nevada	3,554,900
Washington	148,800
Oregon	965,100
California	14,305,300
Total	$36,574,500

At the rate of one per cent per kilowatt-hour the production of electrical energy from water power is thus shown to have been worth $79,000,000, as against the estimated gold production for the same States during the year of $36,000,000. Thus the power value in these States was a little more than twice the value of the gold produced.

When power production in these States is properly encouraged and fully developed, the annual return from this source will of course far exceed these figures. This value comes from the same mountain systems which produce gold, and unlike the gold, will not be exhausted, but will continue until the laws of nature are themselves repealed. Other and more pointed illustrations may doubtless also be made.

Mr. Vogelsang reviewed the operation of the Public Utilities Act in California and the benefits of regulation under that act. Illustrating the necessity for a better understanding of the relation of the public utilities to the people he instanced the investigation recently made in California by the Inman Committee of the Legislature. In this conection he said:

"The public is fair when it understands, and when it does not understand it is generally viciously unfair or indifferent to the attacks of those who seem willing to make sacrifice of legitimate investment and essential public good for political reasons. Demagoguery is nearly always the child of ignorance and it has had economical importance from the dawn of history. The only cure is truth, light and education. Therefore it behoves every developer of electric energy (in paraphrase of the gospel) to fully realize that 'You are in fact the lighters of the world, and you should let your light so shine before men that many may see your good works and glorify the power which is electricity'. Then those who come to destroy the industry or the developer will aid in the fulfillment of your enterprises. Much has been done in spreading the gospel of power, but infinitely more remains to be accomplished before understanding becomes the rule instead of the exception among the American people.

"The basic trouble is that in times past before the people realized their power of regulation and their means of protection, most exploiters of natural resources sowed the seed of contempt of public right and they now, though chastened in spirit and desirous only of justice and fair dealing, are reaping the whirlwind of popular wrath. This can be cured, but it requires time and it requires publicity.

Referring to the report of the Inman Committee, Mr. Vogelsang says the result of the investigation was what fishermen call "a dry haul" and the committee "unenlightened and prejudiced in the beginning proved to be honest in impluse and it did not hesitate or quibble in its forthright and unanimous report to the Legislature," in which the Committee said: "And in conclusion permit us to call attention to the fact that the public utilities are as necessary parts of our future economic development as any other agency; that they are entitled to fair treatment at the hands of the people and to a fair and just return upon the money invested upon properties used and useful in the public service; that the time is rapidly approaching when our fuel oil supply will be exhausted, or so nearly so as to become prohibitive in cost, and that the development of the State depends largely upon hydro-electric energy."

Mr. Vogelsang in his statement adds:

"And finally the committee earnestly commends this great law, the Public Utilities Act, to the [illegible] of the people. It has worked well and is working well today. Strengthen it rather than weaken it. During times such as have just passed have faith in your commission that it will be a buffer between you and the utilities so that the people on one hand will receive good service at a fair price and that on the other the utilities will receive such service at the [illegible] price that will [illegible] come to this State and help develop our wonderful resources."

ROADS BUILT BY FEDERAL AID DIVIDED INTO THREE CLASSES

The United States Bureau of Public Roads divides the roads built under the Federal Aid Act into three classes, as follows:

Class 1. Earth, Sand-Clay, Shell, Gravel, Gravel, surface treated.

Class 2. Waterbound Macadam, Waterbound Macadam, surface treated, Bituminous Macadam.

Class 3. Rock Asphalt, Bituminous Concrete, Cement Concrete, Brick, Sheet Asphalt.

Figures on approved Federal Aid projects under construction and completed up to March 1, 1921, involve 22,-032 miles of road. The following table shows the percentage of the total cost as distributed among the various types:

	Per Cent
Concrete, plain and reinforced	38.464
Gravel, plain and surface treated	19.823
Earth	8.685
Bituminous Macadam	6.346
Bridges	6.018
Bituminous Concrete (practically all of which is on concrete base)	5.548
Brick	4.799
Miscellaneous	4.040
Sand Clay	3.713
Macadam, waterbound and surface treated	2.564
Total	100.000

From the beginning of Federal Aid to June 30, 1920, the mileage involved is:

Class 1	11,387 miles
Class 2	1,153 "
Class 3	4,254 "
Total	16,794 miles

Out of a total of 4,254 miles of road in Class 3, 3,308 miles, or 77.6% were of Portland cement concrete.

CALIFORNIA HIGHWAY ASSOCIATION ORGANIZED

The California Highway Association has been organized and the following named officers: President, Edward Fletcher of San Diego; vice-presidents, Richard J. Welch of San Francisco and Jonathan Dodge of Los Angeles; secretary-treasurer, J. C. Havely of Sacramento.

The purpose of the Board is to promote more and better highways, and to study all questions relating to highways and streets. The memberships will include those engaged in highway construction, members of the Board of Supervisors, County and State Highway Commissioners, City Officials and Government State and County Engineers.

NEW BUILDING MATERIAL

An all-mineral substitute for wood, composed of Portland cement, sand and asbestos fiber, has been found to serve excellently as a base for walls, floors, etc., as, being cellular in structure, it takes nails easily and holds them firmly. The new material, says Popular Mechanics Magazine, has the advantages over wood of being fire and warpproof. This latter quality makes it especially suitable for use as a subflooring when composition floors are used, as cracking of the latter is said to be eliminated. As it has the property of holding nails well, interior wood trimming and shingles may be nailed directly to the new base material. It is also said to possess good insulating qualities.

A life is lost in the shop, a case is lost in court, a ship goes down at sea, a train is derailed, an auto turns turtle —all for the want of a little care.

Lack of Funds Hinders State's Power Development

An admission that California development is being hindered through the lack of funds available for the Federal Power Commission in making power project investigations is made in the commission's first annual report made public recently.

Not only is not enough money appropriated to carry on the work but not all the appropriations made can be used by the commission due to a lack of authorization. California is affected more than any State in the Union owing to the fact that it is the State where the greatest hydro-electric development is being centered. Dozens of applications for power permits are not being acted on and industrial wheels stalled, because the commission hasn't the funds to make the requisite investigations.

The commission's statement, in part, reads: Up to June 30, 1921, there had been filed with the Commission 229 applications aggregating 14,675,000 horsepower and affecting 33 States, the District of Columbia, and Alaska. This amount is 75 percent greater than the entire water-power development of the United States today. It is 50 percent greater than the combined water-power resources of Norway and Sweden and considerably in excess of the combined resources of France and Italy. It is five times greater than the aggregate of all applications filed with the Federal Government in the preceding 15 years. The projects applied for vary in size from less than 100 horsepower up to the three million horsepower scheme of the Southern California Edison Company on Colorado River.

In creating the Commission and putting upon it duties many times greater than had been exercised previously by any of the Executive Departments in connection with water-power development, Congress gave the Commission no personnel to perform its work other than its Executive Secretary and Engineer Officer. In order to function at all it has been necessary for the Commission to borrow from the several Departments personnel for its Washington office. It has been able to secure from this source 8 engineers, 2 attorneys, 2 accountants, 2 draftsmen and 16 clerks, a force inadequate to handle expeditiously the various applications presented, even after the omission of all other duties placed upon the Commission by the Act. The Commission has no field force, loaned or otherwise but must rely for examinations and reports upon applications, and for the conduct of hearings upon the field officers of the several Departments-men who are primarily responsible for their own departmental duties. Even the limited appropriations made by Congress for the work of the Commission are being returned to the Treasury unused because Congress, after making these appropriations failed to grant the legislative authority to use them.

The first license was issued on March 1, to the Niagara Falls Power Company. Between that date and July 1, final action has been taken on 47 aplications, 13 preliminary permits have been issued, involving 1,075,000 horsepower, and 15 licenses, involving 757,000 primary horsepower and 460,-000 secondary horsepower, or a total of 1,217,000 horsepower, making an aggregate of 28 projects, involving 2,-292,000 horsepower, or as much as was issued by all of the Executive Departments during the 10 years preceding the passage of the Federal Water Power Act. There were also pending on June 30 for final action at the next meeting of the Commission 16 applications, involving 190,000 horse-power.

The commission has been unable to make any of the valuations required by the Act in cases of issuance of licenses to plants already in operation —an ommission that is likely to prove a source of future embarrassment. So long as it is unable, on account of legislative restrictions, to use more than a fraction of its small appropriation, it can not hope to perform to its own satisfaction the duties placed upon it, or to meet public expectation. It realizes, however, the necessity for additional power development and the importance of granting authority to every project that gives promise of early construction; and it is directing all its efforts to this end. The chief present defect in the Act is its failure to provide adequate means for its expeditions administrations.

PRODUCTION OF IRON AND STEEL IN CANADA

[Consul General John G. Foster, Ottawa, Ontario, June 18, 1921.]

The Dominion Bureau of Statistics, in its February report on the production of iron and steel in Canada, shows an increased production of steel ingots and castings for that month over the output of the preceding month, the production reaching a total of 58,537 long tons, as compared with 40,058 tons in January. This is considerably below the average of 1920, but is in excess of December figures.

Production of pig iron was higher by over 6,000 tons than for the previous month, the figures for February showing a total of 57,711 long tons of pig iron produced, exclusive of spiegeleisen and ferroalloys. Blast furnaces were operated during the month at Sault Ste. Marie, Hamilton, and, Port Colbourne, and at Sydney, Cape Breton. There were at the end of the month 6 active and 14 idle blast furnaces.

The total production of pig iron in Canada during the calender year 1917 was 1,044,000 long tons; in 1918 1,607,000 tons; in 1919, 819,000 tons; in 1920, 974,-000 tons; and for the first two months of 1921 the production was 99,000 long tons. Steel ingots and castings produced in Canada aggregated, for the year 1917, 1,558,000 long tons; 1918, 1,681,000 tons; 1919, 924,000 tons; 1920, 1,109,000 tons, and for the first two months of 1921, 99,000 tons.

LOW GUARD RAIL FOR NEVADA ROADS

The Nevada State Highway Department, according to a recent Service Bulletin of the Iowa Highway Commission, has adopted as standard a guard rail in which the rail is placed on a level with the hub of the average motor vehicle. Split cedar posts 4½ ft. long are set 2½ ft. in the ground. The hub rail is 2x8 pine nailed to the post. The top edge is flush with the top of post and a 2x6 pine cap is nailed on top.

Philadelphia is expecting to pave 60 miles of streets this year. For this work $1,000,000 will be paid out of current revenues, and $5,000,000 obtained from a loan.

IDEAL SYSTEM OF VENTILATION SOUGHT FOR HIGHWAY TUBES

Searching for an ideal system of ventilation for the highway tubes which are to be driven under the Hudson River between New York and New Jersey, engineers of the Pittsburgh station of the United States Bureau of Mines are preparing for the most elaborate experiments ever conducted along this line.

Workmen are now engaged in building a tube 400 feet long by 16 feet high and nine feet wide. Through this automobiles will be driven, under conditions suggested by the New York-New Jersey tunnels. The engineers will then determine the best means of carrying off the exhaust gasses from the machines, and embody them in a ventilating system that will protect the lives of persons traveling the tubes. The experiments will be conducted under the direction of J. W. Paul of the Pittsburgh bureau some time during the latter part of August.

Bureau engineers long ago determined by exhaustive tests the nature of the gasses from motor cars and pointed out the danger to persons who allowed motors to run in garages insufficiently ventilated. The same problem is presented by the traffic tubes, which, if calculations are right, will be pretty well filled with motor cars every hour of the day and night. To carry off these gasses and preserve the lives of persons in the tubes will be the object of the experiments.

The Pittsburgh work is a continuation of problems somewhat similarly taken up at the University of Illinois, which are nearing completion.

LUMBERMEN CLAIM SHINGLES ARE BARRED

Petitions to suspend by referendum the recently enacted State housing act are being circulated by lumber interests throughout the State because of a construction of the law which apparently prohibits the use of shingles on the roofs of buildings, representatives of these interests announced.

Between 30,000 and 40,000 names are necessary to make the petition effective.

While shingles on roofs are not directly barred by law, it was stated, certain sections of the law, when placed together, act to bar their use.

The law in question is Senate Bill 288, introduced in the last legislature by Senator Lester G. Burnett of San Francisco. Burnett said at the time it had the approval of the State Immigration and Housing Commission.

APARTMENTS REPLACING OLD AMERICAN HOMES

The old-fashioned American home—the single dwelling with a front and back yard—is giving way even in the smaller cities of the United States to the modern apartment house. This is revealed in a report on 1920 building operations issued by the United States Chamber of Commerce. The report, compiled in conjunction with the Federal Bureau of Labor Statistics, shows that last year 70 per cent of the families provided with new homes got one-family dwellings; 11 per cent, two-family dwellings, and 19 per cent a multi-family dwelling. The same figures show that the proportion of multi-family dwellings provided last year was largest in the small cities.

The Oklahoma Agricultural and Mechanical College at Stillwater, Okla., has established a 1-year course in highway engineering. A short course will be held each year during the winter months.

SMALL WATER PLANT OPERATOR AS A SCIENTIST

By Abel Wolman
Maryland State Department of Health

A little thought will make clear that all plant operators may be divided into three classes—the first, who feel that they are scientific but hesitate to present their observations because of inherent modesty; the second, the practical, who observe but do not report because of a supposed lack of scientific language, and the third, who neither observe nor report. This last class is, I hope, numerically small and need not concern us. The first two classes have much in common, both as to method and result. It is to these two classes that one must look for real development in water treatment, since they are the first to encounter new problems and the first to try out new solutions. A scientific hypothesis is useless if it is not in accord with the facts everywhere. A scientific solution is worthless if it does not solve our problems. Both the hypothesis and the solution must be tested by the plant operator. He is an important factor in real scientific progress. How important, he has evidently failed to realize, if we judge from the infrequency with which he takes part in discussions of theory and hypothesis.

When we speak of a problem in water treatment, we are prone to emphasize its simplicity rather than its complexity. We find it easy to fall into the error of considering "water" as a definite thing, a simple compound, instead of regarding it always as a most variable substance, delicately fluctuating with atmospheric, geographic and geologic influences. When water is considered in his sense, each water filtration plant becomes a laboratory, a scientific structure, a research bureau, where facts and opinions may and should be tested out upon the peculiar and rare fluid there being handled. When a new hypothesis is announced, each plant operator has the opportunity to make a real contribution to science and to practice by determining if it tallies with the phenomena experienced with his own rarity, the little stream used in his plant. Likewise, he has the continual advantage of learning whether older theories account for the present observations and whether older methods are adequate. Each small plant stands, therefore, in the position of a special research laboratory upon the director of which there has been placed the duty of watching and interviewing a continuous series of experiments performed under conditions common to no other laboratory. I emphasize the distinctiveness of each plant, since even on the same stream, a few miles apart, the water has undergone profound change which converts it into a new substance, with new, though possibly slightly varied, attributes.

If we accept the concept of each plant as a true specialized investigative bureau and of water as a variable and not a constant substance, what operator has the right to say that he is not or should not be a scientific observer? His duty, whether he likes it or not, has been enlarged from that of valve-operator to investigator. His responsibility is greater than to his immediate community; it is national and even international. For the plant operator is now research worker, and the fruits of research are limited only by the infinite.

It is clear from the above discussion that in each plant, no matter how small, no matter how crude, phenomena of great importance and of peculiar significance are occurring and recurring. They are not always observed and still less often are they reported. It is the special plea of this paper today that this condition be remedied, for with its remedy, perhaps, many of both scientists and practical men will avoid voyages "bound nowhere, under full sail."

EXTENSIVE STREET IMPROVEMENTS AT FRESNO

The city of Fresno now has under way, either under actual construction or plans ordered, a paving program aggregating $392,000, according to figures compiled by Chief Engineer Rantsma of the Department of Public Works. Of this total $82,000 represents work for which plans have been ordered.

In all specifications where concrete base is used the Department of Public Works is specifying 5-in. base against a former policy of 4-in. base, and wherever concrete is used the base now is five inches with an inch and one-half wearing surface. Where black base is specified the city is laying a 5½-in. pavement, with 3½-in. base and 2-in. wearing surface. The old specification commonly used was a thickness of five inches for black base pavement, against five and one-half inches now.

PROGRESS REPORTED ON FRESNO HIGHWAYS

County Surveyor Jensen of Fresno county, in a report submitted to the Supervisors July 1, notes that contracts for 60.24 miles of highway paved under the $1,000,000 county bond issue have been accepted. Pavement laid on 14 [illegible] uncompleted contracts aggregates 38.15 miles, making a total of 98.39 miles completed pavement. Seventeen bridge contracts have been completed and 4 are uncompleted.

CONCRETE PAVING [illegible]

Endorsement of concrete for a 27,000 square yard paving project in the Standard Oil Company [illegible] City of Carlinville, Ill., has been made by Standard Oil officials. As well as requesting immediate action of the city officials on the project, the company has asked that the specifications of the Portland Cement Association be adopted.

CALIFORNIA INVENTIONS

The following new patents were issued at the patent office [illegible] ton recently to California inventors:

Harry Benson, Alameda, sliding door lock; E. L. Cardwell, San [illegible] blower; G. E. Hu[illegible] trolley [illegible]; E. J. [illegible] cisco, upholstering machine; J. O. Rollins, Fresno, grinding machine; H. H. Tracy, San Francisco, steam separator.

In [illegible] eighteen feet wide, are constructed at the rate of a mile a week.

Building News Section

APARTMENT HOUSES

Segregated Figures to be Taken in About a Week.
ALTERATIONS Cost, $6500
OAKLAND, Cal. 663 11th St.
Alter a 2-story frame residence into 6 3-room apts.
Owner—Mrs. Josephine White.
Architect—Miller & Warnecke, Perry Bldg., Oakland.

Working Drawings Being Prepared—Ready for Figures About Aug. 15.
APARTMENTS Cost, $73,000
SAN FRANCISCO. Vicinity of Larkin & Geary Sts.
Four-story & basement 67-room apt. house.
Owner—Withheld.
Architect — Smith O'Brien, Bankers Investment Bldg., S. F.

To be Done by Day's Work & Sub-Contracts.
APARTMENTS Cost, $80,000
LOS ANGELES, Cal. NW Hoover St. & Sunset Place.
Four-story & basement Class C brick apt. house (106 rooms, 46 apts)
Owner—Fred Siegel, 414 Chapman Bldg., L. A.
Architect—L. A. Smith, 415 S. Western Ave., L. A.

Contract Awarded.
APARTMENTS Cost, $——
SAN FRANCISCO. S Bush Street W Leavenworth Street.
Four-story Class C apartment house (12 3-room apts.)
Owner—John O. Titlow.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Furnish and erect metal lumber, steel joists and connections and Ribplex lath, etc., awarded to Berger Mfg. Co., 1120 Mission St., San Francisco at $10,000.
Figures will be taken shortly on the balance of the work.

To Be Done by Day's Work and Sub-Contracts
APARTMENTS Cost, $110,000
SAN FRANCISCO. NE Sacramento and Jones Sts.
Five-story reinforced concrete apartments (8 4-room apts.)
Owner—J Dougherty.
Architect—J. F. Dunn, Phelan Bldg., San Francisco.
The concrete work has been awarded to Richard J. H. Forbes, Monadnock Bldg., and the steel to Gunn, Carle & Co., 444 Market St.

Plans Prepared
APARTMENT HOUSE Cost, $20,000
N. W. LAKE PARK & WESLEY AVES. Oakland, Cal. Two-story frame apartment house (26 rooms)
Owner—H. R. Hewelcke. 216 Pine St., San Francisco.
Architect—C. A. Tantau, 251 Kearny St., San Francisco, Cal.

Plans Complete
APARTMENT HOUSE Cost, $13,050
S. WICKSON AVE., 125 E. WALKER Ave., Oakland, Cal. Two-story frame 12-room apartment house and garage.
Owner—Louise F. Kingsland, 1528 Franklin St., Oakland, Cal.
Architect—Not Given.

Contract Awarded.
APARTMENTS Cost, $18,000
OAKLAND, Alameda Co., Cal. E Lakeshore Ave. 50 N Santa Ray Ave.
Two-story 19-room frame apartments.
Owner—Barnett & Mayerstein, Oakland
Architect—Not Given.
Contractor—Harry Schwalm, Hayward.

Permit Applied For.
APARTMENTS Cost, $25,000
OAKLAND. SW Grand and Jean Sts.
Three-story frame 25-room apartments
Owner—Dr. J. J. Moyer, 690 Lakeshore Ave., Oakland.
Architect—Not Given.

Sub-Figures Being Taken
APT. HOUSE Cost, $35,000
S JACKSON 137-6 E Spruce St., San Francisco. Three-story and basement frame apartment house (5 7-room apts. with basement garage).
Owner—G. Benson.
Architect—J. F. Dunn, Phelan Bldg.

Contract Awarded
APT. HOUSE. Cost, $25,000
SW ELMWOOD & GRAND AVES, Oakland. Two-story frame 24-room apartment house.
Owner—J. Edwards, 1836 9th Ave., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.

BONDS

SACRAMENTO, Cal.—State Highway bonds totaling $4,878,000 purchased by San Francisco bank paying a premium of $19,550.

VISALIA, Tulare Co., Cal.—An election will be held August 8 in Locust Grove School District to decide the question of issuing and selling bonds of $12,000 to finance construction of a new school building. Trustees of the districe are C. E. Pennebaker, J. W. McCutcheon and Geo. P. Hedgpeth.

INDEPENDENCE, Inyo Co., Cal. — Bonds of $35,000 voted at a recent election in Owens Valley Union High School District; proceeds of the sale of the bonds will finance construction of a new high school on a site yet to be selected.

SAN JOSE, Santa Clara Co., Cal.—Supervisors reject lone bid received for purchase of $25,000 bond issue of San Isidro School District and bids ordered re-advertised up to August 1. Proceeds of the sale are to finance construction of a new school.

FRESNO, Fresno Co., Cal.—Offer of a Los Angeles bank to take over $36,000 and $48,000 bond issue of San Joaquin and Malaga School districts, respectively, taken under advisement by Supervisors. Proceeds of the sale in each instance to finance construction of a school building.

SANTA CRUZ, Santa Cruz Co., Cal.—Until August 1 bids will be received by Supervisors, H. E. Miller, Clerk, for purchase of $46,000 bond issue of Soquel Union School District; proceeds of sale to finance construction of a new school building. Plans are being prepared by Architect W. H. Weeks, 75 Post St., San Francisco.

MADERA, Madera Co., Cal.—Until August 1 bids will be received by City Trustees for purchase of $20,000 bond issue, voted to finance construction of a city hall and fire house, plans for which are being prepared by Architects Swartz and Ryland, Rowell Bldg., Fresno.

SANTA ANA, Orange Co., Cal.—No bids were received by Newport Heights Irrigation District for the purchase of $160,000 bonds voted to construct a water distributing system. Application has been made to state engineer for permission to offer bonds to contractors to build the system.

MERCED, Merced Co., Cal.—Supervisors sell $130,000 bond issue of Merced School District, $6000 issue of Rundel District, and $40,000 issue of Gustine District. Proceeds of the sale in each case to finance school improvements.
Norman R. Coulter, 46 Kearny St., San Francisco, is the architect for the Merced School District.

WILLOWS, Glenn Co., Cal.—August 9 date set to vote bonds of $16,000 to purchase new motor fire engine.

CHURCHES

Plans Being Figured—Bids Close Aug. 3, 7 p. m.
CHURCH Cost, $——
TERRA BELLA, Tulare Co., Cal.
Construction of church bldg.
Owner—First Presbyterian Church of Terra Bella, W. H. McTier, Chairman of Building Committee, Terra Bella, Cal.
Architectural Engineer — Claire C. Morris, 706 Morton St., Porterville.
Plans may be had from the architect at Porterville.

Figures To Be Taken Next Week
CHURCH Cost $60,000
VALLEJO, Solano Co., Cal. Carolina and Sonoma Sts.
Brick church building.
Owner—First Baptist Church of Vallejo.
Architect—E. C. Hemmings, Oschner Bldg., Sacramento, and W. A. Jones of Vallejo, associated.
Note—Figures will be taken for a general contract.

Plans To Be Prepared
ADDITION Cost, $20,000
ALAMEDA. NE Santa Clara & Chestnut. Two-story and basement frame addition to church (Sunday School rooms, assembly hall, etc.)
Owner—First Presbyterian Church, premises.
Architect—Henry H. Meyers, Kohl Bldg., S. F.

Plans Being Figured.
CHURCH Cost, $100,000
SANTA ANA, Orange Co., Cal.
Brick church.
Owner — Roman Catholic Archbishop (Father Eummelsen, Pastor).
Architect—A. C. Martin, 430 Higgins Bldg., Los Angeles.

RENO, Nev.—Until July 25 bids will be received by A. E. Asher, Chairman of Building Committee of Methodist Episcopal Church, P. O. Box 162, Reno,

Nev., for construction of parsonage. Plans obtainable from Rev. F. D. Lawyer, 120 Mill St., Reno.

Figures to be Taken Shortly.
MISSION Cost, $——
SACRAMENTO, Cal.
One-story brick Mission.
Owner—Methodist Chinese Mission.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.

Plans Being Figured.
CHURCH Cost, $——
DUNSMUIR, Siskiyou Co., Cal.
One-story frame church.
Owner—Methodist Church.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.

FACTORIES & WAREHOUSES

Plans Being Figured.
ALTERATIONS Cost, $10,000
SAN FRANCISCO. SW Pacific & Davis
Alter 6-story Class C warehouse (new partitions, composition floors, etc., for factory)
Owner—Withheld.
Architect — Benj. G. McDougall, 381 Bush St., S. F.

Plans to be Prepared.
FACTORY Cost, $100,000
IRVINGTON, Alameda Co., Cal.
Fireproof factory.
Owner—Reid Bros., 91 Drumm St., S. F.
Architect—Not given.

Plans to be Prepared.
FACTORY Cost, $——
OAKLAND, Alameda Co., Cal. Location Not Selected.
One-story fireproof factory.
Owner—California Car Co., 496 12th St., Oakland.
Engineer—C. R. Manbert, 496 12th St., Oakland.

Plans Being Prepared.
FACTORY BLDGS. Cost, $——
LONG BEACH, Los Angeles Co., Calif.
Group of brick and steel factory buildings, 410x305.
Owner—Golden State Woolen Mills.
Architect & Contractor — The Austin Co., 398 Pacific Electric Bldg., Los Angeles.

BAKERSFIELD, Kern Co., Cal.—Extensive alterations and additions will be made to the Central California Ice plant in North Chester Ave., according to an announcement of M. H. Robbins, vice-president and manager. Additional machinery will be installed. Work will be done under the supervision of the company's chief engineer, G. A Hornung, at Bakersfield.

FIREHOUSES AND JAILS

SAN FRANCISCO—Board of Public Works instructs City Architect John Reid, Jr., to prepare plans and specifications for new fire drill tower.

Plans Being Figured—Bids Close Aug. 4, 3 P. M.
ENGINE HOUSE Cost, $——
FRESNO, Fresno Co., Cal. Lots 18 and 19 Blk 10, North Park Terrace.
Construction of a fire engine house.
Owner—City of Fresno, R. Y. St. George City Clerk.
Architect—Not Given.
Certified check for 10% payable to city required with each bid. Plans on file in office of City Clerk.

FLATS

Plans Complete.
FLATS Cost, $14,000
SAN FRANCISCO. S Jackson 137-6 E Spruce.
Three-story & basement frame (4) flats
Owner—G. Benson.
Architect—J. F. Dunn, 401 Phelan Bldg.

Contract Awarded
BUILDING & GARAGE Cost, $13,000
E. WESLEY AVE., OPP. LAKE PARK Ave., Oakland, Calif. Two-story 13-room frame, flat building and garage.
Owner—A Greenwald, 1338 Grand Ave., Oakland.
Architect—Not Given.
Contractor—Jos. F. Rogers, 321 Oakland Ave. Oakland, Calif.

Plans Complete
FLAT BUILDING Cost, $10,000
N. LAKE PARK AVE., 50 W RAND AVE., Oakland, Cal. 2-story, 12-room flat building.
Owner—A. W. Kiel, 730 Lakeshore Ave., Oakland, Cal.
Architect—Schirmer-Bugbee Co., Thayer Bldg., Oakland, Cal

Contract Awarded
FLATS Cost $14,000
W. RAND AVE., 110 N. LAKE PARK Ave., Oakland, Cal. Two-story frame flats (16 rooms).
Owner—Mrs. Tillie Carpenter, 468 23d St., Oakland, Cal.
Architect—Not Given.
Contractor—Julius Anderson, 468 23d St., Oakland, Cal.

GARAGES

Contracts Awarded.
GARAGE Cost, $——
LOS ANGELES, Cal. Pico St. near Figueroa.
Two-story Class A reinforced concrete garage.
Owner—J. A. Graves.
Architect—Morgan, Walls & Morgan, Van Nuys Bldg., L. A.
Contractor—K. G. Bradley, 1925 E-16th St., L. A.
Terra cotta to Tropico Potteries, Inc.
Elevator to Llewellyn Iron Works.
Electric wiring and telephone system to Henry Hege.
Plumbing and gas fitting to Lohman Bros.
Heating to Pacific Gas Radiator Co.
Roofing to Pioneer Waterproofing & Roof Co.
Painting to Arenz-Warren Co.

Being Done by Day's Work.
GARAGE Cost, $1000
SAN FRANCISCO. Arguello Blvd. and Geary St. One-story fram garage.
Owner—J. Kurtz.
Architect—Arthur G. Scholz, Phelan Bldg., S. F.

Plans Being Figured—Bids Close Aug. 4, 3 P. M.
GARAGE Cost, $ ——
FRESNO, Fresno Co., Cal. Lots 27 to 32 Blk 40.
Construct Municipal garage.
Owner—City of Fresno, R. Y. St. George, City Clerk.
Architect—Not Given.
Bids will be received for a general contract and for flooring, brick work and roofing.
Certified check for 10% payable to City required with each bid. Plans on file in office of City Clerk.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—All bids received by the Bureau of Yards and Docks, Navy Department, for Specification No. 4429, alterations to barracks C-1 for temporary dispensary at San Diego.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, rejects bids for constructing foundations for machine shop at Pearl Harbor, T. H., provided for under Specification No. 4396.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for fur. and del. the following materials: date for opening bids as noted at end of each paragraph:

Schedule 8459, Puget Sound, 50,000 pounds blanc-fixe, opening of August 9.

Schedule 8471, Mare Island, a miscellaneous quantity of brushes, various kinds, opening of August 9.

Schedule 8481, various eastern and western yards, a miscellaneous quantity of motor generator sets, motor generators and dynamotors, opening of August 9.

Schedule 8483, various eastern and western yards, 30 storage batteries, opening of August 9.

Schedule 8484, various eastern and western yards, a miscellaneous quantity of steel pipe, opening of August 9.

Schedule 8502, Puget Sound, 300,000 pounds foundry pig iron, opening of August 12.

Schedule 8512, Puget Sound, 4 electric turning gear, opening of August 12.

Schedule 8513, Mare Island, 5,000 pounds copper tubing, opening of August 12.

WASHINGTON, D. C.—Following bids received by Bureau of Yards and Docks, Navy Department, under Specification No. 4447, for extensions to fresh and salt water systems at Puget Sound, Washington, Navy Yard:

Item 1, net price and time for the entire work, complete in accordance with the drawing and specification; 2, net price for each additional outlet in place, consisting of 12x12x8 inch tee, with plugged outlet; 3, net price for each additional hydrant in place, including fittings, pipe and valve in accordance with typical detail shown on drawing; 4, amount to be deducted from the price and time bid under item 1 for the omission of that portion of work lying between the 10-inch gate valve and the tunnel on Main street.

Bergh-Griggs Co., 936 Commerce St., Tacoma Wash., item 1, $29,925, 90 days; 2, $100; 3, $225; 4, $2,500.

Robert G. Stevenson, 1327 N. Lake Ave., Seattle, Wash., item 1, $27,400, 120 days; 2, $75; 3, $175; 4, $1,150.

Robert H. Travers, 3144 Arcade Bldg., Seattle, Wash., item 1, $24,781.12, 100 days; 2, $88; 3, $212; 4, $2,136, 8 days.

Eckart Plumbing & Heating Co., 1614 3d Ave., Seattle, Wash., item 1, $28,905, 110 days; 2, $90; 3, $2[illegible]; 4, $[illegible]500.

King Plumbing and Heating Co., 211 Columbia St., Seattle, Wash., item 1, $26,726, 115 days; 2, $71; 3, $186; 4, $2,484.

C. F. Mentzinger's Sons, 354 Broadway, Brooklyn, item 1, $356.50, 120 days; 2, $83; 3, $188; 4, $4,908.

L. L. Lent, 221 Burwell Ave., Bremerton, Wash., item 1, $29,573, 120 days; 2, $65; 3, $195; 4, $2,500, 10 days. Telegraph modifications, item 1, deduct $2,035; 4, deduct $655.

SAN FRANCISCO—Until August 1, 10 a. m., bids will be received by Quartermaster Supply Officer, Fort Mason, under Circular No. 22-9, for furnishing and delivering graphite, steam packing, 25 lbs. white zinc paint, 12 pcs. rolled plate zinc, 1 doz. oiler spouts, 5 lbs. copper wire, 6 attachment plugs and 6 weatherproof sockets, etc.

SAN FRANCISCO.—Until July 26, 11 a. m., bids will be received by U. S. Engineer Office, 240 Montgomery St., for furnishing and delivering under Order No. 3177, approximately 3750 lin. ft. of piling, to be Douglas Fir, sound throughout to be 100 lengths approximately 35 to 40 ft. long. Three points of delivery: Sacramento, San Francisco and f. o. b. cars.

SAN FRANCISCO.—Until July 25, 11 a. m., bids will be received by U. S. Engineer Office, 240 Montgomery St., for furnishing and delivering, Rio Vista, Solano County, under Order No. 3162, miscellaneous hardware, etc.

SAN FRANCISCO.—Until July 28, 10 a. m., bids will be received by U. S. Engineer Office, 240 Montgomery St., for furnishing and delivering f. o. b. regular wharf, Rio Vista, Solano County, oils and greases under Order No. 3182.

SAN FRANCISCO.—Until August 1, 10 a. m., bids will be received by the Quartermaster Supply Officer, Fort Mason, under Circular No. 22-8 for furnishing and delivering centrifugal glass tubes, rubber tubing, etc., etc.

SAN FRANCISCO—Until July 28, 11 a. m. bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. under Order No. 3183: 25 gals. red lead paint; 1 gal. banana oil; 20 gals. turpentine substitute; 20 lbs Prussian Blue color; 8 pts. gold bronze liquid and 50 lbs. putty; all to be delivered f. o. b. regular wharf, Rio Vista, Solano County.

SAN FRANCISCO—Until July 29, 10 a. m. bids will be received by U. S. Engineer Office, 240 Montgomery St., under Order No. 3184, for fur. and del. f. o. b. regular wharf, Rio Vista, Solano County, miscellaneous pipe and pipe fittings, etc.

SAN FRANCISCO—Until August 1, 11 a. m., bids will be received by U. S. Engineer's Office, 240 Montgomery St., under Order No. 3189, for furnishing and delivering f. o. b. regular wharf, Rio Vista, Solano County: 150 lbs. of steam packing, 200-lb. pressure; ¼-in., ½-in. and ⅝-in.; 50 lbs. of each.

SAN FRANCISCO—Until July 29, 11 a. m., bids will be received by U. S. Engineer's Office, 240 Montgomery St., under Order No. 3185, for furnishing and delivering f. o. b. regular wharf, Rio Vista, Solano County: miscellaneous hardware and iron.

SAN FRANCISCO—Until July 30, 11 a. m., bids will be received by U. S. Engineer Office, 240 Montgomery St., under Order No. 3187, for furnishing and delivering f. o. b. regular wharf, Rio Vista, Solano County: 1000 pcs. O. P. 2 x 6-in. by 14-ft. No. 2 common rough, 14,000 ft. B. M. and 50 pcs. O. P. 1½ x 2½-in. by 12-ft. clear, s.4.s.

WASHINGTON, D. C.—Until August 3, 10:30 a. m., bids will be received by Panama Canal Commission under Circular No. 1453 for furnishing and delivering steel, boiler tubes, wire and cable, motors, pumps, tractor mowers, blueprint machine and chemicals, blueprint paper, insulators, voltmeters, switches, reflectors, receptacles, taps, asbestos, lumber, boiler graphite, valves, shackles, pliers, inner tubes and tires, varnish, linseed oil, ferrotitanium, metal crayons, pencils, bristol board, paper, twine, registering measures, refrigerators, nails, lime, creosote oil and calcium chloride. Further information may be had from Assistant Purchasing Agent, Fort Mason, S. F.

HALLS AND SOCIETY BUILDINGS

Figures to be Taken Next Week.
CLUB Cost, $150,000
PASADENA, Los Angeles Co., Cal.
Three-story & basement reinforced concrete club bldg.
Owner—Y. M. C. A. of Pasadena.
Architect—Miss Julia Morgan, Merchants Ex. Bldg., S. F.
Figures will be taken by Architects Martin & Van Pelt, Chamber of Commerce Bldg., Pasadena, who will be the local superintendents of construction.

Plans Being Figured—Bids Close Aug. 3, 1:45 p. m.
ADDITION Cost, $8000
OROVILLE, Butte Co., Cal.
Addition of 4 rooms to County Infirmary (36 beds)
Owner—County of Butte, C. F. Belding, Clerk, Oroville, Cal.
Architect — Chester Cole, Waterland-Breslauer Bldg., Chico, Cal.
Plans may be had from the office of the architect at Chico or County Clerk at Oroville.

Bids taken under advisement.
ADDITION Cost, $50,000
SAN FRANCISCO. Chinatown.
One-story brick addition to present 4-story brick bldg. (also extensive alterations, tile & marble work, plaster exterior, etc.)
Owner—Withheld.
Architect—Chas. E. J. Rogers, Phelan Bldg., S. F.

SALEM, Ore.—Architect Cuyler Van Patten, Salem, retained by Salem Lodge of Elks to prepare plans for proposed $150,000 lodge structure to be erected at Cottage and State streets.

FOREST GROVE, Ore.—Stebbinger Bros., Portland, at $45,432, awarded contract by Architect W. C. Knighton, U. S. Bank Bldg., Portland, for tile partitions, plastering and interior finish for Masonic home. Structure complete will cost $270,000.

Contract Awarded.
DANCING ACADEMY Cost, Approximately $54,000.
SAN FRANCISCO. N Geary 164 E Van Ness Avenue.
Two-story and basement reinforced concrete dancing academy and offices.
Owner—Louis R. Lurie, Mille Bldg., San Francisco.
Architect—Bernard J. Joseph, 74 New Montgomery St., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

HOSPITALS

SAN FRANCISCO.—Supervisors are requested by Board of Public Works to adopt an ordinance authorizing a call for bids for repairing elevators in the San Francisco Hospital. John Reid, Jr., City Architect.

SALEM, Ore.—State Board of Control awards contracts for Eastern Oregon State Hospital as follows: General contract including electric wiring to Helmer Setterbein, Missoula, Mont., $126,500; heating to Fox & Co., Portland, $7810; plumbing to Rushlight & Hastorf, Portland, $10,600.

RENO, Nev. — The Washoe County Commissioners have instructed County Clerk Beemer to secure preliminary plans for an isolation hospital to cost approximately $25,000 with $10,000 additional for fixtures and equipment. The structure will be designed so as to allow for additions to be made at a later date.

Plans Being Prepared.
ADDITION Cost, $——
BELMONT, San Mateo Co., Cal.
Two-story addition to sanitarium.
Owner—California Sanitarium.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Preliminary Plans Prepared.
HOSPITAL Cost, $1,000,000
SACRAMENTO, Cal. Location Not Selected.
Six-story reinforced concrete and terra cotta hospital building.
Owner—S. Ginsberg, Head of a Corporation being formed.
Architect—Sam Lightner Hyman, Foxcroft Bldg., San Francisco.

SALEM, Ore. — Thos. Setterbein, Missoula, Mont., submits low bid to State Board of Control for constructing Unit B of the Eastern Oregon State Hospital at $146,370 for structure complete including electric wiring. F. G. Morin, Spokane, Wash., at $113,545 submitted low bid for structure complete with exception of finishing third floor. Fox & Co., Portland, low bidders for heating at $8900 and $7810. Rushlight & Hastorf, Portland, low bidders for plumbing at $10,600 and $9780. Bids taken under advisement.

RIVERSIDE, Cal.—Until noon, July 20, bids will be received by W. H. Fertig, County Purchasing Agent, for 1 45-h. p. steam boiler to be erected in County Hospital, to be exact duplicate of one now installed.

HOTELS

WILLOWS, Glenn Co., Cal.—E. M. Whilton and C. H. Price of the San Joaquin Valley Hotel Co., Los Angeles, have looked over sites on which it is planned to erect a $225,000 hotel. Of the many sites considered the corner of Sycamore and Tehama Sts., and Walnut and Butte Sts., are the most favored.

Plans Being Figured—Bids Close July 30, 1921.
HOTEL, ETC. Cost, $103,000
TAFT, Kern Co., Cal.
Three-story reinforced concrete store and hotel building.
Owner—Withhold.
Architect—Eugene K. Martin, Arlington Bldg., Bakersfield.

PUBLIC BUILDINGS

FRESNO, Fresno Co., Cal. — Miss Sarah E. McCardle, Fresno County librarian, in a talk before the Kiwanis Club of Fresno urged the erection of a $500,000 county library in Fresno; funds to be made available from a bond issue.

Plans Complete
POST OFFICE $35,000
FRESNO, Fresno Co., Cal. SE Kern and N Streets.
Brick and concrete branch post office.
Owner—F. L. R. Burks, Forsythe Bldg., Fresno.
Architect—R. F. Felchlin & Co., Bank of Italy Bldg., Fresno.

Contracts Awarded.
FURNITURE, ETC. Cost, $ —
INDEPENDENCE, Inyo Co., Cal.
Furniture, etc., for new Court House.
Owner—Inyo County.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Furniture—Awarded to Rucker-Fuller Desk Co., 432 14th St., Oakland, at $24,425.
Carpets, Shades and Linoleum to D. N. & E. Walter Co., 562 Mission St., San Francisco, $5,625.
Lighting Fixtures to Boyd Fixture Co., 278 Post St., San Francisco, $1,625.

Contract Awarded.
POSTOFFICE Cost, $50,000
LOS ANGELES, Cal. NE 9th & Olive Streets.
One-story & basement brick bldg. (branch postoffice)
Owner — Mrs. C. Shatto and J. A. Anderson.
Archt. & Contractor—Jos. H. Rhodes, 414 Central Bldg., L. A.

RESIDENCES

Owner to Take Figures.
RESIDENCE Cost, $6500
OAKLAND, Cal. Vernon St.
Two-story frame residence.
Owner—Mrs. Margaret Cain, 1646 Addison St., Bkly.
Architect—Miller & Warnecke, Perry Bldg., Oakland.

Plans Complete.
RESIDENCE Cost, $10,000
SAN FRANCISCO. W Buena Vista 244 N Frederick.
Two-story & basement frame residence
Owner—Helen M. Schmidt, 1317 Hyde Street.
Architect—E. H. Denke, 1317 Hyde St.

Sketches Being Prepared.
RESIDENCE Cost, $5000
PASO ROBLES, San Luis Obispo Co., Calif.
One-story five-room frame residence.
Owner—J. B. Goulding, Paso Robles.
Architects—Miller & Warnecke, Perry Bldg., Oakland.

Plans Being Prepared.
BUNGALOW Cost, $8000
ALAMEDA.
One-story frame bungalow (6 rooms & garage)
Owner—Withheld.
Architect—Chas. E. J. Rogers, Phelan Bldg., S. F.

Contract Awarded.
RESIDENCE Cost, $18,000
SACRAMENTO, Cal.
Two-story frame & plaster residence & garage.
Owner—C. M. Goethe, 3730 S St., Sacto.
Architect—Miss Julia Morgan, Merchants Ex. Bldg., S. F.
Contractor—F. A. Kurtz, premises.

Plans Completed.
RESIDENCE Cost, $18,000
MADERA, Madera Co., Cal.
Two-story & basement hollow tile or brick residence (10 roms)
Owner—Mrs. Fred W. Barnett.
Architect — Swartz & Ryland, Rowell Bldg., Fresno.
Structure will be of hollow tile or brick up to first story and of frame construction above. Interior finish will be of quartered oak, southern gum and white enamel.

Contract Awarded
RESIDENCE
CARMEL, Monterey Co., Cal.,
One-story frame residence (rustic exterior)
Owner—Geo. H. Richardson.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.
Contractor—Mr Murphy, Carmel, Cal.
Low Bidder
RESIDENCE
BERKELEY, Alameda Co., Cal. Berkeley Heights.
One and one-half-story frame and plaster residence (5 rooms).
Owner—W. J. Dodge.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.
Louis O. Hansson, 1408 Bonita, Berkeley, submitted the lowest bid at $6,500.

GATEWAYS Cost, $——
VILLA MONTALVO, Saratoga, Santa Clara, Co. 2 Stone and Iron entrance gateways.
Owner—James D. Phelan.
Architect—C. E. Gottschalk, Phelan Bldg, San Francisco.
Mr. Gottschalk has awarded a contract to the Day and Night Solar Heater Co., 77 O'Farrell street for an auxiliary heater system to cost about $3,000.

Plans Being Prepared
RESIDENCES Cost, $4000 each
SAN FRANCISCO. Parkside District
Two 1-story and basement frame and plaster residences, 5 rooms and basement garage each.
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., S. F.

Figures Being Taken from a Selected List of Contractors
ALTERATIONS Cost, $6000
MENLO PARK, San Mateo Co. Alterations and additions to frame residence.
Owner—Judge Shurtleff, Menlo Park.
Architect—A. A. Cantin, 68 Post St., S. F.

Low Bidder Re-figuring.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Keith Avenue.
Two-story frame and plaster residence
Owner—B. J. Williams.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
C. Texdahl, 226 Acton Place, Oakland, submitted the lowest bid at $12,474, and Walter Mork of Berkeley on the heating at $345.

Low Bidder Refiguring.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Mariposa Street.
Two-story frame and plaster residence
Owner—D. G. C. Johnson.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
D. A. Goodrich submitted the lowest bid at $12,600.

Sketches Being Prepared.
GARAGE Cost, $——
BERKELEY, Alameda Co., Cal. Northbrae District.
One-story 6-room frame and plaster bungalow with basement garage.
Owner—Mrs. Rowlands.
Architect—George O'Brien, Bacon Bldg. Oakland.

Contracts Awarded.
RESIDENCES Cost, $14,000
SAN FRANCISCO. Twenty-seventh Ave. bet. Geary and Clement Streets.
Two one-story frame and plaster residences (6 rooms and basement garage each).
Owner—J. Rapheld.
Architect—J. F. Dunn, Phelan Bldg., San Francisco.
Mr. Dunn has awarded contract on all parts of the work which amounted to approximately $14,000.

Contract Awarded.
RESIDENCE Cost, $24,500
PASADENA, Los Angeles Co., Cal. No. 550 Woodland Road.
Two-story frame and plaster residence (9 rooms, garage, laundry, etc.)
Owner—Mrs. Henry Goss.
Architect—Not Given.
Contractor — G. Lawrence Stimson, Chamber of Commerce Bldg., Pasadena.

Plans Being Figured.
RESIDENCE Cost, $12,000
ALAMEDA, Alameda Co., Cal. Sherman Street.
Two-story frame and stucco residence and separate garage.
Owner—Mrs. J. M. Sandow.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

SCHOOLS

Contracts Awarded.
SCHOOL Cost, $ —
SANTA CLARA, Santa Clara Co., Cal.
One and two-story reinforced concrete school building.
Owner—Santa Clara High School Dist.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Excavating, grading, etc., Propositions No. 2 and 3, awarded to Morrison Bros., Santa Clara, $20,130.
Carpenter work, etc., Propositions No. 2 and 3, to Morrison Bros. at $53,106
Special equipment to Pacific Mfg. Co., 177 Stevenson St., S. F., $15,250.
Iron and steel work, Propositions No. 1, 2 and 3, to Brode Iron Works, 37 Hawthorne St., S. F., $2560.
Finished hardware, Propositions No. 1 and 2, to The San Jose Hardware Co., 62 W. San Fernando, San Jose, $2710.
Lath and plaster, Propositions No. 2 and 3, to J. J. McLeod, 180 Jessie St., S. F., $9494.
The following bids were rejected: Electric work, plumbing, painting, tile, roof and fibrestone, mason work and terra cotta, sheet metal, heating and ventilating, blackboards, window shades and linoleum. Excepting for the last three items, the board will readvertise for bids immediately. The board will advertise for the last three items at a later date. The bids for the clock system are being held for further consideration.
(34967) 1st report May 28, 1920; 12th.

Commissioned to Prepare Plans.
SCHOOL Cost, $60,000
OAKDALE, Stanislaus Co., Cal.
One-story brick & concrete 5-room school and a 2-room brick & concrete addition to present bldg.
Owner—Oakdale Grammar School Dist.
Architect — Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Plans Revised—Bids to be Called for Next Week.
GYMNASIUM, ETC. Cost, $25,000
SONORA, Tuolumne Co., Calif.
Two-story reinforced concrete gymnasium and auditorium.
Owner—Sonora High School District.
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.

FRESNO, Fresno Co., Cal. — Until July 30, 10 a. m., bids will be received by W. S. Robinson, Clerk, Redding School District, Route 1, Box 350, Fresno, for painting the exterior of the Roeding School. Specifications will be furnished on request.

Commissioned to Prepare Plans.
SCHOOL Cost, $125,000
SOUTH PASADENA, Los Angeles Co., Cal.
Brick buildings for school (gymnasium and storm bldgs., etc.)
Owner—South Pasadena High School District.
Architect — Norman F. Marsh, 24 Broadway Central Bldg., L. A.

PACIFIC GROVE, Monterey Co., Cal. - The following bids were received on July 15th, by the Trustees of the Pacific Grove High School District for the construction of a one-story reinforced concrete (16 classroom and auditorium) school building from plans prepared by Architect Arthur W. Angel, 565 Lighthouse Ave., Pacific Grove. All bids were taken under advisement. The alternate bids were for the following: (a) hollow tile instead of concrete; (b) tile roof instead of crushed brick composition; (c) painting exterior plaster; (d) maple or oak floors; (e) finishing second story; (f) increase size of auditorium; (g) move old building.

General Contract

T. H. Dean, Pacific Grove.....$69,873
(a) $——; (b) $7,997; (c) $550; (d) $1,500; (e) $956; (f) $2,875; (g) $2,495, time, 130 days.
Cahill-Vensano Co., S. F.....$72,400
(a) $76,400; (b) $5,775; (c) $943; (d) $2,745; (e) $1,000; (f) $1,930; (g) $4,200, time 150 days.
G. P. W. Jensen, S. F.....$73,900
(a) $72,400; (b) $5,471; (c) $600; (d) $2,000; (e) $435; (f) $2,543; (g) $2,695, time ——.
C. L. Wold, San Francisco.....$74,570
(a) $76,512; (b) $7,046; (c) $643; (d) $2,780; (e) $560; (f) $2,253; (g) $2,153, time 200 days.
R. McLeran Co., San Francisco..$75,675
(a) $75,325; (b) $5,300; (c) $410; (d) $2,000; (e) $718; (f) $2,900; (g) $3,000, time 200 days.
W. C. Duncan Co., S. F.....$76,555
(a) $83,255; (b) $6,500; (c) $725; (d) $3,000; (e) $565; (f) $2,400, (g) $2,450, time 200 days.
Cobby & Owsley, S. F.....$78,280
(a) $——; (b) $5,480; (c) $1,000; (d) $3,700; (e) $810; (f) $2,400; (g) $3,600, time ——.
P. F. Reilly, San Francisco.....$79,680
(a) $——; (b) $——; (c) $1,175; (d) $1,950; (e) $980; (f) $2,150; (g) $3,500, time 200 days.
Lawton & Vezey, S. F.....$79,798
(a) $75,488; (b) $6,277; (c) $943; (d) $1,000; (e) $980; (f) $2,348; (g) $1,600, time 125 days.
Dowsett & Ruhl, Pacific Grove.$84,324
(a) $84,974; (b) $6,500; (c) $960; (d) $3,190; (e) $1,010; (f) $2,421; (g) $2,195, time 120 days.

Heating

Carl T. Doell, Oakland.....$5,747
$1,055.
Turner Co., San Francisco.....$4,780
$1,020
Thos. Kennedy, Martinez.....$4,796
$348
Luppin & Hawley, Sacramento..$4,966
$780
Thos. Cope, Pacific Grove.....$5,292
$350
Scott Co. $5,540
$790
W. K. Nottingham, Oakland....$5,588
$844
J. M. Lettich, San Francisco....$5,665
$900
Fred Studer, San Jose.....$6,102
$——
Anderson & Dougherty.....$6,126
$——
Arthur Hess $8,295
$——
P. J. Enright, San Francisco.....$5,316
$——

Plumbing

Carl T. Doell, Oakland.....$4,687
$4,611 Crane Co.
Turner Co., San Francisco.....$4,860
$4,800 H. J. & C.
Luppin & Hawley, Sacramento..$4,960
$4,910 Crane Co.
Pierce & Cowell, Pacific Grove..$4,821
$—— Standard & Tay
Fred Studer, San Jose.....$5,341
$5,286 Tay Co.
Scott Co. $5,300
$5,250 Crane Co.
Edw. Simpson $5,942
$5,737 H. J & C.
T. J. Freienruth & Co.....$5,241
$—— ——.
Arthur Hess $8,900
$—— ——.
Thos. R. Catton, Berkeley.....$4,999
deduct $400, Trenton Potteries, H. J. & C. Co. fixtures.
Thas. Cope, Pacific Grove.....$5,535
$5,470 deduct $400 for Trenton fix.

Program Clocks

Pacific Electric Clock Co., S. F.....$789
International Time Recording Co.. 877
(No check)

Contracts Awarded.
SCHOOL Cost,, $——
BERKELEY, Cal. Allston Way and Dana Street.
Two-story reinforced concrete school building.
Owner — Pacific Unitarian School for the Ministry.
Architect—Wm. C. Hays, First Nat'l. Bank Bldg., San Francisco.
Contract Work—Barrett & Hilp, Sharon Bldg., San Francisco, for $6,130.
Carpentry and Mill Work—Barrett & Hilp, San Francisco, $9,353.
Excavating—Barrett & Hilp.
Lathing and Plastering—Wm. Makin, $4,125.
Painting—D. Zelinsky & Son, 180 Jessie St., San Francisco, $625.
Heating—L. D. Frazee, 699 36th St., Oakland, $1,512.
Plumbing—Carl T. Doell, 467 21st St., Oakland, $923.
Electric Work—Butte Elec. & Mfg. Co., 534 Folsom St., S. F., $925.
Roofing and Sheet Metal Work—Heidt Cornice Works, 152 1st St., San Francisco, $3,175.

Plans Completed.
SCHOOL Cost, $——
GUASTI, Riverside Co., Calif.
Four-room hollow tile school.
Owner — Piedmont Grammar School District.
Architects—Morgan, Walls & Morgan, 1120 Van Nuys Bldg., Los Angeles.

Bids Under Advisement.
EXHIBIT BLDG. Cost,$——
FRESNO, Fresno Co., Cal. County Fair Grounds.
One-story automobile exhibit bldg.
Owner—County of Fresno, D. M. Barnwell, County Clerk.
Architects—Coates & Traver, Rowell-Chandler Bldg., Fresno.
Cereghino & Son, S. F.....$25,326
Paulson & Stange, Fresno..... 25,400
Shorb & Neads, Fresno..... 25,986
Froher & McNulty, Fresno..... 31,300
Trewhitt & Shields Co., Fresno. 26,790
Anton Johnston, Kingsburg.... 27,100
Hart & Hart, Fresno..... 27,817
Frederickson & Shannon, Fresno 28,301
Larsen & Sampson, S. F..... 26,000
Hock & Hoffmeyer, S. F..... 27,286
F. C. Wilson, Fresno..... 25,914

Plans Being Figured—Bids Close July 29, 8 p. m.
ALTERATIONS Cost, $——
HAYWARD, Alameda Co., Cal.
Moving, altering and additions, school building.
Owner—Valle Vista School District, King Caldeira, Acting Trustee.
Architect—Geo. O'Brien, Bacon Bldg., Oakland, Cal.
Plans may be had from the office of the architect on deposit of $5, returnable. Certified check for 5% required with each bid.

Plans Being Figured—Bids Close July 30, 10 a. m.
EXTENSION Cost, $——
PLEASANT GROVE, Sutter Co., Cal.
Construction of 12-ft. extension to school.
Owner—Pleasant Grove Union School Dist., Mrs. Mabel Glenn, Clerk, Pleasant Grove, Cal.
Architect—Not given.
Certified chick for 10% payable to Clerk required with each bid. Plans may be had from the Clerk at Pleasant Grove.

OAKLAND, Cal.—The following bids were received on July 18th by the Oakland Board of Education for the construction of a one-story reinforced concrete girls' gymnasium building at the High School, located at 45th St. and Broadway. All bids were taken under advisement.

General Contract

G. P. W. Jensen, S. F.....$66,700
Clinton Constr. Co., S. F..... 67,478
M. C. Vaughn, Oakland..... 68,200
I. M. Sommers, S. F..... 74,285

Lathing and Plastering

George Dixon $5,869
Sexton 5,998
Wm. Makin, Oakland..... 6,253
A. Knowles, S. F..... 6,500

Steel Lockers

Geo. Trask $2,306.60
Berger Mfg. Co..... 2,552.00
Fred Medart Co..... 2,611.00
Rucker-Fuller Desk Co..... 2,832.00
Waterhouse-Wilcox 3,028.00

Plumbing

W. Picard, Oakland.....$3,555
Carl T. Doell, Oakland..... 3,774
Thos. R. Catton, Berkeley..... 4,139
Scott Co. 4,041
J. B. Cruz, Oakland..... 4640
J. E. O'Mara, S. F..... 4,785
Jas. Rankin, Oakland..... 5,045

Heating

W. Picard $7,411
Carl T. Doell..... 7,450
J. E. O'Mara..... 7,650
E. J. Enright..... 8,016
Jas. Rankin 8,149
Scott Co. 8,334
W. K. Nottinghom..... 8,888

Electrical Work

Roberts Mfg. Co.....$5,350
M. E. Ryan..... 5,492
Standard Elec. Co..... 5,495
Spencer Elec. Co..... 5,738
H. C. Reed Co..... 5,827
Ne Page 6,128
M. E. Ryan..... 6,322
Spott Elec. Co..... 6,358
Butte Elec. & Mfg. Co..... 6,447
Advance Elec. Co..... 6,475

NOTE:—The following three bids were received late and were opened under protest and referred to the District Attorney.

Electrical Work, Turner Co., $5,980.
Heating, Turner Co., $7,780.
Plumbing, Turner Co., $4,460.
Sheet Metal Work for Elmhurst School
Berger-Carter Co. $746.00
Harron-Rickard & McCone..... 991.97

Contract Awarded.
DINING HALL Cost, $34,777
LOS ANGELES, Cal. 16th & Western Ave.
Hollow tile dining hall bldg. 36x103, wing 36x43.
Owner—Harvard Military Academy.
Architect—Reginald Johnson, 100 E. Colorado, Pasadena.
Contractor—May & Grimwkood, Inc., 719 Haas Bldg., L. A.

SEBASTOPOL, Sonoma Co., Cal. — Until July 23, bids will be received by C. J. Sutton, Clerk, Mt. Vernon School District, Sebastopol, for constructing new school building. Specifications will be furnished on request.

Contract Awarded.
HEATING Cost, $——
ELK GROVE, Sacramento Co., Cal.
Heating system (complete oil burning equipment for 2-story high school)
Owner—Elk Grove Union High School District (S. R. Gage, Clerk).
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Latourrette-Fical Co., 3431 Sacramento Blvd., Sacramento.

(Continued on Page 14)

Official Proposals

BIDS WANTED FOR HIGHWAY IMPROVEMENT

State of California

California Highway Commission

NOTICE TO CONTRACTORS

SEALED PROPASALS will be received at the office of the California Highway Commission, 515 Forum Bldg., Sacramento, Cal., **until 2 o'clock p. m., on July 25,** at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Humboldt County across Bear Gulch, near Garberville (I-Hum-1-B), a reinforced concrete bridge about 247 ft. long having a main arch span of 123 ft. in the clear, and two approaches, one of three girder spans of about 23 ft. each, and one of one girder span of about 24 ft., with the necessary abutments, piers and retaining walls.

Siskiyou County (II-Sis-3-B) three reinforced concrete girder bridges as follows: Across Parks Creek near Weed, a bridge consisting of two spans of 32 ft. each; across Willow Creek near Gazelle, a bridge consisting of two spans of 32 ft. each; across Shasta River near Edgewood, a bridge consisting of two spans of 40 ft. each, together with the necessary piers and abutments for each bridge.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHAS. A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN E. FLETCHER,
Highway Engineer.
JOHN F. GALVIN,

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HERBEY GIVEN that sealed bids will be received by the Trustees of the Pacific School District for the erection of a school building, in accordance with the proposals, plans and specifications prepared by Frederick S. Harrison, Architect, Peoples Bank Building, Sacramento, Calif., and on file with the Clerk of the Pacific School District, Sacramento County, Calif.

The said school building to be erected near the site of the old Pacific School.

A certified check in the sum of 10 per cent of the amount of the bid, made payable to the Clerk of the Pacific School District, must accompany each bid, which will be forfeited to the Pacific School District, should the bidder refuse to comply with his bid.

The Trustees reserve the right to reject any and all bids.

Prices for the different portions of the work must be submitted as called for in the proposal blanks.

All bids must be filed with the clerk of the Pacific School District, not later than **4 o'clock P. M., July 28, 1921.**

EDWIN NICHOLAS, Clerk,
R. D. No. 1, Box 132-5, Pacific Avenue,
Sacramento, California.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Office of the Board of Grammar School Trustees, Courtland, Sacramento County, State of California.

Notice is hereby given that sealed bids will be received by the undersigned up to and not later than the hour of **2 p. m. of the 28th day of July, 1921,** at the office of the said board in the Courtland Grammar School, for the erection of the Oriental Grammar School at Courtland, in accordance with plans and specifications prepared by F. A. S. Foale, architect, 507-508 Ochsner Bldg., Sacramento, which plans may be obtained by intending bidders at the architect's office on or before Saturday, July 16, 1921.

All bids must be submitted on forms furnished by the architect, and must be accompanied by a certified check on some solvent bank in a sum equal to ten per cent (10%) of the amount of each bid, conditional that if the contract is awarded the party submitting the accepted bid will enter into contract and furnish such bond as may be required within ten days after making award, or, failing so to do, the amount of such check to be forfeited as liquidated damages for such failure. All checks to be made payable to the order of the Chairman of the Board of Grammar School Trustees of Courtland, Sacramento County, State of California.

The board reserves the right to reject any and all bids.

By order of the Board of Grammar School Trustees, Courtland, Sacramento County, California.

W. J. SMITH, Chairman.
H. J. Read, Clerk.
Dated July 13, 1921.

BIDS WANTED FOR POST OFFICE BUILDING

SUPERVISING ARCHITECT'S OFFICE, Treasury Department, Washington, D. C., July 11, 1921.—SEALED PROPOSALS will be opened in this office **at 3 P. M., August 15, 1921,** for the construction of the United States Post Office and Court House at Globe, Arizona. Drawings and specifications may be obtained from the Custodian of site at Globe, Arizona, or at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR REMODELING SCHOOL

NOTICE TO CONTRACTORS AND BUILDERS

Notice is hereby given that sealed bids will be received and opened by the Board of Trustees of the Durham Grammar School District, Butte County, California, **up to 2:30 o'clock P. M., on the 28th day of July, 1921,** at the office of the Clerk of the Board in the School Building at Durham, California, for the remodeling of two rooms in basement of the above named District in accordance with plans and specifications made for the same by W. H. Weeks, the authorized Architect employed by the Board.

Plans and specifications can be seen at the office of the Clerk of the Board at Durham, or at the office of the Architect, W. H. Weeks, 75 Post St., San Francisco, California.

A deposit of Twenty ($20.00) Dollars cash will be required on all plans loaned out as a guarantee of good faith.

All bids to be made out on blank forms furnished by the Architect and must be accompanied by a check for not less than five per cent (5%) of the amount bid, made payable to J. A. Williams, Clerk of the Board, and certified to by some responsible banking house. This check to be forfeited in the event that the successful bidder, after having been awarded the contract, fails within ten (10) days to sign the contract and furnish a good and sufficient bond, as required by law.

The Board reserves the right to reject any and all bids.

Dated at Durham, July 13th, 1921.

J. A. WILLIAMS
GEO. W. JONES,
F. E. BAXTER,
Board of Trustees, Durham School District.

BIDS WANTED FOR ALTERATIONS AND ADDITION TO SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that the Board of Trustees of Valle Vista School District of Alameda County calls for sealed bids for the moving of alterations and additions to the Valle Vista Grammar School building. Plans and specifications may be obtained from the Clerk of the Board, or at the office of the architect, George O'Brien, Bacon Building, Oakland, California, upon depositing Five ($5) Dollars subject to the return of the plans and specifications in good condition.

All bids must be made out on the forms provided, and each bid must be accompanied by a certified check or bidder's bond for an amount not less than 5% of the amount of the bid. Said check or bond to be forfeited to the said Board of Trustees should the bidder fail to execute contract and furnish the bond called for in the specifications within ten days after being notified of the acceptance of his bid.

Bids will be opened by the Board of Trustees of said district on **July 29, 1921, at 8 o'clock P. M.,** at the schoolhouse.

The said Board reserves the right to reject any or all bids.

By order of the Board of Trustees
Valle Vista School District, Alameda County, California.
Dated July 8, 1921.

BY KING CALDERON
Acting Trustee, Clerk Board of Trustees, Valle Vista School District.

NOTICE TO BIDDERS ON ADDITIONS TO TRACY GRAMMAR SCHOOL BUILDING, TRACY, CALIFORNIA

Notice is hereby given by the Board of Trustees of the Tracy Grammar School District that sealed bids will be received by the [illegible] Trustees at the Tracy Grammar School Building located at the southwest corner of the intersection of Central Ave. and Eleventh St. in the City of Tracy, up to **5 o'clock p. m. on the 30th day of July, 1921,** at which time all bids will be publicly opened.

Said bids shall be for the furnishing of all labor and materials [illegible] building [illegible] plans and specifications prepared [illegible] Lee architects, employed by the Board.

said bids to be for all work for said building complete.

Said building to be located on the site of the Tracy Grammar School on the south side of the railroad track.

All bids are to be for work according to plans and specifications which may be obtained at the office of Wright & Satterlee, Bank of Italy Bldg., Stockton, Cal., during business hours.

All bids must be accompanied by a certified check or certificate of deposit for Three Hundred ($300) Dollars made payable to Thos. Garner, Clerk of the Board of Trustees, and conditioned that the successful bidder shall enter into a contract in accordance with such bid, and file with said Board of Trustees an approved bond within six days after the acceptance of his bid which bonds shall be conditioned for the faithful fulfillment of the contract entered into and to be done thereunder and for the protection of all persons performing labor or furnishing material for the construction of said building.

In case the contractor shall fail to execute the required contract or furnish a bond acceptable to the Board within the six days due notice having been given him, then shall the contractor forfeit all claim to the said Three Hundred ($300) Dollars and it shall become the property of the Tracy School District.

All bids must be submitted upon forms obtained from the architect.

Contractor must make a deposit of Ten ($10) Dollars with the architects when taking plans and specifications from the office which amount will be returned to said contractor upon return of the plans in good condition to the office of the architect.

The Board reserves the right to reject any or all bids.

Dated July 12, 1921.

By order of the Board of Trustees,
BERTHA M. McGEE,
F. H. WESTLAKE,
THOS. GARNER.

NOTICE TO BIDDERS ON SCHOOL FURNITURE AND EQUIPMENT FOR THE NEW GARFIELD AND LINCOLN SCHOOLS

The Berkeley Board of Education of the City of Berkeley and of Berkeley School District of Alameda County, State of California, invites, and the undersigned will receive at his office, 2133 Allston Way, Berkeley, California, **up to the hour of 4 P. M., July 26th, 1921,** sealed proposals for furnishing school furniture and equipment for the new Garfield School, situated at Rose and Josephine Streets, and for the new Lincoln School, situated at Prince and King Streets, in the Berkeley School District, in accordance with plans and specifications now on file at the office of said Board of Education, 2133 Allston Way, Berkeley, California.

All bids must be sealed and addressed to the Secretary of the Board of Education, 2133 Allston Way, Berkeley, California, and must be accompanied by a certified check in the amount of ten per cent (10%) of the bid, payable to the Board of Education of the City of Berkeley and Berkeley School District.

All bids must be delivered to the Secretary of the Board of Education at his office, 2133 Allston Way, Berkeley, California, prior to the **hour of 4 o'clock P. M., Tuesday, July 26th, 1921.**

Bids will be opened by said Board of Education on Tuesday, July 26th, 1921, at or after the hour of 4:15 o'clock P. M., in the Board of Education rooms, 2133 Allston Way, Berkeley, California.

The Board reserves the right to reject any or all bids or any portion of any bid.

By order of the Board of Education of the City of Berkeley and Berkeley School District in the County of Alameda, State of California.

Dated June 14th, 1921.

CLYDE BLANCHARD,
Acting Secretary of Said Board of Education.

NOTICE TO ARCHITECTS

Notice is hereby given that in accordance with an order of the Board of County Commissioners of Washoe County, Nevada, entered on the 16th day of July, 1921, plans, specifications and detailed drawings will be received by the said Board for the erecting and constructing of an Isolation Hospital, near the present County Hospital, for a sum not to exceed $25,000.

Said specifications to include plan for heating, electric wiring, gas piping, plumbing and telephone wiring.

Said plans and specifications shall be filed with E. H. Beemer, County Clerk, at his office in the Court House not later than **12:00 o'clock noon, Monday, August 1, 1921.**

E. H. BEEMER,
County Clerk. (tf)

BIDS WANTED FOR PAINTING SCHOOL

NOTICE TO BIDDERS

SAN LORENZO, Alameda Co., Cal.—Pursuant to a resolution duly passed by the Board of Trustees of the San Lorenzo School District, I was instructed to ask for bids for painting the exterior of the school building of said district.

Bids for this work will be received up to and including Monday, August 8, 1921, by the said Clerk of said Board, and must be made in conformity to and based on the specification adopted by said Board. A copy of which specifications will be forwarded by the Clerk of said Board by request.

(Signed) R. P. KING,
Clerk of the Board of Trustees of San Lorenzo School District.

SCHOOLS

(Continued from Page 12)

REEDLEY, Fresno Co., Cal.—The following bids were received on July 16, 1921, by the Trustees of the Great Western Grammar School District for the construction of a new school building to be erected near Reedley from plans prepared by Architect Anton Johnson of Kingsburg. Contracts were awarded on five of the ten segregations.

Contract No. 1.—For the excavating, concrete, carpenter work, millwork, etc.:

	A	B
P. Andy Nielsen	$29,715	$825
Squire Cooper	27,268	430
Barkelew & Gould	23,909	336
	C	D
P. Andy Nielsen	$3619	$1570
Squire Cooper	1900	1000
Barkelew & Gould	2164	455

Contract awarded to Barkelew & Gould of Fresno.

Contract No. 2.—For masonry work and terra cotta:

	A	B
Paul Kindler	$13.536	$1443
A. Seablom	13,400	1400
F. F. Smith	10,675	1560
Barkelew & Gould	13,780	800

Contract No. 3.—For all sheet metal work:

	A	B
Ruth Ringleman	$1150	$75
L. F. Tegelberg	1937	50

Contract awarded to Ruth Ringleman.

Contract No. 4.—For composition roofing:

	A	B
C. E. McMullin	$523	$118
Valley Lumber Co	550	....
Fresno Roof & Paint Co.	585	....

Contract awarded to C. E. McMullin.

Contract No. 5.—For lathing and plastering:

	A	B	C
Chas. Thollander	$4950	$450	$1497

Contract No. 6.—For furnishing and placing of blackboards:

	A	B
C. F. Weber Co.	$339.60	$85

Contract awarded to C. F. Weber Co. of San Francisco.

Contract No. 7.—For the painting:

	A	B
Frisk & Swanson	$2390	$350
C. M. Johnson	2285	110
	C	D	E
Frisk & Swanson	$1990	$450	....
C. M. Johnson	310	610	$40

Contract No. 8.—For plumbing and sewering:

Dewin Magnuson	$4250.00
B. A. Newman	3562.00
Valley Plumbing Co.	3128.10
Mechanical Engineering & Sup.	3647.00
L. L. Brown	3304.16

Contract No. 9.—For electrical work:

	A	B	C
Reedley Elec. Wks.	$1800	....	....
Elec. Const. Co.	2180	$50	$2100
Fowler Bros.	2890	160	....

Contract No. 10.—For the heating and ventilating:

	A	B
B. A. Newman	$2833	$200
Mech. Eng. & Sup. Co.	2352	115
W. K. Nottingham	2797	297

Contract awarded to Mechanical Eng. & Sup. Co. of Sacramento.

Bids have been taken under advisement for the masonry, lathing and plastering, painting, plumbing and electrical work.

Plans Being Figured—Bids Close Aug. 1, 3 p. m.

SCHOOL Cost, $——
BAKERSFIELD, Kern Co., Cal.
Frame school building.
Owner—Paleto School District, H. E. Osborn, Clerk, Bakersfield.
Architect—H. E. Osborn, Bakersfield.
Certified check for 10% payable to Clerk required with each bid. Plans may be had from architect at Bakersfield.

CHOWCHILLA, Madera Co., Cal. — Until July 30, 10 a. m., bids will be received by C. C. McCollum, Clerk, Central School District, for constructing new Central school building. Specifications will be furnished by the Clerk on request.

MODESTO, Stanislaus Co., Cal. — Until August 1, 8 p. m., bids will be received by Walter K. Adams, Clerk, Belpassi School District, for constructing new school building, plans for which are on file in office of County Supt. of Schools at Modesto. Certified check for 10% required with each bid.

Commissioned to Prepare Plans.
SCHOOL Cost, $150,000
CAMPBELL, Santa Clara Co., Cal.
Group of fireproof high school bldgs.
Owner—San Thomas High School Dist.
Architect—W. H. Weeks, 75 Post St., San Francisco.
A bond election will be called for shortly.

Bids Opened and Rejected.
HEATING Cost, $——
ELK GROVE, Sacramento Co., Cal.
Heating system including complete oil burning equipment for one-story grammar school.
Owner — Elk Grove Union Grammar School District, J. H. Kerby, Clerk.
Architect—W. H. Weeks, 75 Post St., San Francisco.
The following bids were received on July 15th and rejected as being too high:
Scott Co., $2490 plus $820 for oil burner.
R. W. Sweet, $2445 plus $735 for oil burner.
Luppin & Hawley, $2497 plus $610 for oil burner.

PASADENA, Los Angeles County, Cal.—C. Karseboom, 850 Vine St., Pasadena, was the lowest bidder at $42,960 on the general contract; Alhambra Wall Paper & Paint Co., low on painting at $1797; South Pasadena Plumbing Co., low on plumbing at $3343; and the Potter-Strutz Radiator Co., low on the heating at $1293, for erecting a 1-story 8-room brick grade school bldg,

on Fremont St., South Pasadena, for the South Pasadena city school district. Hudson & Munsell, 443 Douglas Bldg. Los Angeles, are the architects.

SAN FRANCISCO—Until July 29, 10 a. m. bids will be received by M. R. Norris, Secretary, Board of Education, Room 278, City Hall, for furnishing and delivery approximately 750 high school desks. Specifications may be had from the Secretary.

Commissioned to Prepare Plans.
SCHOOL $49,000
BEAUMONT, Riverside Co., Cal.
Eight-room brick school.
Owner—Beaumont School District.
Architects—Wittmer & Watson, Wright & Callender Bldg., Los Angeles.
Bonds have been voted.

Figures to be Called For in a Few Days.
SCHOOL Cost, $125,000
OAKLAND, Alameda Co., Cal. Lockwood School Site.
One and two-story frame school building.
Owner—City of Oakland Board of Edcation.
Architect—Construction Department of Board of Education, 359 12th St., Oakland.

Plans Being Figured—Bids Close Aug. 2, 1921, 2 P. M.
SCHOOL Cost, $——
INGLEWOOD, Los Angeles Co., Cal. Jefferson School District, near Inglewood.
Hollow tile school (3 classrooms and an auditorium).
Owner—Jefferson School District, Jas. H. Beatteay, Clerk).
Architect—G. A. Howard Jr., 820 Story Bldg., Los Angeles.

CAPISTRANO, Orange Co., Cal.—Frank Hudson, Higgins Bldg., Los Angeles, was awarded a contract at $44,669 fod erecting a new high school building at Capistrano. Hollow tile construction, plaster exterior; auditorium and five classrooms. Theo. C. Kistner, San Diego, is the architect. The other bids received were: Schutt & Wagner, Capistrano, $44,990; Bowman & Preble, Santa Ana, $45,178; R. A. Jackson, San Diego, $46,670.48; Wilson & Beaver, Anaheim, $48,625; Miller & Eddleman, San Diego, $50,800, and Young & Beer, $61,000.

Contract Awarded.
ALTERATIONS Cost, $13,427
MADERA, Madera Co., Calif.
Alterations and additions for school.
Owner—Madera High School District, G. M. Shedd, Secretary, Madera.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Brown & Stafford, Madera.
Contract was awarded on following segregations: Props. 1 and 2, $9,780; electric work, $1,892; concrete work, $1,755.

Sketches Prepared.
SCHOOL Cost, $——
LIVERMORE, Alameda Co., Calif.
One-story interlocking tile school building (8 classrooms, auditorium, gymnasium, manual training, domestic science rooms, etc.)
Owner—Livermore Grammar School District.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Mr. Meyers has prepared preliminary plans for the bond issue which will be called in about two months.

LOS ANGELES, Cal.—Bavin & Burch Co., 173 E. Jefferson St., Los Angeles, submitted the lowest bid at $74,349, on general contract for a brick gymnasium building at Polytechnic high school. B. R. Hensel submitted lowest bid at $2575 on electric wiring; Thos. Haverty Co., lowest bid at $13,105 on heating; D. Zelinsky & Sons, lowest bid at $3750 on painting, and E. W. Crowell Co., lowest bid at $5945 on plumbing. All bids taken under advisement by Board of Education. Full list of bids received follows:

General Work—Bavin & Burch Co., $74,349; J. A. Hill Con. Co., $77,873; John B. Dawson, $79,870; W. A. Heitman Con. Co., $79,800; K. R. Bradley Con. Co., $80,700; T. Bennett, $93,975; Darrell Condley Co., $83,990; Walter Slater Co., $82,000; J. F. Kobler, $85,470.

Electric Wiring—B. R. Hensel, $2575; Renard-Stary Co., $2568; F. B. Potter Elec. Co., $2570; American Elec. Co., $3100.

Heating—Thos. Haverty Co., $13,105; J. Hokom, $13,384; Arthur Hess, $13,750; W. W. Brooks, $13,900; J. A. Nelson, $15,436.

Painting—D. Zelinsky & Sons, $3750; E. A. Lindgreen, $4848; Arenz-Warren Co., $4588; Alhambra W. P. & P. Co., $6895.

Plumbing—E. W. Crowell Co., $5945; W. W. Brooks, $6000; Thos. Haverty Co., $6797; J. Hokom, $6674; G. C. Sutton, $6252; H. E. Murray, $7038; Arthur

Plans Being Figured—Bids Close July 28, 1921.
SCIENCE BLDG. Cost, $32,000
WASCO, Kern Co., Cal.
Reinforced concrete science building.
Owner—Wasco High School District.
Architect—Eugene K. Martin, Arlington Bldg., Bakersfield.

Work Started.
SCHOOL Cost, $——
LIVINGSTON, Merced Co., Cal.
One-story school (6 rooms and an auditorium).
Owner—Livingston School District.
Architects—W. E. Bedesen, Merced and W. J. Wythe, Central Bank Bldg., Oakland.
Contractor—J. F. Carlson, Turlock.

Plans Completed.
ADDITION Cost, $11,000
DELANO, Kern Co., Cal.
Addition to school.
Owner—Delano Grammar School Dist.
Architect—Eugene K. Martin, Arlington Bldg., Bakersfield.

KING CITY, Monterey Co., Cal.—Until July 25, 12 noon, bids will be received by R. R. Allen, president, Board of Trustees of King City Union High School District, for installing a complete Fess system turbine fuel oil burning equipment to fire two hot air furnaces. Bid to include removing present equipment, installing new, including all necessary changes in pipe and electric work, completely rebricking both fire boxes, etc.

Separate bids will be considered on same date for furnishing and installing 1 5-h.p. 1800 rm. 3-phase 220-volt motor, direct connected to 2-in. horizontal centrifugal pump to operate against a head of 80 ft. producing 125 gals. per minute at maximum head. Pump to be equipped with No. 2 Douglas priming pump with necessary fittings; motor to be equipped with 5-h.p. automatic overload starting switch and entrance switch.

Contract Awarded.
SCHOOL Cost, $15,380
CLOVIS, Fresno Co., Cal. Six miles east of Clovis on Rudy Fig Farm.
One-story two-room concrete school tile roof, maple floors, hot water system.
Owner—Redbanks School District, G. E. McFaden, Clerk, P. O. Box 115, Clovis, California.
Architects—Cortes & Traver, Rowell Bldg., Fresno, Calif.
Contractors—Allen & Martin, Fresno.
The following bids were also received: General contract, Miller & Wyatt, Fresno, $13,258; plumbing and heating, Barrett Hicks Co., Fresno, $1,955 and B. A. Newman Co., $2352.

Contract Awarded.
SCHOOL Cost, $——
PORTERVILLE, Tulare Co., Calif.
School building.
Owner—Corcoran Grammar School Dist
Architects—Renfro & Michael, 1st National Bank Bldg., Porterville.
General Contract awarded to Barkelew & Gould of Tulare at $7,800. J. R. Knowl of Corcoran also submitted a bid at $8,000.
Plumbing—Harlock-Claw Co. of Bakersfield submitted the only bid at $805
No bids were received on the electrical work.

Plans Being Figured—Bids Close July 30, 1921, 8 P. M.
SCHOOL Cost, $51,000
ROSEVILLE, Placer Co., Calif.
Two-story hollow tile school (6 classrooms and an auditorium).
Owner—Roseville School District.
Architects—Geo. C. Sellon Co., Mitau Bldg., Sacramento.
Figures are being taken for segregated contracts and plans may be obtained from the architect's office on a deposit of $25.

Plans Being Figured—Bids Close Aug. 4, 1921, 8 p. m.
SCHOOL Cost, $——
SAN JOSE, Santa Clara Co., Willow Glen School Dist. Two-room school.
Owner—Willow Glen School District (May J. Worthen, Clerk).

Plans Being Figured—Bids Close Aug. 5, 1921, 7:30 p. m.
SCHOOL Cost, $——
SAN LUIS OBISPO, San Luis Obispo Co. One-story masonry and frame school(South End School).
Owner—San Luis Obispo School District (Ruth Merritt, Clerk).
Architect—Oroville L. Clark, Brower Bldg., Bakersfield.
Bids are being taken for a general contract.

STORES AND OFFICES

Contract Awarded.
STORE Cost, $37,000
LOS ANGELES, SW Sycamore Ave. & Hollywood Blvd.
One-story brick store bldg. 132x80.
Owner — Morris B. Newman, Wm. H Scheinman & Ben Schuchalter.
Architect — Walker & Eisen, Pacific Finance Bldg., L. A.
Contractor—Chris Thoren, 2132 Santee St., L. A.

Contract Awarded.
STORE Cost, $18,960
MADERA, Madera Co., Cal. Adjoining postoffice bldg.
Fireproof furniture store 50x150.
Owner—Durward Stephenson, Madera.
Lessee—Cunningham & White, Madera
Architect — Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Brown & Stafford, Madera
Contract includes all work except excavating, plumbing, sheet metal work, electric work and fixtures.

Segregated Figures To Be Taken Back Of This Week—Bids Now Being Taken for Wrecking Building.
STORE AND OFFICE BLDG.
Cost, $125,000.
VALLEJO, Solano Co., Cal., Georgia St. Bet. Sacramento and Main Sts.
Six-story Class "C" steel frame store and office building.
Owner—Fred Fisch [illegible]
Architect—[illegible] St., Vallejo

said bids to be for all work for said building complete.

Said building to be located on the site of the Tracy Grammar School on the south side of the railroad track.

All bids are to be for work according to plans and specifications which may be obtained at the office of Wright & Satterlee, Bank of Italy Bldg., Stockton, Cal., during business hours.

All bids must be accompanied by a certified check or certificate of deposit for Three Hundred ($300) Dollars made payable to Thos. Garner, Clerk of the Board of Trustees, and conditioned that the successful bidder shall enter into a contract in accordance with such bid, and file with said Board of Trustees an approved bond within six days after the acceptance of his bid which bonds shall be conditioned for the faithful fulfillment of the contract entered into and to be done thereunder and for the protection of all persons performing labor or furnishing material for the construction of said building.

In case the contractor shall fail to execute the required contract or furnish a bond acceptable to the Board within the six days due notice having been given him, then shall the contractor forfeit all claim to the said Three Hundred ($300) Dollars and it shall become the property of the Tracy School District.

All bids must be submitted upon forms obtained from the architect.

Contractor must make a deposit of Ten ($10) Dollars with the architects when taking plans and specifications from the office which amount will be returned to said contractor upon return of the plans in good condition to the office of the architect.

The Board reserves the right to reject any or all bids.

Dated July 12, 1921.

By order of the Board of Trustees,
BERTHA M. McGEE,
F. H. WESTLAKE,
THOS. GARNER.

NOTICE TO BIDDERS ON SCHOOL FURNITURE AND EQUIPMENT FOR THE NEW GARFIELD AND LINCOLN SCHOOLS

The Berkeley Board of Education of the City of Berkeley and of Berkeley School District of Alameda County, State of California, invites, and the undersigned will receive at his office, 2133 Allston Way, Berkeley, California, **up to the hour of 4 P. M., July 26th, 1921,** sealed proposals for furnishing school furniture and equipment for the new Garfield School, situated at Rose and Josephine Streets, and for the new Lincoln School, situated at Prince and King Streets, in the Berkeley School District, in accordance with plans and specifications now on file at the office of said Board of Education, 2133 Allston Way, Berkeley, California.

All bids must be sealed and addressed to the Secretary of the Board of Education, 2133 Allston Way, Berkeley, California, and must be accompanied by a certified check in the amount of ten per cent (10%) of the bid, payable to the Board of Education of the City of Berkeley and Berkeley School District.

All bids must be delivered to the Secretary of the Board of Education at his office, 2133 Allston Way, Berkeley, California, prior to the **hour of 4 o'clock P. M., Tuesday, July 26th, 1921.**

Bids will be opened by said Board of Education on Tuesday, July 26th, 1921, at or after the hour of 4:15 o'clock P. M., in the Board of Education rooms, 2133 Allston Way, Berkeley, California.

The Board reserves the right to reject any or all bids or any portion of any bid.

By order of the Board of Education of the City of Berkeley and Berkeley School District in the County of Alameda, State of California.

Dated June 14th, 1921.

CLYDE BLANCHARD,
Acting Secretary of Said Board of Education.

NOTICE TO ARCHITECTS

Notice is hereby given that in accordance with an order of the Board of County Commissioners of Washoe County, Nevada, entered on the 16th day of July, 1921, plans, specifications and detailed drawings will be received by the said Board for the erecting and constructing of an Isolation Hospital, near the present County Hospital, for a sum not to exceed $25,000.

Said specifications to include plan for heating, electric wiring, gas piping, plumbing and telephone wiring.

Said plans and specifications shall be filed with E. H. Beemer, County Clerk, at his office in the Court House not later than **12:00 o'clock noon, Monday, August 1, 1921.**

E. H. BEEMER,
County Clerk. (tf)

BIDS WANTED FOR PAINTING SCHOOL

NOTICE TO BIDDERS

SAN LORENZO, Alameda Co., Cal.—Pursuant to a resolution duly passed by the Board of Trustees of the San Lorenzo School District, I was instructed to ask for bids for painting the exterior of the school building of said district.

Bids for this work will be received up to and including Monday, August 8, 1921, by the said Clerk of said Board, and must be made in conformity to and based on the specification adopted by said Board. A copy of which specifications will be forwarded by the Clerk of said Board by request.

(Signed) R. P. KING,
Clerk of the Board of Trustees of San Lorenzo School District.

SCHOOLS

(Continued from Page 12)

REEDLEY, Fresno Co., Cal.—The following bids were received on July 16, 1921, by the Trustees of the Great Western Grammar School District for the construction of a new school building to be erected near Reedley from plans prepared by Architect Anton Johnson of Kingsburg. Contracts were awarded on five of the ten segregations.

Contract No. 1.—For the excavating, concrete, carpenter work, millwork, etc.:

	A	B
P. Andy Nielsen	$29,715	$825
Squire Cooper	27,268	430
Barkelew & Gould	23,909	336
	C	D
P. Andy Nielsen	$3619	$1570
Squire Cooper	1900	1000
Barkelew & Gould	2164	455

Contract awarded to Barkelew & Gould of Fresno.

Contract No. 2.—For masonry work and terra cotta:

	A	B
Paul Kindler	$13,536	$1443
A. Seablom	13,400	1400
F. F. Smith	10,675	1560
Barkelew & Gould	13,780	800

Contract No. 3.—For all sheet metal work:

	A	B
Ruth Ringleman	$1150	$75
L. F. Tegelberg	1937	50

Contract awarded to Ruth Ringleman.

Contract No. 4.—For composition roofing:

	A	B
C. E. McMullin	$523	$118
Valley Lumber Co	550	....
Fresno Roof & Paint Co.	585	....

Contract awarded to C. E. McMullin.

Contract No. 5.—For lathing and plastering:

	A	B	C
Chas. Thollander	$4950	$450	$1497

Contract No. 6.—For furnishing and placing of blackboards:

	A	B
C. F. Weber Co.	$339.60	$85

Contract awarded to C. F. Weber Co. of San Francisco.

Contract No. 7.—For the painting:

	A	B
Frisk & Swanson	$2390	$350
C. M. Johnson	2285	110
	C	D	E
Frisk & Swanson	$1990	$450	....
C. M. Johnson	310	610	$40

Contract No. 8.—For plumbing and sewering:

Dewin Magnuson	$4250.00
B. A. Newman	3562.00
Valley Plumbing Co.	3128.10
Mechanical Engineering & Sup.	3647.00
L. L. Brown	3304.16

Contract No. 9.—For electrical work:

	A	B	C
Reedley Elec. Wks.	$1800	....	....
Elec. Const. Co.	2180	$50	$2100
Fowler Bros.	2890	160	....

Contract No. 10.—For the heating and ventilating:

	A	B
B. A. Newman	$2833	$200
Mech. Eng. & Sup. Co.	2352	115
W. K. Nottingham	2797	297

Contract awarded to Mechanical Eng. & Sup. Co. of Sacramento.

Bids have been taken under advisement for the masonry, lathing and plastering, painting, plumbing and electrical work.

Plans Being Figured—Bids Close Aug. 1, 3 p. m.
SCHOOL Cost, $——
BAKERSFIELD, Kern Co., Cal.
Frame school building.
Owner—Paleto School District, H. E. Osborn, Clerk, Bakersfield.
Architect—H. E. Osborn, Bakersfield.

Certified check for 10% payable to Clerk required with each bid. Plans may be had from architect at Bakersfield.

CHOWCHILLA, Madera Co., Cal. — Until July 30, 10 a. m., bids will be received by C. C. McCollum, Clerk, Central School District, for constructing new Central school building. Specifications will be furnished by the Clerk on request.

MODESTO, Stanislaus Co., Cal. — Until August 1, 8 p. m., bids will be received by Walter K. Adams, Clerk, Belpassi School District, for constructing new school building, plans for which are on file in office of County Supt. of Schools at Modesto. Certified check for 10% required with each bid.

Commissioned to Prepare Plans.
SCHOOL Cost, $150,000
CAMPBELL, Santa Clara Co., Cal.
Group of fireproof high school bldgs.
Owner—San Thomas High School Dist.
Architect—W. H. Weeks, 75 Post St., San Francisco.

A bond election will be called for shortly.

Bids Opened and Rejected.
HEATING Cost, $——
ELK GROVE, Sacramento Co., Cal.
Heating system including complete oil burning equipment for one-story grammar school.
Owner — Elk Grove Union Grammar School District, J. H. Kerby, Clerk.
Architect—W. H. Weeks, 75 Post St., San Francisco.

The following bids were received on July 15th and rejected as being too high:

Scott Co., $2490 plus $820 for oil burner.

R. W. Sweet, $2445 plus $735 for oil burner.

Luppin & Hawley, $2497 plus $610 for oil burner.

PASADENA, Los Angeles County, Cal.—C. Karseboom, 850 Vine St., Pasadena, was the lowest bidder at $42,960 on the general contract; Alhambra Wall Paper & Paint Co., low on painting at $1797; South Pasadena Plumbing Co., low on plumbing at $3343; and the Potter-Strutz Radiator Co., low on the heating at $1293, for erecting a 1-story 8-room brick grade school bldg,

on Fremont St., South Pasadena, for the South Pasadena city school district. Hudson & Munsell, 443 Douglas Bldg. Los Angeles, are the architects.

SAN FRANCISCO—Until July 29, 10 a. m. bids will be received by M. R. Norris, Secretary, Board of Education, Room 278, City Hall, for furnishing and delivery approximately 750 high school desks. Specifications may be had from the Secretary.

Commissioned to Prepare Plans.
SCHOOL $49,000
BEAUMONT, Riverside Co., Cal.
Eight-room brick school.
Owner—Beaumont School District.
Architects—Witmer & Watson, Wright & Callender Bldg., Los Angeles.
Bonds have been voted.

Figures to be Called For in a Few Days.
SCHOOL Cost, $125,000
OAKLAND, Alameda Co., Cal. Lockwood School Site.
One and two-story frame school building.
Owner—City of Oakland Board of Education.
Architect—Construction Department of Board of Education, 359 12th St., Oakland.

Plans Being Figured—Bids Close Aug. 2, 1921, 2 P. M.
SCHOOL Cost, $——
INGLEWOOD, Los Angeles Co., Cal. Jefferson School District, near Inglewood.
Hollow tile school (3 classrooms and an auditorium).
Owner—Jefferson School District, Jas. H. Beatteay, Clerk).
Architect—G. A. Howard Jr., 820 Story Bldg., Los Angeles.

CAPISTRANO, Orange Co., Cal.—Frank Hudson, Higgins Bldg., Los Angeles, was awarded a contract at $44,669 fod erecting a new high school building at Capistrano. Hollow tile construction, plaster exterior; auditorium and five classrooms. Theo. C. Kistner, San Diego, is the architect. The other bids received were: Schutt & Wagner, Capistrano, $44,990; Bowman & Preble, Santa Ana, $45,178; R. A. Jackson, San Diego, $46,670.48; Wilson & Beaver, Anaheim, $48,625; Miller & Eddleman, San Diego, $50,800, and Young & Beer, $61,000.

Contract Awarded.
ALTERATIONS Cost, $13,127
MADERA, Madera Co., Calif.
Alterations and additions for school.
Owner—Madera High School District, G. M. Shedd, Secretary, Madera.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Brown & Stafford, Madera.
Contract was awarded on following segregations: Props. 1 and 2, $9,780; electric work, $1,892; concrete work, $1,755.

Sketches Prepared.
SCHOOL Cost, $——
LIVERMORE, Alameda Co., Calif.
One-story interlocking tile school building (8 classrooms, auditorium, gymnasium, manual training, domestic science rooms, etc.)
Owner—Livermore Grammar School District.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Mr. Meyers has prepared preliminary plans for the bond issue which will be called in about two months.

LOS ANGELES, Cal.—Bavin & Burch Co., 173 E. Jefferson St., Los Angeles, submitted the lowest bid at $74,349, on general contract for a brick gymnasium building at Polytechnic high school. E. R. Hensel submitted lowest bid at $2575 on electric wiring; Thos. Haverty Co., lowest bid at $13,105 on heating; D. Zelinsky & Sons, lowest bid at $3750 on painting, and E. W. Crowell Co., lowest bid at $5945 on plumbing. All bids taken under advisement by Board of Education. Full list of bids received follows:

General Work—Bavin & Burch Co., $74,349; J. A. Hill Con. Co., $77,873; John B. Dawson, $79,870; W. A. Heitman Con. Co., $79,800; K. R. Bradley Con. Co., $80,700; T. Bennett, $93,975; Darrell Condley Co., $83,990; Walter Slater Co., $82,000; J. F. Kobler, $85,470.

Electric Wiring—B. R. Hensel, $2575; Renard-Stary Co., $2568; F. B. Potter Elec. Co., $2570; American Elec. Co., $3100.

Heating—Thos. Haverty Co., $13,105; J. Hokom, $13,384; Arthur Hess, $13,750; W. W. Brooks, $13,900; J. A. Nelson, $15,436.

Painting—D. Zelinsky & Sons, $3750; E. A. Lindgreen, $4848; Arenz-Warren Co., $4588; Alhambra W. P. & P. Co., $6995.

Plumbing—E. W. Crowell Co., $5945; W. W. Brooks, $6000; Thos. Haverty Co., $6797; J. Hokom, $6674; G. C. Sutton, $6252; H. E. Murray, $7038; Arthur

Plans Being Figured—Bids Close July 28, 1921.
SCIENCE BLDG. Cost, $32,000
WASCO, Kern Co., Cal.
Reinforced concrete science building.
Owner—Wasco High School District.
Architect—Eugene K. Martin, Arlington Bldg., Bakersfield.

Work Started.
SCHOOL Cost, $——
LIVINGSTON, Merced Co., Cal.
One-story school (6 rooms and an auditorium).
Owner—Livingston School District.
Architects—W. E. Bedesen, Merced and W. J. Wythe, Central Bank Bldg., Oakland.
Contractor—J. F. Carlson, Turlock.

Plans Completed.
ADDITION Cost, $11,000
DELANO, Kern Co., Cal.
Addition to school.
Owner—Delano Grammar School Dist.
Architect—Eugene K. Martin, Arlington Bldg., Bakersfield.

KING CITY, Monterey Co., Cal.—Until July 25, 12 noon, bids will be received by R. R. Allen, president, Board of Trustees of King City Union High School District, for installing a complete Fess system turbine fuel oil burning equipment to fire two hot air furnaces. Bid to include removing present equipment, installing new, including all necessary changes in pipe and electric work, completely rebricking both fire boxes, etc.

Separate bids will be considered on same date for furnishing and installing 1 5-h.p. 1800 rm. 3-phase 220-volt motor, direct connected to 2-in. horizontal centrifugal pump to operate against a head of 80 ft. producing 125 gals. per minute at maximum head. Pump to be equipped with No. 2 Douglas priming pump with necessary fittings; motor to be equipped with 5-h.p. automatic overload starting switch and entrance switch.

Contract Awarded.
SCHOOL Cost, $15,380
CLOVIS, Fresno Co., Cal. Six miles east of Clovis on Rudy Fig Farm.
One-story two-room concrete school tile roof, maple floors, hot water system.
Owner—Redbanks School District, G. E. McFaden, Clerk, P. O. Box 115, Clovis, California.
Architects—Coates & Traver, Rowell Bldg., Fresno, Calif.
Contractors—Allen & Martin, Fresno.
The following bids were also received: General contract, Miller & Wyatt, Fresno, $13,258; plumbing and heating, Barrett Hicks Co., Fresno, $1,955 and B. A. Newman Co., $2352.

Contract Awarded.
SCHOOL Cost, $——
PORTERVILLE, Tulare Co., Calif.
School building.
Owner—Corcoran Grammar School Dist
Architects—Rentro & Michael, 1st National Bank Bldg., Porterville.
General Contract awarded to Barkelew & Gould of Tulare at $7,800. J. R. Knowl of Corcoran also submitted a bid at $8,000.
Plumbing—Harlock-Claw Co. of Bakersfield submitted the only bid at $805
No bids were received on the electrical work.

Plans Being Figured—Bids Close July 30, 1921, 8 P. M.
SCHOOL Cost, $51,000
ROSEVILLE, Placer Co., Calif.
Two-story hollow tile school (6 classrooms and an auditorium).
Owner—Roseville School District.
Architects—Geo. C. Sellon Co., Mitau Bldg., Sacramento.
Figures are being taken for segregated contracts and plans may be obtained from the architect's office on a deposit of $25.

Plans Being Figured—Bids Close Aug. 4, 1921, 8 p. m.
SCHOOL Cost, $——
SAN JOSE, Santa Clara Co., Willow Glen School Dist. Two-room school.
Owner—Willow Glen School District (May J. Worthen, Clerk).

Plans Being Figured—Bids Close Aug. 5, 1921, 7:30 p. m.
SCHOOL Cost, $——
SAN LUIS OBISPO, San Luis Obispo Co. One-story masonry and frame school(South End School).
Owner—San Luis Obispo School District (Ruth Merritt, Clerk).
Architect—Oroville L. Clark, Brower Bldg., Bakersfield.
Bids are being taken for a general contract.

STORES AND OFFICES

Contract Awarded
STORE Cost, $37,000
LOS ANGELES, SW Sycamore Ave. & Hollywood Blvd.
One-story brick store bldg. 132x80.
Owner — Morris B. Newman, Wm. H Scheinman & Ben Schuchalter.
Architect — Walker & Eisen, Pacific Finance Bldg., L. A.
Contractor—Chris Thoren, 2132 Santee St., L. A.

Contract Awarded.
STORE Cost, $18,960
MADERA, Madera Co., Cal. Adjoining postoffice bldg.
Fireproof furniture store 50x150.
Owner—Durward Stephenson, Madera
Lessee—Cunningham & White, Madera
Architect — Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Brown & Stafford, Madera
Contract includes all work except excavating, plumbing, sheet metal work, electric work and fixtures.

Segregated Figures To Be Taken End Of This Week—Bids Now Being Taken for Wrecking Building
STORE AND OFFICE BLDG
Cost, $125,000.
VALLEJO, Solano Co., Cal., Georgia St. Bet. Sacramento and Main Sts.
Six-story Class "C" steel frame store and office building.
Owner—Fred Fisher, [illegible]
Architect—Chas. L. Peter, [illegible] St., Vallejo.

Bids are now being taken for razing the present building and will be opened July 25th. Plans may be seen at Mr. Perry's office.

Commissioned To Prepare Plans
OFFICE BLDG. Cost, $100,000
OAKLAND. SW 15th and Broadway. Two-story and basement class "A" office building (terra cotta and granite exterior).
Owner—Oakland Title Ins. & Guarantee Co., 1308 Broadway, Oakland.
Architect—M. I. Diggs, 1108 Easton Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.
The foundation is to be of sufficient strength so as to carry eight additional stories at some future date.

Contract Awarded
STORE Cost, $20,000
SAN FRANCISCO. N Sutter 70-6 W Mason. One-story concrete store building.
Owner—Laurence A. Meyers.
Architect—Sam Lightner Hyman, Foxcroft Bldg., S. F.
Contractor—O. W. Britt, 1115 Scott St.

Plans Being Figured
STORE & LOFT BLDG. Cost, $350,000
SEATTLE, Wash. Sixth Ave. near Pine St. Four-story and basement steel and concrete store and loft building, 180 x 120.
Owner—Louisa C. Frye.
Architect—Henry Bittman, Securities Bldg., Seattle.
Figures are being taken for the general contract only. Later bids will be taken for the sub-contracts.

Figures To Be Taken Shortly
FIREPROOF BLDG. Cost, $——
VALLEJO, Solano Co., Cal. Virginia St., adjoining Vallejo Theatre. 3 story fireproof building.
Owner—Isadore Meyer, Vallejo.
Architect—Bernard J. Joseph, Call Bldg., S. F.

Plans Being Prepared.
DEPARTMENT STORE Cost, $——
LONG BEACH, Los Angeles Co., Cal. Pine Ave. near Broadway.
Five-story reinforced concrete Class A department store building, 75x 140.
Owner—Buffums Department Store.
Architect—W. Horace Austin, 221 First National Bank Bldg., Long Beach.

THEATRES

Contract Awarded.
THEATRE Cost, $33,000
ALHAMBRA, Los Angeles Co., Cal.
Brick & terra cotta motion picture theatre 60x150.
Owner—Walter Temple.
Lessee—O. H. Schleusner.
Architect—Walker & Eisen, 326 Pacific Finance Bldg., L. A.
Contractor—Darrell Condley Co., 520 Marsh-Strong Bldg., L. A.

Sub Figures Being Taken
THEATRE BUILDING Cost——
WESTERN AVE. & SIERRA VISTA St., Los Angeles, Cal. Class A reinforced concrete theatre bldg., (1200 seats, 3 stores, 6 offices and 26 apartment rooms).
Owner—Jas. M. Daley.
Architect and Contractor—Fritz & Hasenberger, 607 Chamber of Commerce Bldg., Los Angeles, Cal.

PORTLAND, Ore.—Architects Claussen & Claussen, Macleay Bldg., taking figures for 1-story hollow tiles (5) stores and theatre building for V. A. Crum at 52nd St. and Sandy Blvd. Estimated cost, $25,000.

Working Drawings Being Prepared.
THEATRE Cost, $100,000
HAYWARD, Alameda Co., Cal. Castro Street.
Two-story reinforced concrete motion picture theatre, (3 stores and 12 offices.
Owner—Chas. W. Heyer, Hayward.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Plans will be ready for figures in about two months.

Contract Awarded
THEATRE Cost, $30,980
LONG BEACH, L. A. Co., 1039 American Ave. Two-story brick moving picture theatre and office building.
Owner—Grand Investment Co.
Lessees—Joe Z. Frank, Z. C. Angevin and Graff Bros.
Architect—W. Horace Austin, First Natl. Bank Bldg., Long Beach.
Contractor—C. T. McGrew & Son, 1345 W. Ocean Ave., Los Angeles.

CALIFORNIA WEEKLY BANK CLEARINGS

Bank clearings, as reported to the California Development Board by the several clearing house cities for the week ending July 14, 1921, showing the amount of increase or decrease from the amount reported the corresponding week last year:

		Decrease
San Francisco	$128,800,000	$30,900,000
Los Angeles ..	35,234,000	*4,994,000
Oakland	11,160,041	316,663
Sacramento ..	6,324,595	*361,411
Fresno	3,568,912	457,584
San Jose.....	1,775,060	800,651
Pasadena	3,467,304	*1,273,242
Long Beach...	3,918,420	*1,054,085
Santa Rosa ...	467,305	14,069
Whittier	521,982	.....
Modesto	667,032	400,368
San Bernardino	1,491,226	.....

*Increase

BRAZILIAN TRADE NOTES

[Prepared by the Latin American Division of the Bureau of Foreign and Domestic Commerce.]

Municipal Loan for Reclamation Work

The perfect of Rio de Janeiro has authorized a credit of 30,000,000 milreis to finance the removal of the Morro de Castello and the reclamation of part of the bay. The land thus made will be available for the repayment of the loan. The American embassy is informed that the Banco-Hollandez will negotiate the sum.

Catalogues Wanted

A survey of the library of the office of the commercial attache at Rio de Janeiro reveals the fact that most of its American catalogues are too old to have much value, only catalogues of machinery, machine tools, and construction machinery being recent enough to retain. Any catalogues of other lines of goods that are received will be displayed in a prominent place in the office and utilized to the fullest.

Importations of Cement into Bahia, Brazil

The normal requirements of cement for the Bahia consular market district are between 35,000 and 50,000 barrels per year, the bulk of this amount being consumed by the Bahia port works and the French, British, and Bahia State-owned railways. The importations during the year 1920 amounted to 35,371 barrels of 396 pounds each, as compared with 59,181 barrels for 1919 and 15,255 barrels for the preceding year. The record year for cement importations was 1914, when 72,692 barrels were imported.

Importations of Cement into Porto Alegre

Leading importers of cement in Porto Alegre, Brazil, have informed Consul Samuel T. Lee that the normal requirements of that market are estimated at between 150,000 and 200,000 barrels of 150 kilos each (a kilo equals 2.2 pounds). At present considerable British cement is being sold at Porto Alegre, where the British hold advantage both as to price and long standing in the market, their product being represented by their own well-established firms, while American sales are usually in the hands of other nationals.

RESIDENCES COMPRISE THIRD OF BUILDING

Contracts awarded during the first half of 1921 in the 27 northeastern states of the country amounted to $1,066,256,000, according to statistics collected by the F. W. Dodge Company. This amount is 9½% greater than the average semi-annual total for the preceding 5 years. Classification of construction activities is a very good index of the business and economic situation in that territory. Residential building comprises 34% of the total for the six months of 1921; public works and utilities 23%; business buildings 13½%; educational buildings 10% and industrial buildings 8%. The large percentage of residential work indicates the great urgency of housing and the large percentage of public work reflects the efforts to take up the slack in labor resulting from depression in industrial lines.

Contracts awarded in the 27 northeastern states in June aggregated $227,711,000, which is 6% less than in May. This slight recession is attributed largely to price and wage readjustments which have been accompanied by suspension of work in many instances and have had a tendency to deter prospective bidders from closing contracts. Reports from the east indicate that the tide in business has turned upward, but a gradual rather than a quick return to normal prosperity is to be expected, and the trend of building will probably follow the line of general business improvement.

AS OUR NEIGHBORS SEE US

The Santa Cruz ——— of July 20, says:

"Further reductions in building costs have been recorded in the last 30 days, according to builders and contractors in various sections of the West. Lumber, which has made the biggest slump of all building materials, is now selling in the Northwest at prices representing approximately a 50 per cent reduction over 1920 prices. Labor costs have likewise been materially reduced.

"Plumbing, plastering, brick and concrete work, excav., paints and painting, heating and all other major items entering into the cost of home building, show a decided drop, ranging from 10 to 50 per cent, material men and builders say.

"Real estate, in many sections, is lower than it has been for some years.

"Due to refusal of building trades organizations in San Francisco to consider a 7½ per cent reduction in wages a strike has resulted which has caused construction stagnation and unemployment in that city, while other sections of the country have shown increasing activity.

"Labor costs must drop with material costs, or labor will be out of employment. The San Francisco situation is an object lesson by which the whole West should profit."

An Illinois inventor has combined with a heavy duty snowplow for railroads a device that cleans the rails and enables locomotive and care wheels to get good traction.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SACRAMENTO, Cal. — The Chamber of Commerce will request the City Commissioners to appropriate $25,000 to make a survey preparatory to building a ship canal from Sacramento to deep water.

SONORA, Tuolumne Co., Cal. — The County Engineer, Robt. Thom, preparing plans for a reinforced concrete bridge across the South Fork of the Stanislaus River at Italian Bar.

YREKA, Siskiyou Co., Cal. — Until August 1, 10 a. m., bids will be received by W. J. Neilon, County Clerk, for constructing a bridge over Scott River at the Goodale crossing in Scott River road district, and a bridge over Hovenden slough at Griffen Lane.

OROVILLE, Butte Co., Cal.—County Engineer H. H. Hume completes plans for a 100-ft. concrete pile bridge over Kusel slough, the low approach to the Gianella bridge. The structure will probably be constructed by the county under force account.

PORTLAND ,Ore.—In addition to other projects, previously voted, the State Highway Commission will consider bids on July 28 for constructing two bridges in Union County on the Hot Lake-Union road over Catherine creek involving approximately 230 cu. yds. of Class A concrete; 19,000 lbs. metal reinforcement; 55,000 lbs. structural steel erection; 90 lineal feet of handrail, and 500 cubic yards of excavation. Structural steel, reinforcing steel and cement will be furnished by Union County.

SAN LUIS OBISPO, Cal.—Until 10 A. M., August 2, bids will be received by supervisors of San Luis Obispo County for constructing reinforced concrete bridge over Estrella river on the state highway. Plans and specifications may be obtained from County Engineer Warren B. Burch on payment of $3.

FRESNO, Fresno Co., Cal.—County Highway Engineer Chris. P. Jensen completes specifications for repairing three bridges east of the truss bridge on the Centerville road, estimated to cost, $1,750, $2,500 and $1,250 respectively. Repairs to the bridge across the Kings river south of Laton will cost $4,500.

SUNNYVALE, Santa Clara Co., Cal.—Until August 10, 2:30 P. M., bids will be received by the South Shore Port Co. Sunnyvale, for dredging a canal and turning basis, according to specifications of Henry B. Fisher, engineer. Bond of 25% of contract price required of successful bidder. Specifications may be had from C. L. Stowell, Sunnyvale.

SAN PEDRO, Cal.—Southwestern Shipbuilding Co. is making test borings for a slip to be dredged on its property at East San Pedro for a 12,000-ton floating drydock. A dock already built will be brought here from San Francisco and will be operated by the Southwestern Shipbuilding Co. in conjunction with the Bethlehem Shipbuilding Co.

HOLLISTER, San Benito Co., Cal.—Supervisors approve plans for steel and concrete bridge over Tres Pinos Creek at junction crossing on T. G. Hester place, about 6 mi. south of Hollister. Structure will be 240 ft. long; 18 ft. wide; 3-span, each 80 ft. Estimated cost between $20,000 and $25,000.

HANFORD, Kings Co., Cal.—Roy May, County Surveyor, instructed to prepare plans for a reinforced concrete bridge across Kings River on the Coalinga sector of the State highway, west of Lemoore.

LOS ANGELES, Cal.—Until August 22, 11 a. m., bids will be received by U. S. Engineer Office, 725 Central Bldg., Los Angeles, for dredging in Los Angeles harbor, on the east side of the entrance channel, at San Pedro.

SACRAMENTO. — John G. Leibert, 5050 Geary St., San Francisco, at $9437 awarded contract by State Highway Commission to construct a bridge in Lassen County, across Susan River near Johnstonville, 96 ft. long, consisting of 3 reinforced concrete girder spans, each 32 ft. long, on reinforced concrete bents supported on wooden piles, involving 110 cu. yds. excavation without classification; 165 cu. yds. Class A concrete; 832 lin. ft. wooden piles. The commission to furnish steel and cement.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Cal. — Until August 5, 10 a. m., bids will be received by Anna Sorenson, Secretary of Turlock Irrigation District, for furnishing and delivering 50,000 bbls. of Portland cement, f. o. b. cars Hetch Hetchy Junction, Sierra Railway. Delivery to begin with about 2 cars daily during September and October, 1921, and thereafter at a rate of two to five cars daily. Certified check for 5% required with each bid.

LOS ANGELES, Cal.—The Enterprise Brass Foundry Co., 968 McGarry St., submitted the lowest bid at $19,579, for furnishing sluice gates for Devil's Gate dam. Other bids received by Board of Supervisors were: J. Hendy Iron Works, $19,850; Llewellyn Iron Works, $24,567; W. B. Kyle, $25,110; Baker Iron Works, $25,570; Fulton Engine Works, $26,550; Water Works Supply Co., $26,190. Bids taken under advisement.

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LIGHTING SYSTEMS

INGLEWOOD, Los Angeles Co., Cal.—The proposed ornamental lighting system on portions of Market, Commercial, Regent and Queen Sts., for which a resolution of intention has been adopted, will involve 86 lighting posts, single round globes; 250 C. P. 6.6 amp. Mazda lamps, potheads, sockets and concrete foundation; 9089 ft. ¾-in., 3455 ft. 1-in. and 211 ft. 1¼-in. Sherardized conduit and 15,500 ft. varnished, cambric lead cable. Arthur W. Cory, City Engineer.

SAN JUAN, San Benito Co., Cal.—Town Trustees enter into contract with the Coast Counties Gas & Electric Co., to install street lighting stytem.

CARMICHAEL, Sacramento Co., Cal.—Plans have been started to call an election to vote bonds of $30,000 to finance installation of a lighting system.

MACHINERY

PASADENA, Cal.—W. E. Baxter has been awarded a contract by the Trustees for an $8500 street sweeper.

SAN JOSE, Santa Clara Co., Cal.—Until August 1, 11 a. m. bids will be received by Henry A. Pfeister, County Clerk, for fur. and del. one used 3 1-2 four ton Fageol truck, also one used 45 h. p. Yuba tractor.

FRESNO, Fresno Co., Cal.—County Surveyor Chris. P. Jensen requests Supervisors to appropriate $110,000 for highway maintenance and purchase of equipment, including two trucks, a roller, four graders and a tractor.

MERCED, Merced Co., Cal.—Supervisors lease county road building equipment to Bates-Rogers Construction Co., contractors for the Los Banos highway. Contractors will pay $15,000 for use of same.

WOODLAND, Yolo Co., Cal. — Until August 1, 5 p. m., bids will be received by J. H. Laugenour, City Clerk, for furnishing and delivering one motor and pump complete. Specifications may be seen at the office of Clerk.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, Clerk, appropriates $8466 to cover the purchase of a 20-in. centrifugal dredging pump, driving shaft, main and thrust bearings, including patterns, for hydraulic dredge

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

BAKERSFIELD, Kern Co., Cal.—The City Council, V. Van Riper, Clerk, passes resolution of intention to improve portions of L and K St. by constructing concrete curbs, gutters and sidewalks. Imp. Act 1911. E. H. Hubbard, City Engineer.

YUBA CITY, Sutter Co., Cal.—Until August 2, 11 a. m., bids will be received by Albert W. Brown, County Clerk, for furnishing materials and constructing the following county highway units: Nuestro-Terra Buena Road, 1.30 miles, Nuestro Lateral, 0.50 miles, Sanders Lateral, 1.28 miles, Pease Lateral, 1.28 miles, totaling 4.36 miles; to be paved with asphaltic macadam (alternative A) or Butte House Rock (Alternative B), 15 ft. wide, involving 4.36 miles grading; 5 cu. yds. concrete (culvert headwalls); 100 lin. ft. corrugated metal pipe; 7200 tons crushed rock base course, Alternative A; 40,000 sq. yds. asphaltic wearing surface, Alternative A; 200 lin. ft. standard guardrail; 9000 cu. yds. Butte House Rock, Alternative B; 7200 tons 2-in. crushed rock, Alternative A; 1250 tons ¾-in. crushed rock, Alternative A. County will furnish concrete aggregate, cement, reinforcing steel, corrugated metal pipe and crushed rock.

Separate bids will be received on same date for furnishing materials and constructing the Tahoe-to-Ukiah highway from Yuba City west city limits to Live Oak road, a distance of 0.52 miles, to be paved with reinforced concrete 15 ft. wide, 5-in. thick. Project involves 1000 cu. yds. excavation; 650 cu. yds. reinforced concrete pavement; 2 cu. yds. concrete headwalls; 60 lin. ft. 12-in. corrugated metal pipe; 100 lin. ft. guardrail.

Separate bids on same date for paving portion of C and B Sts. from Engineer's Station O+40 to 2+8. Certified check for 10% required with each bid. Plans may be had from County Engineer Edw. Von Geldern.

SAN ANSELMO, Marin Co., Cal. — Petitions received by Town Trustees seeking improvement of Medway road and Maple Ave. Town Engineer, C. C. Kennedy, 58 Sutter St., San Francisco, reported the completion of specifications for street improvements in the Barber Tract. It is expected a call for bids will be issued shortly.

SAN FRANCISCO.—Until August 3, 3 p. m., bids will be received by Board of Public Works for improving Folsom St. bet. Ogden and Tompkins Aves. by grading, constructing concrete curbs and artificial stone sidewalks, brick catchbasins, 10-in. vitrified pipe culverts; and constructing concrete and asphaltic concrete pavements. M. M. O'Shaughnessy, City Engineer.

BAKERSFIELD, Kern Co., Cal. — Until August 1, 5 p. m., bids will be received by V. Van Riper, City Clerk, for constructing concrete curbs and sidewalks in California Ave. bet. F and M Sts. Separate bids will be received on same date for similar improvements in Baker St. bet. Main and Grace Sts. Imp. Act. 1911. Certified check for 10% payable to City required. Plans may be had from R. H. Hubbard, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—Hutchinson Co., 444 17th St., Oakland, at $4,733.60, awarded contract by Supervisors for building oil macadam shoulders and gutters in Main street, Bay Point. Only other bidder, Kopperud & Heafey, $5526. R. R. Arnold, County Engineer.

MARTINEZ, Contra Costa Co., Cal.—California Corrugated Culvert Co., 10th and Bryant streets, San Francisco, awarded contract by Supervisors for furnishing and delivering corrugated iron culvert pipe for use on the county highway system. R. R. Arnold, County Engineer.

PETALUMA, Sonoma Co., Cal.—Council planning expenditure of $40,000 for street improvements; $25,000 for permanent improvements; $15,000 for repairing. It is proposed to improve Howard and Sixth streets from Stanley to C, oil macadam; Liberty from Western avenue to Sixth, repaired with oil macadam specifications; Western avenue from Baker to the city limits with oil macadam. City Engineer N. S. Frost has been instructed to prepare specifications for a concrete pavement in Bodega avenue from city limits on the west to present concrete pavement in that street; also in D street from Second street to Hopper.

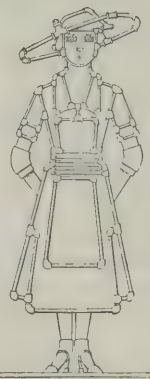
SAN JOSE, Santa Clara Co., Cal.—W. I. McReynolds, Hollister, at $11,979 submits only bid to Supervisors for improving Story road in Supervisor Dist. No. 2. Engineer's estimate $11,800. Bid rejected and County Engineer Irving L. Ryder instructed to proceed with work.

SEATTLE, Wash.—Bid of Fiorito Bros., Seattle, at $223,463 for paving 15th ave., N. W. and other streets rejected by Board of Public Works and new bids will be opened July 30.

VISALIA, Tulare Co., Cal.—Trustees order resolution of intention passed to pave E. Mineral Ave., King from Court St. to the city limits, NE. 3rd Ave., NW. 3rd Ave., N. West St. from NW. 3rd Ave. to the Dinuba highway and N. Court St. around the Lincoln School. Bids were ordered called for constructing sewer extensions for which the city voted bonds of $110,000. Bids for the work will probably be opened August 15.

SACRAMENTO, Cal.—City Commissioners, M. J. Desmond, Clerk, pass res. of int. to improve Catala Way from manhole in place in Stockton Boul., to east line of Ford's Addition by constructing an 8-inch. vit. pipe sewer with 17 six inch vit. wye branches, one 6-inch vit. flusher branch. Imp Act 1911. Protests will be heard August 4. Albert Givan, City Engineer.

OAKLAND, Cal.—City Council passes res. of int. to improve portions of Rosedale, East 17th and East 18th sts., involving 25,211 square feet grading, 1,535 line feet concrete curb, 3,291 square feet concrete gutter, 21,788 square feet oil-macadam pavement. Geo Mattis, City Engineer.



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SACRAMENTO, Cal.—Until July 28, 9 P. M., bids will be received by W. J. Desmond, City Clerk, for improving San Jose Way from Fourth to Eighth avenues, by grading, constructing concrete curbs and gutters, 2 concrete manholes, reconstructing 2 existing manholes, placing 10 cast iron gutter drains and connecting same to 6-in. vitrified sewer pipe; constructing 8-in. vitrified pipe sewer, approximately 62 sq. ft. of concrete sidewalk and paving the street with an asphaltic concrete pavement 5½-in. thick.

Separate bids will be received on the same date for improving Markham Way from Freeport Boulevard to W. P. right-of-way by grading, constructing concrete curb and gutter, placing 2 cast iron gutter drains and connecting same to 6-in. vitrified sewer pipe, constructing 1 concrete manhole and 8 inch vitrified pipe sewer and paving with 5½-in. asphaltic concrete; improving Freeport Boulevard by constructing 8-in. vitrified pipe sewer in Markham Way, easterly from Freeport Boulevard to sewer in place and constructing 1 concrete manhole.

Separate bids will be received on the same date for improving 34th street from 4th to 5th avenues, by grading, constructing concrete curbs and gutters, placing 1 cast iron gutter drain and connecting same to sewer with 6-in. vitrified sewer pipe and paving with 5½-in. asphaltic concrete. Certified check for 10% payable to Mayor required. Plans may be had from Clerk. Albert Givan, City Engineer.

MERCED, Merced Co., Cal.—City Engineer Chas. Martin instructed to prepare plans for paving alley in Block 85, a petition having been received asking the work.

MARTINEZ, Contra Costa Co., Cal.—County Engineer R. R. Arnold completes specifications for grading approximately 2550 ft. of the San Pablo Valley highway. Bids will be called shortly.

SAN FRANCISCO—The Board of Public Works on recommendation of City Engineer M. M. O'Shaughnessy rejects bid of Jas. T. Tobin to construct 5850 sq. ft. artificial stone sidelawks in 18th avenue between Cabrillo and Fulton streets. Bid was $.26 sq. ft.

FLAGSTAFF, Ariz.—Until 2 p. m., July 26, bids will be received by highway commission of Coconino Co. at Flagstaff for constructing a highway between Ashfork and Williams, Fed. Aid project No. 37, involving: 19,000 cu. yds. excavating; 21,000 cu. yds. cinder surfacing, and incidental items. Plans and specifications may be obtained from State Engineer Thos. Maddock at Phoenix, on payment of $5. Certified check for 5% required.

FRESNO, Fresno Co., Cal.—Thompson Bros., 1514 H St., Fresno, awarded contract by Council to construct 6-in. vitrified clay pipe sewers in alleys of Blocks 2, 3 and 4 and in Alleys 1 and 2 of Dean Addition, at $0.89 lin. ft. for sewer; manholes, $75 each; drop connections, $0.—. Wm. Stranahan, Commissioner of Public Works.

SANTA CRUZ, Santa Cruz Co., Cal.—Merced Concrete Pipe Co., Merced, at $11,811.87, submits low bid to Council for sewering portions of Harrison and Grant Aves., Chilverton St., Dellview, Melrose, Parnell, Fairmount, Morrisey Aves., Rooney, Elk and other streets,

involving: 2686.93 ft. 10-in., 682.03 ft. 8-in and 6802.03 ft. 6-in. sewer; 88 10-in. 21 8-in and 215 6-in. Y branches and 35 manholes.

Other bids were:

Hickey & Harmon	$15,778.38
Greenfield Bros.	21,738.05
W. E. Miller	20,518.05
Eaton & Smith	20,427.31

Estimate of City Engineer James K. James, $17,000. Bids taken under advisement.

CALIFORNIA.—Following bids were received by State Highway Commission July 18:

Siskiyou County, bet. Upton and the southerly boundary (II-Sis-3-A), about 10.4 miles in length, to be paved either with Portland cement concrete or bituminized macadam. Involving, Item (1) $13,442 cu. yds. Class A Portland cement concrete pavement; (2) $33,750 tons broken stone (pavement); (3) 487 tons asphalt Grade E spread. Alternative Items 2 and 3 together are to be considered as alternative for Item 1. Commission will furnish reinforcing steel and cement for concrete foundation and asphalt Grade E for macadam.

Henry J. Kaiser Oakland.
Reinforced concrete, $187,515.90.
Macadam, $200,829.50.
R. C. Storrie & Co., S. F.
Reinforced concrete, $201,630.
Macadam, $195,365.
Healy-Tibbitts Const. Co., S. F.
Macadam, $207,066.50.
Engineer's estimate.
Reinforced concrete, $146,517.80.
Macadam, $150,255.50.

Sonoma County, bet. Cloverdale and Healdsburg (IV-Son-1-A), about 16.0 miles in length, to be paved either with Portland cement concrete or asphalt concrete. Involving, Item (1) 60,000 cu. yds. of excavation without classification; (2) 1670 cu. yds. Class A Portland cement concrete (culverts and monuments); (3) 350 lin. ft. 12-in., (4) 662 lin. ft. 15-in., (5) 1366 lin. ft. 18-in. and (6) 236 lin. ft. 24-in. corrugated metal pipe; (7) 289 monuments. Alternative items—(8) 23,500 cu. yds. Class A Portland cement concrete (pavement); (9) 10,000 cu. yds. gravel subbase (asphalt concrete pavement); (10) 45,550 tons asphalt concrete mixture (pavement). Alternative items 9 and 10 together are to be considered as alternative for item 8. Commission will furnish reinforcing steel, corrugated metal pipe, cement and asphaltic cement for asphalt concrete.

Reinforced Concrete

Henry J. Kaiser, Oakland	$299,938
Conners & Hansen, Santa Rosa	333,483
A. J. Fairbank, Willitts	333,557
Healy-Tibbitts, S. F.	334,121
McGillivray Const. Co., Sacto.	336,599
P. L. Burr, S. F.	337,801
R. C. Blanco, Vallejo	362,031
R. McLeran Co., S. F.	373,347
R. C. Storrie & Co., S. F.	388,217
Clark & Henry, Sacto.	399,080
Bates & Borland, Oakland	410,369
Federal Const. Co., S. F.	441,026

Asphalt Pavement

P. L. Burr, S. F.	$455,876
Clark & Henry, Sacto.	501,199
Fay Imp. Co., S. F.	611,445
Engineer's estimate.	
Reinforced concrete	297,527
Asphalt	433,764

SOUTH PASADENA, Los Angeles Co., Cal.—Sept. 2 has been announced as the date for holding a bond election for $15,000 in bonds to finance construction of a tunnel under the P. E. trackage at Huntington Drive and Fremont Ave.

PRESCOTT, Ariz.—Tanner & Turley, St. Joseph, Ariz., submitted the lowest bid at $60,033.75 for constructing Sec. A, Prescott-Ash Fork road, Yavapai County highway system, to be built under $1,500,000 bond issue. Other bids were: O. C. McElrath Const. Co., Mesa $63,746.75; Prescott Const. Eng. Co., $64,767.40; Rogers Bros., Snowflake, $64,919.50; Henry Galbraith, Jerome, $64,973.38; Hamblin, Garcia & Farr, St. Johns, $76,507.20; Robt. Mackay, Tucson, $66,705.30; Cotey & Black, Clifton, $71,075.05.

Prescott Const. Eng. Co. submitted lowest bid at $78,251.50 for constructing Sec. B, Prescott-Ash Fork road. Other bids were, Cotey & Black, $130,054.70; O. C. McElrath Const. Co., $132,280.60.

Robers Bros., Snowflake, submitted the lowest bid at $81,472.40 for constructing Sec. C, Prescott-Ash Fork road, 9.8 miles. Other bids were, Prescott Const. Eng. Co., $82,982.31; Morgan, Ford & Co., Phoenix, $101,753.65; Cotey & Black, $134,776.34.

All bids rejected. H. L. Fishel, highway engineer. Olmstead & Gillelen, Hollingsworth Bldg., Los Angeles, consulting engineers.

LOS ANGELES, Cal.—Chas. T. Salata, 405 S. Ditman St., awarded contract at $22,054.26 for improving Ave. 53 bet. York Blvd. and Irvington Place, involving 682 sq. ft. concrete paving; 61,650 sq. ft. rough grading; 61,650 sq. ft. finishing grade, oiling and rolling; 3006 ft. curb; 6300 sq. ft. concrete gutter; 13,033 sq. ft. sidewalk; storm drain at $6380; reinforced concrete culvert at $1200. M. S. Cummings submitted the only other bid at $23,037. Engineer's estimate, $20,700.

RIVERSIDE, Riverside Co., Cal.—Bids for construction of dirt roads in Rannells' permanent road division received July 6, were rejected by the County Supervisors because of inability to find a market for the $15,000 bonds voted for the work. Bids were previously taken for this work and rejected for the same reason. The bonds were voted in 1920.

OROVILLE, Butte Co., Cal.—Until August 1, 2 P. M., bids will be received by C. F. Belding, County Clerk, for constructing Gridley Colonies roads, under county bond issue. Certified check for 10% required with each bid. Plans may be had from County Engineer H. H. Hume at Oroville.

PASADENA, Los Angeles Co., Cal.—A resolution of intention for construction of sewers in Pasadena Heights territory has been adopted by the City Directors. Sewers will be laid in 12 streets with a 14-in. outfall in Allen Ave. between Monte Vista and Mountain, a 16-in. outfall in Mountain St. between Allen and Sierra Bonita and a 20-in. outfall in Allen Ave. between Villa and Monte Vista. The improvement will be made under 1911 act. E. P. Dewey, City Engineer.

VENTURA, Ventura Co., Cal.—Samuel Hunter of Santa Barbara was awarded the contract by the County Supervisors at $26,609.50 for paving with concrete Santa Clara Ave. and Rice road near Oxnard. Other bids were: Southwest Paving Co., $33,198.40 Fairchild-Gilmore-Wilton Co., $34,822.40; T. E. Hill & Co., $35,250.40; C. H. Hudson, $38,849.20. County will furnish cement estimated to cost $14,118. Chas. Pettit, County Surveyor.

SAN FRANCISCO—Until August 3, 3 P. M., bids will be received by the Board of Public Works for constructing sewer in Woolsey street, between Dartmouth and University Aves., involving 540 lin. ft. 2x3 ft. reinforced concrete sewer; 47 lin. ft. 18-in. vitrified pipe sewer; 2 brick or concrete manholes and 1 brick manhole. Specifications may be had from the City Engineer's office, 3rd Floor, City Hall.

REDWOOD CITY, San Mateo Co., Cal.—Until August 8, 10 a. m., bids will be received by Elizabeth M. Nash, County Clerk, for repairing the west 1¼ mi. of Route 5, San Mateo County, from the junction of the Poor Farm road to the junction of Route 4 at Crystal Springs Lake in the Second Road District.

Certified check for 10%, payable to County, required. Plans on file in office of Clerk. Geo. Kneese, County Engineer.

SAN JOSE, Santa Clara Co., Cal.—City Council, John J. Lynch, Clerk, passes resolution of intention to improve the crossing at 2nd St. and Hensley Ave. by re-grading, paving with an asphaltic concrete wearing surface 1½-in. thick with a 3-in asphaltic concrete base; constructing 4 brick catchbasins and connected with 8-in. vitrified sewer pipe.

MARTINEZ, Contra Costa Co., Cal.—Steps for the immediate paving of High St., Cemetery Hill road, will be taken at the next meeting of the City Trustees. W. S. Farley, City Engineer.

REDWOOD CITY, San Mateo Co., Cal.—City Engineer C. L. Dimmitt estimates cost of repairing streets in Redwood Highlands at 76c a running foot. Action postponed by trustees until August 1.

OROVILLE, Butte Co., Cal.—Until August 3, 1:30 p. m., bids will be received by C. F. Belding, County Clerk, for constructing Paradise-Stirling rd., Section C. Certified check for 10% required with each bid. H. H. Hume, County Engineer.

ORLAND, Glenn Co., Cal.—Bids for street paving, for which $150,000 is available, have been ordered advertised by the Trustees. Bids will probably be opened July 30.

LOS ANGELES, Cal.—Until 3 p. m., July 22, bids will be received by Board of Public Service, 207 S. Broadway, for curb cocks, lead flanged corporation cocks and lead and iron unions. Spec. No. 574. Jas. P. Vroman, Secretary.

SALINAS, Monterey Co., Cal.—City Engineer Davies authorized to purchase pipe for constructing storm water sewer between Sausal St. and the drainage ditch.

EUREKA, Humboldt Co., Cal.—City Engineer Harry H. Hannah instructed by Council to prepare plans for paving Fifth St. from A St. to Broadway. Specifications will provide for a 5-in. concrete base with a 2-in. wearing surface.

FRESNO, Fresno Co., Cal.—Chris. P. Jensen, County Highway Engineer, Cory Bldg., is preparing plans and specifications for the paving of the remainder of Elm Ave. from Easton to the Kings County line.

REDWOOD CITY, San Mateo Co., Cal.—Ed. Dearborn, Supt. of city water plant, authorized by trustees to purchase 25 concrete boxes for enclosing water meters.

HANFORD, Kings Co., Cal. — Until August 1, 8 p. m., bids will be received by G. W. Armstead, Secretary, Hanford Union High School District, for furnishing labor, materials and equipment for boring 10-in. well at new high school site. Specifications may be had from Secretary.

SAN FRANCISCO—Street repair department of Board of Public Works will reconstruct and repair Howard St. from the Embarcadero to Third St., estimated cost $[illegible] and repave

Townsend St. from the Embarcadero to Third St., estimated cost, $43,000. Pavements to consist of 3½-in. asphalt surface on a 6-in. concrete base. M. M. O'Shaughnessy, City Engineer.

REDWOOD CITY, San Mateo Co., Cal.—Bids received by City Trustees July 5th for furnishing and delivering 48 ft. 8-in. and 5800 ft. 4-in. cast iron water pipe, class B, standard weight, and 18 4-in. by 4-in. tees rejected at July 18th meeting. C. L. Dimmitt, City Engineer.

COALINGA, Fresno Co., Cal.—Cheney Bros., Coalinga, awarded contract by trustees for hauling and laying approximately 9200 ft. of 4-in. pipe line; material to be furnished by city.

SACRAMENTO, Cal.—No bids received by Supervisors for constructing concrete highway on Water Ave., running north ½ mi. from Greenback Lane, and on Winding Way, beginning 1 mi. south of Greenback Lane and running south ½ mi. Work ordered done by day labor under supervision of Drury Butler, County Engineer.

PHOENIX, Ariz.—R. L. Ballenger awarded contract for paving E. Portland St. from Central Ave. to Seventh, involving: 9431.43 sq. yds. bitulithic paving; 125.85 sq. yds. 5-in. concrete paving; 9557.3 sq. yds. grading; 4569.7 lin. ft. combined curb and gutter; 474.36 ft. curb; 196 lin. ft. gutter; 130 lin. ft. valley gutter, and incidental items totaling about $45,000.

Warren Bros. Co. awarded contract for paving Third St. between Grant and Jefferson, involving: 11,328 sq. yds. bitulithic paving; 136.51 sq. yds. 5-in. concrete paving; 11,465.09 sq. yds. grading; 3154.93 lin. ft. combined curb and gutter; 375.32 ft. curb; 165 lin. ft. gutter; 307.69 lin. ft. valley gutter, and incidental items totaling about $45,000.

White & Miller awarded contract for paving Culver St. between Central Ave. and 12th St., involving: 19,316.9 sq. yds. bitulithic paving; 455.62 sq. yds. concrete paving; 19,772.52 sq. yds. grading; 9631.6 lin. ft. combined curb and gutter; 909.33 ft. curb; 550 lin. ft. gutter; 258.09 lin. ft. valley gutter, and incidental items totaling about $40,000.

NAPA, Napa Co., Cal.—R. E. Errington, Napa, at $9181.14, awarded contract by City Council for improving Main St. from Pearl to Caymus, by grading and paving with 5-in. concrete 40-ft. wide; constructing concrete catchbasins with cast iron covers and sewer connections. H. A. Harrold, City Engineer.

GRESHAM, Ore.—Sewer system costing $30,000 planned by City Council.

MERCED, Merced Co., Cal.—John F. Knapp, Turlock, at $61,895.27, awarded contract by Trustees for improving portions of 16th St., involving: 195,254 sq. ft. of 6-in. concrete pavement; 1000 lin. ft. concrete curb; 420 ft. main cast iron culvert and 208 ft. of branch cast iron culvert.

Next low bid was that of Merced Concrete Pipe Co., at $62,897.55. Complete list of bids follows:

J. F. Knapp: (a) paving and grading, $0.291; (b) curb, $0.59; (c) main culverts, $8.05; (d) branch culverts, $4.95.

Merced Pipe Co.: (a) $0.325; (b) $0.70; (c) $3.50; (d) $2.50.

Frederickson & Shannon: (a) $0.328; (b) $0.65; (c) $5.25; (d) $3.75.

A. Teichert & Son: (a) $0.37; (b) $0.86; (c) $7.50 and $8.50; (d) $4.60.

Chas. Martin, City Engineer.

SAN FRANCISCO—Fay Improvement Co., Phelan Bldg., at $14,991 awarded the contract by the Board of Public Works for improving Fairfax avenue between Keith & Lane Sts., involving 1300 cu. yds. cut; 10 brick catchbasins; 40 lin. ft. 15-in. sewer; 250 lin. ft. 10-in. culverts; 1 brick manhole; 1389 lin. ft. concrete curb; 1320 sq. ft. artificial stone sidewalks and 38,830 sq. ft. asphaltic concrete pavement.

H. McGill awarded contract to sewer Gambier street between Burrows and Felton at $831, involving 230 lin. ft. 8-in. sewer; 16 8-in. wye branches; 1 lamphole and 1 brick manhole.

Fay Improvement Co., at $8,697 has been awarded a contract to improve 21st avenue between Irving and Judah streets, involving 900 cu. yds cut; 1200 lin. ft. concrete curbs; 3000 sq. ft. artificial stone sidewalks; 24,000 sq. ft. asphaltic concrete pavement.

P. Sanfilippo at $302 awarded contract to construct 1845 sq. ft. artificial stone sidewalks in Funston avenue between Irving and Judah streets.

C. B. Eaton at $810 awarded contract to improve Hill street between Church and Sanchez streets, involving 76 lin. ft. concrete curbs and 1291 sq. ft. concrete pavement. M. M. O'Saughnessy, City Engineer.

MADERA, Madera Co., Cal.—Until August 1 bids will be received by City Trustees for purchase of $36,000 and $41,000 bond issues to finance construction of extensions to sewer and water systems. Frank Nikirk, City Engineer.

PHOENIX, Ariz.—Resolutions of intention to pave Sixth St. between Washington and Van Buren, and Van Buren St. between 12th and 16th with bitulithic on cement concrete base; also to pave Portland St. between 7th and 11th, and 9th St. between Van Buren and Pierce with bitulithic on bituminous concrete base adopted by City Commission.

MARTINEZ, Contra Costa Co., Cal.—Paul & Sayles, Martinez, at approximately $4000, awarded contract by Trustees of Alhambra Union High School District for improving portions of Henrietta St. by grading, const. concrete curbs and gutters and paving, 14 ft. wide with a 2½-in. asphaltic concrete base and a Warrenite-Bitulithic wearing surface 1½-in. thick; portions of Court and Susana Sts., by grading, constructing concrete curbs and gutters and paving with a 3-in. asphaltic concrete base with a Warrenite-Bitulithic wearing surface 2-in. thick.

HANFORD, Kings Co., Cal.—California Construction Co., 58 2nd St., San Francisco, awarded contract by Trustees for paving Keith, Ivy, Florinda, Central and Center streets on unit bid: grading, $0.03 sq. ft.; paving, $0.23; curbing, $0.70; gutter, $0.35. Edward M. Lynch, Engineer.

REDWOOD CITY, San Mateo Co., Cal.—County Engineer Geo. A. Kneese instructed to prepare plans for retaining wall near Salt Lake at Salada Beach.

WALNUT CREEK, Contra Costa Co., Cal.—Hutchinson Co., 444 17th St., Oakland, awarded contract by Trustees for paving steets at approximately $39,000. Pavement will be 5-in. concrete: 50 and 20-ft. wide.

FRESNO, Fresno Co., Cal.—City Council, R. Y. St. George, Clerk, passes resolution of intention to improve:

Lucerne Ave. from University to Van Ness;

Huntington Blvd. from Angus to 1st St.; both by grading, constructing concrete curbs, gutters and sidewalks, corrugated culverts and paving with asphalt.

Ventura Ave. from P to G Sts.;

L St. from Kern to San Diego; both by grading, constructing concrete curbs and gutters, corrugated culverts and paving with asphalt.

Alley in Block No. 80 from Inyo to Mono Sts., by grading and paving with concrete.

West side of Ferger Ave. from Pine to McKinley Ave., by constructing artificial stone sidewalks.

Wm. Stranahan, Commissioner of Public Works.

RAILROADS

WASHINGTON, D. C.—Until August 31, 10:30 a. m., bids will be received by Panama Canal Commission for the purchase of mogul type locomotives offered for sale by Panama Canal, no longer required by the Commission. Further information may be had from the Assistant Purchasing Agent, Fort Mason, San Francisco, by applying for Circular No. 1454.

FRESNO, Fresno Co., Cal.—Federal Const. Co., Call Bldg., San Francisco, awarded contract by S. P. Co. to grade roadbed for extension of railroad near El Prado at $1.25 per cu. yd.

FIRE EQUIPMENT

OROVILLE, Butte Co., Cal. — Until August 1, 8:30 p. m., bids will be received by J. W. Gibson, City Clerk, for furnishing and delivering 1 combined pumping engine and hose truck, with all necessary operating tools, to have a capacity of 500 to 750 gals. of water per minute, and a capacity of 1200 ft. 2½-in. hose. Bids to be based upon cash payment and also upon a leasing contract.

WASHINGTON, D. C.—Gamewell Fire Alarm and Telegraph Co., 70 E. 45th st., New York City, awarded contract by Bureau of Yards and Docks, Navy Department, for extensions to fire alarm system at Puget Sound Navy Yard. Bid is $9,687.49; time for completion 60 days. Work under specification No. 4440.

REDWOOD CITY, San Mateo Co., Cal.—Trustees contemplating calling bond election to vote approximately $15,000 to finance purchase of new combination fire engine and pump. C. L. Dimmitt, City Engineer.

BUSINESS OPPORTUNITIES

A. E. Jost, 1110 14th St., Sacramento, Cal., is in the market for a steel rowboat.

Henry Wendt, New Pine Creek, Lake County, Ore., is in the market for a drinking fountain for a public school.

Pitts Cotton Mfg. Co., Elberton, Ga., is in a position to supply mop yarns to manufacturers of mops.

George B. Smyth, 170 Regent St., Salt Lake City, Utah, is seeking a market for a fully equipped Utah coal property.

Warren Andrews, 412 South State St., Belvidere, Ill., wishes to communicate with local contractors with reference to plans and specifications of California bungalows.

C. F. Miller, Box 1728, Breckenridge, Tex., is in the market for a carload of large picture frames for export, preferably hardwood.

A. A. Davis, Arroyo Grande, Cal., is in position to supply (in treated or natural state) quantities of blue gum stove wood or blue gum fence posts.

John S. Murphy, 401 Scallord bldg., Dallas, Texas, wishes to represent San Francisco manufacturers in that territory.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1517	Benson	Owner	14000
1518	Brown	McKee	500
1519	Mayerson	Abrahams	1000
1520	Schmidt	Owner	10000
1521	McFarland	Johnston	2500
1522	Tietjen	Mager	600
1523	Muzio	Owner	3500
1524	Planters	Owner	——
1525	Thomas	Owner	3000
1526	Lurie	Bagge	13000
1527	Mangini	Owner	600
1528	Berard	Johnson	4000
1529	Ohlson	Owner	500
1530	Haag	Owner	3800
1531	Parkside	Owner	4000
1532	Schulz	Owner	2500
1533	Casper	Owner	3500
1534	Gekco	Fink	18900
1535	Beck	Berger	6000
1536	Same	Same	4000
1537	Belger	Owner	8000
1538	Niscori	Dowsett	4000
1539	Kennedy	Koldenstrodt	500
1540	MacMullen	Wengard	2785
1541	Franklin	Savage	5000
1542	Eloesser	Owner	900
1543	O'Brien	Owner	500
1544	Gomez	Schmidt	500
1545	Gutteridge	Owner	3000
1546	Moore	Johnson	2500
1547	Pac. G. & E.	Owner	11000
1548	Zobels	Barrett	2750
1549	Lurie	Owner	51000
1550	Pac. G. & E.	Owner	3200
1551	Ray	Southard	900
1552	Laiolo	Vukicevich	500
1553	Meyers	Britt	20000
1554	Hink	Hansen	4000
1555	Werbarg	Moran	1900
1556	Hind	Hind	6000
1557	New Process	Owner	1385
1558	Excelsior	Owner	65000
1559	White	Ocean	890
1560	Thayer	Owner	1000
1561	Rechtor	Owner	750
1562	Kapatanakes	Partidos	1500
1563	Koller	Silva	800
1564	Davis	Show	14350
1565	Same	Scott	3340
1566	Same	Snook	1670
1567	Same	Cal. Elec	1525
1568	Gensler	Brass	2211

PERMITS

FRAME FLATS
(1517) S JACKSON 137-6 E Spruce. Three-story and basement frame (4) flats.
Owner—G. Benson, 401 Phelan Bldg., San Francisco.
Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.
Day's work. $14,000

ALTERATIONS
(1518) 3091 SIXTEENTH. Change store front.
Owner—Brown & Kennedy, Premises.
Architect—None.
Contractor—Wm. McKee, 951 Eddy St., San Francisco. $500

REPAIRS
(1519) 2960 TWENTY-FIRST. Repair residence; new porches, etc.
Owner—S. Mayerson, Premises.
Architect—None.
Contractor—H. Abrahams, 134 Hale St., San Francisco. $1000

RESIDENCE
(1520) W BUENA VISTA AVE 244 N Frederick. Two-story and basement frame residence.
Owner—Helen M. Schmidt, 1317 Hyde St., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.
Day's work. $10,000

RESIDENCE
(1521) SW LAKEVIEW 125 W San Jose Ave. One-story and basement frame residence.
Owner—M. McFarland, Mission St. bet. Precita Ave and 25th St., S. F.
Architect—O. E. Evans, 2569 Mission St., San Francisco.
Contractor—J. Johnston, 247 Faxon Ave., San Francisco. $2500

ALTERATIONS
(1522) 315 LYON. Alter for private garage; concrete work, etc.
Owner—H. Tietjen, Cor. McAllister & Webster Sts., San Francisco.
Architect—None.
Contractor—Mager Bros., 1318 Valencia St., San Francisco. $600

GARAGE
(1523) S TWENTY-FIRST 70 E Howard. One-story brick private garage and storeroom.
Owner—P. Muzio Co., 3216 Mission St., San Francisco.
Architect—None.
Day's work. $3500

FACTORY
(1524) SE DAVIS & Pacific Sts. Electric work, plumbing, heating, waterproofing floors, additions for locker rooms, etc., for candy factory.
Owner—Planters Nut & Chocolate Co.
Architect—Benj. G. McDougall, 381 Bush St.
Day's Work. $——

ALTERATIONS
(1525) 726 FILLMORE ST. Raise roof 4 ft. and rearrange for 4 apts.
Owner—S. F. Thomas, 709 Fillmore St.
Architect—None.
Day's Work. $3000

STORE
(1526) S MISSION 80 E 7th. Two-story & basement Class C concrete store.
Owner—Louis R. Lurie, Mills Bldg.
Architect — O'Brien Bros., 140 Montgomery St.
Contractor—Bagge & Vukicevich, 180 Jessie St. $13,000

ALTERATIONS
(1527) 3035A OCTAVIA ST. General alterations & repairs for cottage; cement work, etc.
Owner—E. Mangini, 1765 Lombard St.
Architect—None.
Day's Work. $600

RESIDENCE
(1528) W PLYMOUTH 250 S Holloway. One-story & basement frame residence.
Owner—Miss E. L. Berard, 48 Peloma Ave.
Designer—L. E. Peyser, 2447 26th Ave.
Contractor — Edw. A. Johnson, 2445 26th Ave. $4000

ALTERATIONS
(1529) 2687 TWENTY-SECOND ST. Alterations.
Owner—O. J. Ohlson, 2687 22nd St.
Architect—None.
Day's Work. $500

ALTERATIONS
(1530) E TWENTY-EIGHTH AVE. 100 S California. Raise and make general alterations and repairs to present bldg.
Owner—T. Haag, 318 28th Ave.
Architect—None.
Day's Work. $3800

DWELLING
(1531) E TWENTY-FIRST AVE. 133-4 S Taraval. One-story & basement frame dwelling.
Owner—Parkside Realty Co., 617 Crocker Bldg.
Architect — Chas. F. Strothoff, 2274 15th St.
Day's Work. $4000

RESIDENCE
(1532) N CHESTNUT, bet. Gough and Franklin. One-story and basement frame residence.
Owner—Emiel Schulz, 874½ Eddy St., San Francisco.
Architect—The Aladdin Co., Bay City, Michigan and Portland, Ore.
Day's work. $2500

FLATS
(1533) S HANCOCK 100 W Church. Two-story and basement frame (3) flats.
Owner—Joseph C. Casper, 59 Sanchez St., San Francisco.
Architect—O. E. Evans, 3569 Mission St., San Francisco.
Day's work. $3500

ALTERATIONS
(1534) 214-216 POST N line bet. Grant Ave. and Stockton. All work for alterations and additions to store.
Owner—Gekco Co., 268 Mission St., San Francisco.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Contractor—Fink & Schindler, 226 13th St., San Francisco.
Filed July 19, '21. Dated July 11, '21.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $18,900
Bond, $9500. Sureties, Jas. H. Pinkerton and Watts Elec. Co. Limit, 34 days. Forfeit, $50. Plans and specifications filed.
NOTE:—Permit reported July 1, 1921, No. 1439.

RECORDED

APARTMENTS
1535) E POWELL 68-6 N Bush N 69 x E 67-6. Metal, lumber, steel joists & connections & Ribplex lath for six-story apartment bldg.
Owner—Edw. Beck, 281 Lee Ave., Okd.
Architect — M. V. Politeo, First Natl. Bank Bldg.
Contractor—Berger Mfg. Co., 1120 Mission St.
Filed July 18, 1921; dated July 16, 1921
1st and 15th of each month.... 75%
Usual 35 days..... 25%
TOTAL COST $6000
Bond, $3000. Surety, Massachusetts Bonding & Ins. Co. Forfeit, $25. Limit, 70 days. Plans and specifications filed.
NOTE—Permit reported June 25, 1921, No. 1407

(1536) ERECT metal, lumber, steel joists & connections, furnish & lay Ribplex lath, wooden, nailing, strips and concrete floors on above.

Payments same as above.
TOTAL COST, $4000
Bond, $2000. Surety, Massachusetts Bonding & Ins. Co. Forfeit, none. Limit, 50 days. Plans and specifications filed.

FLATS
(1537) W ASHBURY 75 S Fulton. Two-story and basement frame (2) flats.
Owner—J. J. Belger, 218 Cole St.
Architect—None.
Day's Work. $8000

RESIDENCE
(1538) 1840 BROADWAY. General alterations and repairs for residence.
Owner—Mrs. Niscori, St. Francis Hotel.
Architect—None.
Contractor—Dowsett Ruhl Co., 77 O'Farrell St. $4000

ALTERATIONS
(1539) SW ELLIS & LARKIN STS. Shore up and underpin with brick south wall of 2-story and basement brick store and lodging house.
Owner—Joseph B. Kennedy, 527 Chronicle Bldg.
Architect—W. D. Shea, 527 Chronicle Building.
Contractor—Fred Koldenstrodt, 110 Jessie St. $500

RESIDENCE
(1540) E 41ST AVE. 150 S Lincoln Way. One-story and basement frame residence.
Owner—Thomas MacCullen, 1662 Page St.
Architect—None.
Contractor—C. Wengard, 1286 34th Ave. $2785

REPAIRS
(1541) 1451-53-55 O'FARRELL ST. Tar and gravel roof; plastering; painting, electric work, to repair fire damage to flats.
Owner—H. Franklin, 215 Chronicle Bldg.
Architect—None.
Contractor—W. A. Savage, 81 7th Ave. $5000

STORES
(1542) SW OCTAVIA & McALLISTER Sts. Rearrange two stores for one.
Owner—Eloesser & Heynemann, 77 Battery St.
Architect—None.
Day's Work. $900

ALTERATIONS
(1543) 349-53 PIERCE ST. Alterations for basement garage.
Owner—Chas. A. O'Brien, 353 Pierce St.
Architect—None.
Day's Work. $500

DWELLING
(1544) S THORNTON 100 W Vienna. One-story and basement frame dwelling.
Owner—J. B. Gomez, 609 Thornton Ave.
Architect—None.
Contractor — Christoph Schmidt, 53 Vesta St. $500

RESIDENCE
(1545) E 33RD AVE. 275 S Lincoln Way. Two-story and basement frame residence.
Owner—P. H. Gutteridge, 153 Central Ave.
Architect—Plans by Owner.
Day's Work. $3000

RESIDENCE
(1546) 880 CAMINO DEL MAR. Alterations and minor additions for residence.
Owner—Mrs. A. A. Moore, Jr.
Architect—Bliss & Faville, Balboa Bldg.
Contractor—J. Harold Johnson, 180 Jessie St. $2500

SUB-STATION
(1547) NE ELLIS & BRODERICK STS. Construct extension to fireproof sub-station.
Owner—Pacific Gas & Electric Co., 445 Sutter St.
Architect—None.
Day's Work. $11,000

ALTERATIONS
(1548) 23 GRANT AVE. Alterations for interior and exterior of store.
Owner—Zobel's Millinery, 23 Grant Ave.
Architect—Bernard J Joseph, 522 New Call Bldg.
Contractor—Barrett & Hilp, Sharon Bldg. $2750

DANCING ACADEMY
(1549) N GEARY 164 E Van Ness Ave. Two-story and basement reinforced concrete dancing academy and offices.
Owner—Louis R. Lurie, Mills Bldg.
Architect—Bernard J. Joseph, 74 New Montgomery St.
Day's Work. $51,000

EXTENSION
(1550) NE MINNA & 8TH STS. One-story fireproof extension to substation.
Owner—Pacific Gas & Electric Co., 445 Sutter St.
Architect—None.
Day's Work. $3200

GARAGE
(1551) 23 BELMONT AVE. One-story brick private garage.
Owner—Mrs. Wilton S. Ray, 23 Belmont Ave., San Francisco.
Architect—None.
Contractor—A. B. Southard, 277 Edgewood Ave., San Francisco. $900

UNDERPIN WALL
(1552) E LEAVENWORTH 87-6 N Turk. Underpin brick wall of apartments.
Owner—Antonio Laiolo.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco. $500

STORES
(1553) N SUTTER 70-6 W Mason. One story concrete stores.
Owner—Laurance A. Meyers, 424 Foxcroft Bldg., San Francisco.
Architect — Samuel Lightner Hyman, Foxcroft Bldg., San Francisco.
Contractor—O. W. Britt, 1115 Scott St., San Francisco. $20,000

RESIDENCE
(1554) N SOUTHWOOD DRIVE 150 E Miramar. One-story and basement frame residence.
Owner—C. Hink, 1379 Union St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—Walter E. Hansen, 2235 Market St., S. F. $4000

ALTERATIONS
(1555) 626 TENTH AVE. Alter basement for four-room flat.
Owner—Mrs. Lucy H. Werbarg, 287 4th Ave., San Francisco.
Architect—None.
Contractor—Harry Moran, 770 10th Av., San Francisco. $1900

DWELLINGS
(1556) W ACADEMY 47 and 71 N Charles. Two one and one-half-story and basement frame dwellings.
Owner—A. E. Hind, Colusa, Calif.
Architect—W. G. Hind, 3885 Webster St., Oakland.
Contractor—Harry W. Hind, 2012 Channing Way, Berkeley.
$3000 each

TANK
(1557) 385 EIGHTH. Reinforced concrete tank.
Owner—New Process Laundry Co., 385 8th St., San Francisco.
Architect—None.
Day's work. $1385

THEATRE, ETC.
(1558) E MISSION 150 S Brazil. Steel and concrete theatre and store building.
Owner—Excelsior Amusement Co., 4636 Mission St., San Francisco.
Architect—G. A. Lansburgh, 709 Mission St., San Francisco.
Day's work. $65,000

STEEL SUPPORTS
(1559) 986 MISSION. Construct steel supports for bake oven.
Owner—White Lunch Co., Premises.
Architect—None.
Contractor—Ocean Shore Iron Works, 550 8th St., San Francisco. $890

REPAIRS
(1560) GORE PACIFIC, DRUMM AND Embarcadero. Repair fire damage to offices.
Owner—Rufas Thayer and Mercantile Trust Co., Executor of the Will of Jessie Sidall Westfall, Deceased, 464 California St., San Francisco.
Architect—None.
Day's work. $1000

ADDITIONS
(1561) 38 SYCAMORE AVE. Minor additions and alterations for flats.
Owner—H. J. Rechtor, Premises.
Architect—E. Hildebrand, 68 Post St., San Francisco.
Day's work. $750

FLATS
(1562) 424 NOE. Raze 3 porches and rebuild same for (3) flats.
Owner—Harry Kapatanakes, Premises.
Plans by Contractor.
Contractor—S. Partidos, 433 23rd Ave., San Francisco. $1500

ALTERATIONS
(1563) 3756 TWENTY-FIRST. Shingle roof; electric work and fixtures; painting; plastering for dwelling.
Owner—Frank Koller, Premises.
Architect—None.
Contractor—J. P. Silva, 870 46th St., Oakland. $800

RECORDED

ALTERATIONS
(1564) NE FIRST 275 SE Market SE 91-8xNE 137-6. Sprinkler equipment for alterations and additions to three-story and basement Class C building.
Owner—Norris K. Davis & Mercantile Trust Co., Trustee Estate Horace Davis, 400 7th St., San Francisco.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Martin S. Show and Chas. W. Hewitt, 1901 California St., San Francisco.
Filed July 21, '21. Dated June 14, '21.
Entire piping system done.....$3000
Compressor and pump set and tanks in 3000
Completed and accepted..... 4760
Usual 35 days..... 3590
TOTAL COST, $14,350
Bond, $7175. Surety, Fidelity & Casualty Co. Limit, 90 days. Forfeit, $20. Plans and specifications filed.
NOTE—Permit reported May 23, 1921, No. 1228.

(1565) STEAM HEATING ON ABOVE.
Contractor—Scott Co., 243 Minna St., San Francisco.
Filed July 21, '21. Dated June 20, '21.
Roughing in completed and accepted $1255
Completed and accepted..... 1255
Usual 35 days..... 835
TOTAL COST, $3340
Bond, $1670. Surety, New Amsterdam

Casualty Co. Limit, 60 days. Forfeit $20. Plans and specifications filed.

(1566) PLUMBING ON ABOVE.
Contractor—Frederick W. Snook Co. 596 Clay St., San Francisco.
Filed July 21, '21. Dated June 24, '21. Plumbing roughed in.....$620
Completed and accepted..... 632
Usual 35 days..... 418
TOTAL COST, $1670
Bond, $835. Sureties, Wm J. Forster & K. G. Haderle. Limit, 40 days. Forfeit, $20. Plans and specifications filed.

(1567) ELECTRICAL WORK ON above.
Contractor—California Electrical Construction Co., 687 Mission St., S. F.
Filed July 21, '21. Dated June 21, '21. Wiring and conduit work done..$500
Completed and accepted..... 643
Usual 35 days..... 382
TOTAL COST, $1525
Bond, $763. Surety, National Surety Co. Limit, 60 days. Forfeit, $20. Plans and specifications filed.

CARPENTER WORK
(1568) 818 MARKET. Carpenter and cabinet work for store.
Owner—Gensler & Lee Jewelry Co., Premises.
Architect—None.
Contractor—Brass & Kuhn, 1917 Bryant St., San Francisco.
Filed July 21, '21. Dated June 27, '21. On 15th and 30th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $2211
Bond, none. Limit, 30 days after Aug. 2, 1921. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported July 15, 1921 No. 1508.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded — Accepted

July 19, 1921—E 22ND AVE. 100 S Geary, 25 x 120. Thomas Hamill to whom it may concern. July 19, 1921
July 18, 1921—SE SEVENTH AVE & Kirkham 32-6x100. C S Brundage to Cox Brothers.....July 15, 1921
July 18, 1921—NW HYDE & LOMBARD. Frank J Sullivan to whom it may concern.....June 9, 1921
July 18, 1921—NW CLEMENT AND Twenty-second Ave W 32-6xN100. Fred and Hjalmar Anderson and Chas N Johnson to whom it may concern.....July 16, 1921
July 16, 1921—E MARKET AND Eleventh NE 190 SE 165 SW 52-6 NW 27-6 SW 137-6 NW 137-6. York Realty Co to whom it may concern .....July 12, 1921
July 14, 1921—E FIFTEENTH AVE 25 N Cabrillo N 24xE 102-6. Paul E Chapman to whom it may concern .....July 14, 1921
July 14, 1921—W EIGHTH AVE 127-6 S Balboa. Mary Lacy to whom it may concern.....July 14, 1921
July 14, 1921—W MOULTRIE 150 S Crescent Ave S 25xW 70 Lot 181, Holiday Map A. John Dahla to whom it may concern.....—
July 13, 1921—E COMMONWEALTH Ave 98.672 N Geary N 30xE 107-6. Mrs. Rae E Levy to whom it may concern.....July 13, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded — Amount

July 19, 1921—W Genesee 125 S Staples Ave. S 25 x W 100. Eureka Sash. Door & Moulding Mills vs. Leota Hoch and Peter S Carlson $146.98
July 18, 1921—NO. 319 TWENTY-seventh Ave. H S Buckley vs E T Mitchell and R Milward.....$185
July 16, 1921—E SEVENTEENTH Ave 228-11 N Clement N 50xE 120. Forsyth & Co vs Thore I Strand and R W Parks.....$457.06

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded — Amount

July 18, 1921—N SUTTER 167-6 W Van Ness Ave W 57-6xN 120. B Rosenberg and Loop Lumber Co to Annetta Wise & Mendel Resident

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2387	Irvine	Thaxter	500
2388	Sinkinson	Morton	7000
2389	Buck	Owner	500
2390	Ward	Owner	400
2391	Mowatt	Strang	400
2392	Miller	Owner	485
2393	Hunter	Jnes	500
2394	Diel	Owner	400
2395	Dalton	Owner	400
2396	Trevchel	Pickering	400
2397	Gane	Wieben	3900
2398	Radke	Owner	2500
2399	Hudson	Owner	2500
2400	Heyn	McChesney	6500
2401	Champion	Owner	1000
2402	Taylor	Anderson	3000
2403	Pratt	Jenkins	500
2404	Oakland	Faulkes	8500
2405	Same	Same	10200
2406	Stone	Owner	3000
2407	Same	Same	3000
2408	Christy	Owner	3500
2409	Baumann	Owner	3000
2410	Kepple	Owner	3500
2411	Cary	Rose	6000
2412	Michelet	Owner	3000
2413	Stuart	Estey	800
2414	Carroll	Owner	1200
2415	Frambolo	Hunter	8750
2416	White	Sommarstrom	2000
2417	Piedmont	Bkly Elec.	7067
2418	Scholey	Owner	500
2419	Emeryville	Rutherford	4000
2420	Vignier	Perona	500
2421	Aquier	Santos	500
2422	Durst	Muller	500
2423	Edeau	Owner	400
2424	Simmonds	Owner	2500
2425	Courtney	Owner	1500
2426	Peterson	Petersen	850
2427	Macario	Owner	400
2428	Watz	Steffen	975
2429	Seebe	Edwards	950
2430	Emeryville	Rutherford	3600
2431	Minor	Conner	1000
2432	Jones	Owner	400
2433	First Baptist	Bixby	5000
2434	Henry	Owner	500
2435	Dyer	Stan	650
2436	Brazier	Owner	2500
2437	Abrow	Silva	400
2438	Benson	Mason	2500
2439	Nelson	Pearson	6500
2440	Perry	McGowen	400
2441	Kiel	Owner	10000
2442	Hewelcke	Owner	20000
2443	Dadone	Owner	500
2444	Woodburn	Owner	8000
2445	Carpenter	Anderson	14000
2446	Skovnand	Owner	3000
2447	Greenwald	Rogers	13000
2448	Kingsland	Owner	13050
2449	Robinson	Porter	2000
2450	Swobe	Allen	1000
2451	Seabury	Bartlett	1000
2452	MacDonell	Owner	500
2453	First Presb.	Owner	16000
2454	Allen	Randall	500
2455	Dyer	Spence	600
2456	Baker	Owner	4900
2457	Pingley	Christiansen	1050
2458	Mueller	Owner	4000
2459	Oakland	Jensen	49054
2460	Dominick	Hart	400
2461	Holloway	Owner	2000
2462	Moyer	Owner	25000
2463	Barnett	Schwalm	18000
2464	Cousins	Ranken	6500
2465	Cantrelle	Owner	2000
2466	Ransom	Huber	3400
2467	King	Barnard	900
2468	Comas	Owner	700
2469	Wessa	Forbes	2600
2470	Pabst	Owner	3750
2471	Lynch	Westlund	1700
2472	McCullough	Rush	1500
2473	Marquis	Owner	2000
2474	Marquis	Owner	4000
2475	Whinnery	McDuffie	3500
2476	Edwards	Muller	25000
2477	Hunt	Hunt	500
2478	Whitney	Abrahamson	2992
2479	Miller	Owner	3500
2480	Lubert	Boeddeker	15000
2481	Pac. Unitarian	Walter	964
2482	Pac. Unitarian	Zelinsky	625
2483	Pac. Unitarian	Barrett	16204
2484	Pac. Unitarian	Butte	925
2485	Pac. Unitarian	Makin	4125
2486	Pac. Unitarian	Heidt	3175
2487	Pac. Unitarian	Doell	723
2488	Pac. Unitarian	Frazee	1512

PERMITS

ALTERATIONS
(2387) 2911 HILLEGASS AVE., Bkly. Alterations.
Owner—Sarah J. Irvine, premises.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Bkly. $500

DWELLING
(2388) 1513 MONTEREY AVE., Bkly. Two-story 8-room dwelling.
Owner—Mrs. H. A. Sinkinson, Hercules, Cal.
Architect—None.
Contractor—Mathew Morton, 2911 Benvenue Ave., Bkly. $7000

SHOP
(2389) E CLAREMONT AVE 257 S College Ave., Oakland. One-story shop.
Owner—W. E. Buck, 6175 Hillegass Ave., Oakland.
Architect—None.
Day's work. $500

GARAGE
(2390) N FOOTHILL BLVD bet. 77th and 78th Aves., Oakland. Garage.
Owner—Mrs. Jane H. Ward.
Architect—None.
Day's work $400

GARAGE
(2391) NE LONGRIDGE ROAD AND Calmar Path, Oakland. Garage.
Owner—W. Mowatt, Premises.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda. $400

ALTERATIONS
(2392) 685 THIRTIETH St., Oakland. Alterations and repairs.
Owner—S. C. Miller, Premises.
Architect—None.
Day's work. $485

ADDITION
(2393) 4856 TELEGRAPH AVE., Oakland. One-story addition.
Owner—Thos. C. Hunter.
Architect—None.
Contractor—A. M. Jones, 1319 Jefferson St., Oakland. $500

DWELLING
(2394) S QUIGLEY 165 W Loma Vista Oakland. One-story 2-room dwlg.
Owner—W. I. Dief, 1103 12th St., Oakland.
Architect—None.
Day's work. $400

ALTERATIONS
(2395) 1473 SEVENTY-FOURTH AV Oakland. Alterations.
Owner—T. S. Barton.
Architect—None.
Day's work $500

ALTERATIONS
(2396) 675 THIRTY-FOURTH ST., Oakland. Alterations.
Owner—Mrs. Trevchel.
Architect—None.
Contractor—P. J. Pickering, 549 36th St., Oakland. $409

DWELLING
(2397) N AUGA VISTA 500 E 38th Ave., Oakland. One-story 5-room dwelling.
Owner—Katharyn Ganic, Oakland.
Architect—L. F. Hyde, Oakland.
Contractor — Alex C. Wieben, 3602 Fruitvale Ave., Oakland. $3900

DWELLING
(2398) E DIMOND AVE. 475 N Hopkins, Oakland. One-story 4-room dwelling.
Owner—A. G. Radke, 615 58th St., Okd.
Architect—None.
Day's Work. $2500

DWELLING
(2399) W EVERETT AVE. 100 N E-38th St., Oakland. One-story 3-room dwelling.
Owner—L. G. Hudson, 1771 Evans Ave., Oakland.
Architect—None.
Day's Work. $2500

DWELLING
(2400) NE COR EXCELSIOR & Alma, Oakland. One and one-half story 8-room dwelling.
Owner — H. A. Heyn, 3517 Telegraph Ave., Oakland.
Architect—None.
Contractor — W. E. McChesney, 1315 San Lucas Ave., Oakland. $6500

ADDITION
(2401) JOAQUIN MILLER ROAD, Okd. Addition.
Owner—Chas. N. Champion.
Architect—None.
Day's Work. $1000

DWELLING
(2402) E LAGUNA AVE. 200 N Madeline, Oakland. One-story 5-room dwelling.
Owner—W. H. Taylor, 5001 Bond St., Oakland.
Architect—None.
Contractor—A. F. Anderson, 4332 Leach Ave., Okd. $3000

DWELLING
(2403) N McKINLEY AVE. 80 E Capelle, Okd. One-story 6-room dwelling.
Owner—Geo. W. Pratt, 829 Mead Ave., Oakland.
Architect—None.
Contractor—J. Jenkens, 6412 Raymond St., Oakland. $5000

SCHOOLS
(2404) NINETY-EIGHTH AVE. & Plymouth St., Okd. Five 1-story 1-room schools.
Owner—City of Oakland.
Architect—None.
Contractor — John R. Faulkes, 9828 E-14th St., Okd. $1700 each

SCHOOLS
(2405) THIRTY-FOURTH & Galindo Ave, Oakland. Six 1-story 1-room schools.
Owner—City of Oakland.
Architect—None.
Contractor — John R. Faulkes, 9828 E-14th St., Okd. $1700 each

FACTORY
(2406) E PEAR ST. 120 S Pearman, Oakland. One-story factory.
Owner—E. A. & A. L. Stone Co., Claus Spreckels Bldg., S. F.
Architect—None.
Day's Work. $3000

FACTORY
(2407) SE PEARMAIN AND PEAR St., Oakland. One-story factory.
Owner—E. B. & A. L. Stone, Claus Spreckels Bldg., San Francisco.
Architect—None.
Day's work. $3400

DWELLING
(2408) PROCTOR AND FLORENCE, Oakland. One-story 6-room dwig.
Owner—H. Christy, 5121 Manila Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(2409) E SEVENTY-SEVENTH AVE 150 N Hillside St., Oakland. One-story 5-room dwelling.
Owner—Fred Baumann, 2000 45th Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2410) W SIXTY-FIRST AVE 200 N Avenal Ave., Oakland. One-story five-room dwelling.
Owner—Wm. S. Kepple, 2633 63rd Ave., Oakland.
Architect—None.
Day's work. $3500

REPAIRS
(2411) 251 TWELFTH, Oakland. Fire repairs.
Owner—Cary & Hale.
Architect—None.
Contractor—A. H. Rose, 525 17th St., Oakland. $6000

DWELLING
(2412) N YGNACIO AVE 70 E 51st Ave Oakland. One and one-half-story 6-room dwelling.
Owner—Ove H. Michelet, 2516 High St., Oakland.
Architect—None.
Day's work. $3000

ALTERATIONS
1444 BROADWAY, Oakland. Store alterations.
Owner—The Gekco Co., S. F.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—Fink & Schindler Co., S. F. $19,700
NOTE — Recorded contract reported July 15, 1921. No. 2383.

ADDITION
(2413) 2907 WHEELER ST., Berkeley Addition.
Owner—B. D. Stuart, Premises.
Architect—None.
Contractor—G. T. Estey. $800

DWELLING
(2414) S COMMERCE WAY 60 E 15th Ave., Oakland. One-story 3-room dwelling.
Owner—E. D. Carroll, 1716 15th Ave.,
Architect—None.
Day's work. $1200

DWELLING
(2415) SW FIFTY-FIRST AVE AND E-14th St., Oakland. Two-story dwelling and stores.
Owner—P. F. Frambolo, 1314 51st Ave., Oakland.
Architect—None.
Contractor—J. O. Hunter, 1337 51st Ave., Oakland. $8750

GARAGE, ETC.
(2416) 76 MONTE VISTA AVE., Oakland. Erect garage and addition to building.
Owner—Earl D. White.
Architect—None.
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Piedmont. $2000

RECORDED

ELECTRICAL WORK
(2417) S MAGNOLIA AVE opp. Bonita Ave., Piedmont. Electrical work for high school.
Owner—Board of Trustees Piedmont High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor — Berkeley Electrical Co., 2142 Center St., Berkeley.
Filed July 16, '21. Dated June 1, '21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $7067
Bonds, $3533.50 and $3533.50. Surety, Fidelity & Deposit Co. Limit, 135 days. Forfeit, $10. Plans and specifications, none.

ADDITION
(2418) 1831 PARKER ST., Berkeley. Addition.
Owner—Ed Scholey, premises.
Architect—None.
Day's Work. $500

DWELLING
(2419) N APGAR ST. 200 E San Pablo, Okd. One-story 5-room dwelling
Owner — Emeryville Investment Co., 3920 San Pablo Ave., Okd.
Architect—None.
Contractor—Thos. Rutherford, 985 35th St., Oakland. $4000

ALTERATIONS
(2420) 200 BROADWAY, Oakland. Alterations.
Owner—J. Vignier, 1013 High St., Okd.
Architect—None.
Contractor — J. Perona, 570 7th St., Oakland. $500

ALTERATIONS
(2421) NE COR E-EIGHTH ST. & Can Ave., Oakland. Alterations.
Owner—Jos. P. Aguier.
Architect—None.
Contractor—L. Santos, 2212 E-17th St., Oakland. $500

ALTERATIONS
(2422) HOTEL CLAY TEN, Oakland. Alterations.
Owner—J. H. Durst.
Architect—None.
Contractor — F. A. Muller, Syndicate Bldg., Oakland. $500

ADDITION
(2423) 4115 HOPKINS ST., Oakland. Addition.
Owner—Sadie Edeau.
Architect—None.
Day's Work. $400

DWELLING
(2424) S MADELINE ST. 115 E Peralta Ave., Oakland. One-story 4-room dwelling.
Owner—L. E. Simmonds, 3876 Fruitvale Ave., Oakland.
Architect—None.
Day's Work. $2500

DWELLING
(2425) W MAYBELLE AVE. 100 S Bayo, Oakland. One-story 4-room dwelling.
Owner—W. F. Courtney, 3875 Maybelle, Oakland.
Architect—None.
Day's Work. $1500

GARAGE
(2426) 306 OAKLAND AVE., Oakland. Garage.
Owner—P. Peterson.
Architect—None.
Contractor—J. B. Petersen, 2035 38th Ave., Oakland. $850

ADDITION
(2427) 4416 PIEDMONT AVE., Okd. Addition.
Owner—H. J. Macario.
Architect—None.
Day's Work. $400

ADDITION
(2428) 1742 THIRTY-FIFTH AVE., Oakland. Addition.
Owner—S. Watz, 3265 E-14th St., Okd.
Architect—None.

Contractor—G. W. Steffen, 1941 Crosby Ave., Okd. $975

REPAIRS
(2429) 812 THIRTY-FIFTH AVE., Oakland. Fire repairs.
Owner—Capt. Seebe, 3503 West St., Oakland.
Architect—None.
Contractor—H. J. Edward, 1215 Poplar St., Oakland. $950

DWELLING
(2430) S THIRTY-NINTH ST. 400 E San Pablo, Oakland. One-story 5-room dwelling.
Owner — Emeryville Investment Co.,
Architect—None.
Contractor—Thos. Rutherford. $3600

ADDITION
(2431) 2732 CHANNING WAY, Berkeley. Addition.
Owner—Miss Minor Trustee. 1720 Euclid Ave., Berkeley.
Architect—None.
Contractor—Conner & Conner, Berkeley Way & Shattuck, Berkeley. $1000

ADDITION
(2432) 2031 HASTE ST., Berkeley. Addition.
Owner—Frank Jones, premises.
Architect—None.
Contractor—Owner. $400

ALTERATION & ADDITION
(2433) S E COR HASTE & DANA ST., Berkeley. Alterations and Addition to Church.
Owner—First Baptist Church, premises.
Architect—None.
Contractor—R. R. Bixby, 2447½ Webster St., Berkeley. .. $5000

ALTERATION
(2434) S E COR HEARST & EUCLID, Berkeley. Alterations.
Owner—W. W. Henry Co., Inc., 1809 Euclid Avenue, Berkeley.
Architect—None.
Contractor—Owner $500

ADDITION
(2435) 2919 HILLEGRASS AVENUE, Berkeley. Addition.
Owner—E. P. Dyer, premises.
Architect—None.
Contractor—W. T. Stan, 2306 Grove St., Berkeley. $650

DWELLING
(2436) N LINCOLN 166 W M'GEE, Berkeley. 1-st. 5-room dwelling.
Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.
Architect—None.
Contractor—Owner. $2500

GARAGE
(2437) 709 PERALTA AVE., Berkeley. Garage.
Owner—F. H. Abion, premises.
Architect—None.
Contractor—E. Silva, Pinole, Cal. $400

DWELLING
(2438) S SONOMA AVE. 100 N MONTEREY, Berkeley. 1-st. 4-room dwelling.
Owner—Mrs. Emma H. Benson, premises.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck & Addison, Berkeley. $2500

DWELLING
(2439) N SAN ANTONIO AVE., E ARLINGTON, Berkeley. 1-st. 6-room dwelling.
Owner—Anton Nelson, Richmond.
Architect—None.
Contractor—Ben Pearson, 2403 Grant St. Berkeley. $6500

ALTERATIONS
(2440) 2097 UNIVERSITY AVE., Berkeley. Alterations.
Owner—F. W. Perry, premises.
Architect—None.
Contractor—J. J. McGowan, 1622 Berkeley Way, Berkeley. $400

FLATS
(2441) N LAKE PARK AVE. 50 W Rand Ave., Oakland. Two-story, 12-room flats.
Owner—A. W. Kiel, 730 Lakeshore Ave. Oakland.
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Day's Work. $10,000

APARTMENTS
(2442) NW LAKE PARK & WESLEY AVES., Oakland. Two-story, 26-room apartments.
Owner—H. R. Hewelcke, 216 Pine St., S. F.
Architect—Clarence A. Tantau, 251 Kearny St.
Day's Work. $20,000

DWELLING
(2443) E MONTGOMERY 400 N Mather, Oakland. One-story 4-room dwelling.
Owner—Michael Dadone, 4481 Howe St., Oakland.
Architect—None.
Day's Work. $500

DWELLINGS
(2444) W PARK BLVD. 140 and 180 N Dolores, Oakland. Two 1-story 6-room dwellings.
Owner—P. E. Woodburn, 3965 Greenwood Ave., Oakland.
Architect—None.
Day's Work. $4000 each

FLATS
(2445) W RAND AVE. 110 N Lake Park Ave., Oakland. Two-story 16-room flats.
Owner—Mrs. Tillie Carpenter, 468 23rd St., Oakland.
Architect—None.
Contractor—Julius Anderson. $14,000

DWELLING
(2446) E 29TH AVE. 95 N E. 17th St., Oakland. One-story 5-room dwelling.
Owner—Skovnand & Peterson, 2879 E. 17th St., Oakland.
Architect—None.
Day's Work. $3000

FLATS & GARAGE
(2447) E WESLEY AVE. opp. Lake Park Ave. Two-story 13-room flats and garage.
Owner—A. Greenwald, 1338 Grand Ave., Oakland.
Architect—None.
Contractor—Jos. F. Rogers, 321 Oakland Ave., Oakland. $13,000

APARTMENTS
(2448) S WICKSON AVE. 125 E Walker Ave., Oakland. Two-story 12-room apartments and garage.
Owner—Louise F. Kingsland, 1528 Franklin St., Oakland.
Architect—None.
Day's Work. $13,050

DWELLING
(2449) N CEDAR 120 E Spruce, Berkeley. One-story 4-room dwlg.
Owner—R. S. Robinson, Le Roy Ave., Berkeley.
Architect—None.
Contractor—H. H. Porter, 2616 Cedar St., Berkeley. $2000

ALTERATIONS
(2450) 2731 CLAREMONT BLVD., Berkeley. Alterations.
Owner—D. H. Swobe, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley. $1000

ALTERATIONS
(2451) 2401 CHANNING WAY, Berkeley. Alterations and repairs.
Owner—Mrs. Seabury, Hotel Carlton, Berkeley.
Architect—None.
Contractor—John M. Bartlett, 1706 Parker St., Berkeley. $1000

ALTERATIONS
(2452) 2425 SPAULDING AVE., Berkeley. Alterations.
Owner—Geo. A. MacDonell, Premises.
Architect—None.
Day's work. $500

ADDITION
(2453) NE SANTA CLARA AND Chestnut, Alameda. Add to church
Owner—First Presbyterian Church, Premises.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Day's work. $16,000

ADDITION
(2454) 3008 SANTA CLARA AVE., Alameda. Addition.
Owner—E. Allen, Premises.
Architect—None.
Contractor—E. A. Randlett, 1534 Chestnut St., Alameda. $700

REPAIRS
(2455) 915 CHESTNUT, Alameda. Repairs.
Owner—D. Elmer Dyer, Premises.
Architect—None.
Contractor—A. T. Spence, 641 Taylor Ave., Alameda. $600

DWELLING
(2456) S COTTAGE 60 W Walker Ave., Oakland. One-story 6-room dwlg.
Owner—W. J. Baker, 2255 Ransome Ave., Oakland.
Architect—None.
Day's work. $4900

ALTERATIONS
(2457) 5525 COLLEGE AVE., Oakland. Alterations.
Owner—Piggley Wiggley Stores.
Architect—None.
Contractor—N. Christiansen, 3014 E-19th St., Oakland. $1000

ALTERATIONS
(2458) SW E-FOURTEENTH AND 46th Ave., Oakland. Alterations.
Owner—Mueller Bros., Premises.
Architect—None.
Day's work. $4000

SCHOOL
(2459) FRUITVALE AND TALLAND, Oakland. One-story 8-room school
Owner—City of Oakland.
Architect—None.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco. $49,054

ALTERATIONS
(2460) 1016 FILBERT ST., Oakland. Alterations.
Owner—John Dominick.
Architect—None.
Contractor—O. M. Hart, 1312 Filbert St., Oakland. $400

DWELLING
(2461) E FIFTY-SIXTH AVE 494 N E-14th, Oakland. One-story four-room dwelling.
Owner—G. K. Holloway Jr., 1502 56th Ave., Oakland.
Architect—None.
Day's work. $2000

APARTMENTS
(2462) SW GRAND AVE AND JEAN St., Oakland. Three-story 29-room apartments.
Owner—Dr. J. J. Moyer, 690 Lakeshore Ave., Oakland.
Architect—None.
Day's work. $25,000

APARTMENTS
(2463) E LAKESHORE AVE 50 N Santa Ray Ave., Oakland. Two-story 19-room apartments.
Owner—Barnett & Mayerstein, Okd.
Architect—None.
Contractor—Harry Schwalm, Hayward $18,000

DWELLING
(2464) N MANDANA BLVD. 250 E Lakeshore Ave., Oakland. Two-story 5-room dwelling.
Owner—H. H. Osbourn, San Francisco.
Architect—None.
Contractor—S. G. Rankin, 712 Haddon Road, Oakland. $6900

DWELLING
(2465) SW STANLEY AVE AND Hollywood Blvd., Oakland. Two-story 4-room dwelling
Owner—Jean Courteilles, 488 Hopburn St., San Leandro.
Architect—None.
Day's work. $2000

DWELLING
(2466) SW SIXTY-FOURTH AVE & Majestic St., Oakland. One and one-half-story 5-room dwelling.
Owner—J. A. Ransom, 3049 Wheeler St., Oakland.
Architect—None.
Contractor—P. P. Huber, 835 16th St., Oakland. $3400
ADDITION
(2467) 4111 TERRACE ST., Oakland. Addition.
Owner—Mrs. King, Premises.
Architect—None.
Contractor—C. S. Barnard, 591 24th St., Oakland. $900

ALTERATIONS
(2468) 4615 WEST ST., Oakland Alterations.
Owner—Mrs. Comas.
Architect—None.
Day's work. $500

ADDITION
(2469) 233 WAVERLY ST., Oakland. Addition.
Owner—Mrs. A. L. Wessa
Architect—None.
Contractor—J. W. Forbes, 841 Union St., Oakland. $2600

DWELLING
(2470) 1628 CAPISTRANO, Berkeley. One-story 5-room dwelling.
Owner—A. H. Pallen, 686 61st St., Oakland.
Architect—None.
Day's work. $3750

ALTERATIONS
(2471) 2617 ETNA, Berkeley. Alterations and additions to dwelling.
Owner—Mathew C. Lynch, Premises.
Architect—None.
Contractor—Fred J. Westlund, 351 12th St., Oakland. $1700

ALTERATIONS
(2472) 2401 ELLSWORTH, Berkeley. - Alter dwelling into apartments.
Owner—I. W. McCullough, 1018 Evelyn St., Albany.
Architect—None.
Contractor—W. I. Rush, 2117 Center St., Berkeley. $1500

DWELLING
(2473) NE COR. CARRINGTON ST. & 40TH Ave., Oakland. One-story 4-room dwelling.
Owner—E. M. Marquis, 2828 Russell St., Berkeley.
Architect—None.
Day's Work. $2000

DWELLINGS
(2474) N CARRINGTON 50 and 90 E 40th Ave., Oakland. Two 1-story 4-room dwellings.
Owner—E. M. Marquis, 2828 Russell St., Berkeley.
Architect—None.
Day's Work. $2000 ea.

DWELLING
(2475) SW COR. EDGEWOOD AND EVERETT Aves., Oakland. One-story 5-room dwelling.
Owner—Mrs. Katie Whennéry, 2267 Clinton St., Alameda.
Architect—None.
Contractor—Mason, McDuffie Co., Shattuck & Addison, Oakland. $3500

APARTMENTS
(2476) SW COR. ELWOOD & GRAND Aves., Oakland. Two-story 24-room apartments.
Owner—J. Edwards, 1836 9th Ave., Oakland.
Architect—None.
Contractor—F. A. Muller, Syndicate Bldg., Oakland. $25,000

DWELLING
(2477) N HOPKINS ST. 62½ W Brown Ave., Oakland. One-story 3-room dwelling.
Owner—Mary E. Hunt, 3604 High St., Oakland.
Architect—None.
Contractor—Hugh H. Hunt. $500

DWELLING
(2478) N HARVEY ST. 200 E 55th Ave., Oakland. One-story 5-room dwelling.
Owner—M. Whitney, 375 Noe St., San Francisco.
Architect—None.
Contractor—H. R. Abrahamson, 41 Yosemite Ave., Oakland. $2992

DWELLING
(2479) E SEMINARY AVE. 80 S Bond St., Oakland. One story 5 room dwelling.
Owner—H. C. Miller, 2456 Seminary Ave., Oakland.
Architect—None.
Day's Work. $3500

APARTMENTS
(2480) NE COR. WELDON & WALKER Ave., Oakland. Three-story 20-room apartments.
Owner—A. Lubrit, 1215 44th Ave., Oakland.
Architect—None.
Contractor—Joe Boeddeker, 1814 34th Ave., Oakland. $15,000

RECORDED

LIBRARY
(2481) SE COR. ALLSTON WAY & Dora St., Berkeley. Shades and linoleum for library.
Owner—The Pacific Unitarian School for the Ministry (Inc.), premises.
Architect—Wm. C. Hays, First Natl. Bank Bldg., San Francisco.
Contractor—D. N. & E. Walter & Co., 562 Mission St., San Francisco.
Filed July 21, 1921. Dated July —— Sat. after 1st ea. mo. 75%
Usual 35 days 25%
TOTAL COST, $964.70
Bond, $241.20. Sureties, U. S. Fidelity & Guaranty Co. Limit, 25 work. days. Forfeit, none. Specifications and plans filed.

(2482) PAINTING ON ABOVE
Contractor—D. Zelinsky & Sons, 180 Jessie St., San Francisco.
Filed July 21, '21. Dated July 13, '21 Payments as above.
TOTAL COST, $625
Bond, $157. Surety, American Indemnity Co. Limit, 10 working days. Forfeit, none. Plans and specifications filed.

(2483) EXCAVATION, GRADING, CONcrete work, carpentry and millwork on above.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
Filed July 21, 1921. Dated July —— Payments as above.
TOTAL COST, $16,204
Bond, $4051. Surety, London & Lancashire Indemnity Co., Limit, 195 working days. Forfeit, none. Plans and specifications filed.

(2484) ELECTRIC WORK ON ABOVE
Contractor—Butte Electric & Mfg. Co., 534 Folsom St., San Francisco.
Filed July 21, '21. Dated July 13, '21. Payments as above.
TOTAL COST, $925
Bond, $232. Surety, U. S. Fidelity & Guaranty Co. Limit, 45 working days. Forfeit, none. Plans and specifications filed.

(2485) LATHING & PLASTERING ON above
Contractor—William Makin, Oakland.
Filed July 21, '21. Dated July 13, '21. Payments as above.
TOTAL COST, $4125
Bond, $1032. Surety, Globe Indemnity Co. Limit, 40 working days. Forfeit, none. Plans and specifications filed.

(2486) ROOFING AND SHEET METAL work on above.
Contractor—W. Heidt Cornice Works, 152 1st St., San Francisco.
Filed July 21, '21. Dated July 13, '21.
Payments same as above.....
TOTAL COST, $3175
Bond, $794. Surety, Globe Indemnity Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(2487) PLUMBING ON ABOVE.
Contractor—Carl T. Doell, 467 21st St., Oakland.
Filed July 21, '21. Dated July 13, '21.
Payments same as above.....
TOTAL COST, $723
Bond, $181. Surety, U. S. Fidelity & Guaranty Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.
(2488) HEATING ON ABOVE.
Contractor—L. D. Frazee, 699 36th St., Oakland.
Filed July 21, '21. Dated July 13, '21.
Payments same as above.....
TOTAL COST, $1512
Bond, $378. Surety, U. S. Fidelity & Guaranty Co. Limit, 10 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
July 19, 1921—HOME OF ETERNITY Cemetery, Oakland. First Hebrew Congregation to G A Scott.....July 18, 1921
July 19, 1921—S BROOKDALE AVE. bet. 38th Ave. and High St. Alex Frandsen to J. B. Petersen.....July 17, 1921
July 19, 1921—LOT 49, BLK. 6, Berkeley Heights, Berkeley. Hugh Martin to whom it may concern.....July 6, 1921
July 19, 1921—W ALICE ST. 1058 N 13th St. N 156 W 150, Oakland. Service Garage Co. Inc. to R. Ehrhart Co. .....July 13, 1921
July 19, 1921—LOT 3, Fremont High School Tract, Oakland. Henry Root to Calvin G. Hildebrand.July 18, 1921
July 18, 1921—435 LEE ST., Oakland. G. Anderson to F. W. Maurice.....July 15, 1921
July 18, 1921—N TWENTIETH ST. 61.87 E San Pablo Ave. th along 20th St. 36.27 NE 114 NW 86.27 SE 35.33 SW 9.25 SW 78.12 Oakland. N. P. Damianakes to Nelson and Forsyth .....July 11, 1921
July 16, 1921—S 40 of N 80 Lots 14 & 15 Blk 27 Amended Map Fairmount Park, Berkeley. Reed W. Thomas to whom it may concern .....July 10, 1921

July 16, 1921—1542 GRANT ST., Bkly. G. E. Raitt to whom it may concern .....July 15, 1921
July 16, 1921—PTN 104.79 NW of SW Cor tract land conveyed by Emily B. Hopkins to East Shore Water Co. recorded 741 deeds page 195 NW 50.9 NE 150.37 SE 50 SW 162.86, Bkly. Arthur V. Jory to C. H. Warren .....July 13, 1921
July 16, 1921 — W THIRTY-THIRD Ave. 390 N Farnum St. N 35 W 105, Okd. Geo. B. & Lucille Hanson to Jos. Flittner.....July 14, 1921
July 15, 1921—LOT 37 BLK 5 Map Melrose Heights, Oakland. Wm. L. Burkard to C. F. Lodge. July 14, 1921
July 13, 1921—WEST ALAMEDA, Alameda. Southern Pacific Co to American Dredging Co..July 2, 1921
July 13, 1921—LOT 16 BLK 35 Amended Map Fairmont Park, Albany. Dorothy M Brown to whom it may concern.....July 6, 1921
July 13, 1921—LOT 45, Cherry Acres, San Leandro. A M Emerson to Otis Knight.....July 7, 1921
July 13, 1921—LOT 11 BLK H, Northbrae, Berkeley. Henry P Smith to Emil Person.....July 8, 1921
July 13, 1921—NW AYALA AND Miranda N 42.50 W 100.82 SW 35 E 84.11, Oakland. Chas G Murra to whom it may concern....July 1, 1921
July 11, 1921—NE CASTRO AND A N 56 E 92 S 56.2 E to pt. beg. Hayward. Associated Oil Co to M E Fernandes.....July 1, 1921
July 11, 1921—LOT 4 BLK 20, Lakeshore Highlands, Okd. Ashley and Freda Smith to whom it may concern.....July 8, 1921

RECESSION OF CONTRACT

Alameda County

July 16, 1921 — Board of Trustees Piedmont High School District of Alameda County with J. F. Leonard (Berkeley Electrical Co.)

Notice of Non-Responsibility

ALAMEDA COUNTY

July 13, 1921—W. S. Taylor will not be responsible for any debts contracted by Co-Operative Elec. Co.
July 12, 1921—571 MIRA VISTA AVE., Oakland. A. S. & Sadie Pencovic as to improvements on property.

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
July 16, 1921—LOT 87 Map Oak Park Tract, Oakland. P R Duner and Chas B Matheny (Duner-Matheny Sash & Door Co) vs W C Marshall, B O Rasmussen and Albert Abrams $98
July 16, 1921—LOT 87 BLK 731-2200 Map Oak Park Tract, Oakland. E L Blackman Co vs W C Marshall, B O Rasmussen, John Doe, Jane Doe and B. P. Co.....$435.24
July 15, 1921—LOT 87 Map Oakland Tract, Oakland. H. C. Brown Roofing Co., $200; Oakland Lime and Cement Company, $419.95 vs Albert Abrams, W. C. Marshall, B. O. Rasmussen.
July 14, 1921—LOT 87 Map Oak Park Tract, Oakland. F J Judge and J J Connolly (as California Mortar Co) vs W C Marshall, Albert Abrams and B O Rasmussen.....$98

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
July 12, 1921—(1) PTN ANGHINbaugh 223.374 acre tract; (2) Lots 22, 25, 26, 27 and Ptn Lots 23 and 24 Sec 11 and Lot 6 Sec 14 Tp 2, S Range 4 West M D M Map Sale Map No. 10, Salt Marsh and Tide Lands, Alameda. Sunset Lumber Co. $3335.96; J O Davis, $4800; C S Christensen, $167.50; Panama Lumber & Mill Co, $1310.42; Santa Fe Lumber Co, $3523.25; A T Spence, $7901.27 to Surf Beach Amusement Co et al .....
July 11, 1921—NW COR E-28th St & 25th Ave. Okd. Patrick Brackett, $65; P O Spott, $213.20; Powell Bros Const Co, $204.70; Duner-Mathey Sash & Door Co, $185.85 to W E & Louise Kosdy.

HOMESTEADS

July 19, 1921—LOT 29, Blk M, Map Northbrae Terrace, Berkeley. Emma K. Scheibner.....$5000
July 19, 1921—W PERALTA ST. 90 S 9th St. S 35 W 100, Oakland. Lizzie King (wf. John) $3000
July 19, 1921—LOT 52, Map Jeannette Von Ah Tract, Oakland. George and Fannie G. Pustich.....$5000
July 19, 1921—LOTS 1, 2, 3, 4, Blk. G, Map Rose Part Tract, Oakland. Bernt Johnson $4000
July 18, 1921—LOT 14 BLK 6 Map resubdivision port North Cragmont Mrs. F. H. Sanderson (wf F. H.) $3000
July 18, 1921—LOTS 26 & 27, Blk. P, Map Fruitvale Boulevard Tract, Oakland. Frank F. Frederick.... ..... $5000
July 18, 1921—S 35TH ST., 357-9 E Market St. S 69 S 51-3 E 37-6 N 51-3 N 69 W 37-6. Rebecca Averett (wf. Alexander).....$4300
July 15, 1921—SW COR ARKANSAS St. & Curran Ave. W 35 S 100, Okd. Elizabeth McCarthy (wf J. J.)..$5000
July 16, 1921—LOTS 1, 2, 3, 4 & S 26 Lot 21 Map Young's Subdivision of Lots 27 to 38 inclusive of Blk A Spaulding Tract, Bkly. Agnes S. Patterson (wf G. D.).....$5000
July 16, 1921—E SPRUCE ST. 120 S Vine St. S 60 E 134-7, Bkly. Clara Belle Lyon (wf Henry F.).....$7500
July 16, 1921—S MERRIMAC ST. 660 W Telegraph Ave. W 40 S 69.66, Okd. Margaret A Durant (wf Durant W) $5000
July 16, 1921—LOTS 17, 18 & 19 Blk N Map Laurel Grove Park, Okd. Minnette P. Taylor (wf John C.) $3500
July 15, 1921—NE E-TENTH ST. 37-6 SE 33rd Ave. SE 37-6 NE 105, Okd. Pascual M. & Concepsion Robles $3000
July 15, 1921—NW SHAFTER AVE. 180 NE Hudson St. NE 40 NW 100, Okd. Albert & Florence M. Lake $5000
July 13, 1921—LOT 258 Map Fourth Avenue Terrace Extension, Okd. Wm Y Bell $5000
July 13, 1921—LOT 9 BLK 29 Map Tract B, Berkeley L. T. I. Assn., Berkeley. Margarete Connors (wf Kyran J) $1400
July 13, 1921—NW CLEVELAND AND Montclair Aves N 52.60xW 110, Okd. Wesley Adams $6500
July 12, 1921—PORTION LOT 85 Map Pleasant Valley Court, Oakland. Lillius L. Perkins.....$4500
July 12, 1921—NW 37 of SE 47 LOT 2 Blk 10 Map Boulevard Park, Okd. Mamie B. Wiedaman (wf Geo. J.) $5000
July 12, 1921—S TWELFTH ST 338 E Center St. E 26 S 110, Okd. Hilda Moe (wf Albert C).....$3000
July 11, 1921—NE ARTHUR 50 SE Church SE 50xNE 145, Oakland. Estella Y Cardwell (wf A A)...$4500
July 11, 1921—N PACIFIC AVE 190 E Chapin E 54xN 150, Alameda. H B Hobson $4500
July 11, 1921—LOT 26 Map Littlefield Tract, Oakland. Francis E and Emma B Thompson $2500

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
921 TERRACE AVE., Fresno. Dwelling & garage.
Owner—M. R. Hall.
Architect—None.
Contractor—Montgomery Thomas, 1642 L St., Fresno. $5000

DWELLING
2950 NEVADA AVE., Fresno. Dwelling
Owner—J. E. Nowlin, 3020 McKenzie, Fresno.
Architect—None.
Contractor—R. D. Potter. $1000

STORE
1466-70 VAN NESS BLVD., Fresno. Store.
Owner—F. O. Gardner, 709 Peralta St., Fresno.
Architect—None.
Contractor—R. J. Hastings. $6000

DWELLING
1325 COLLEGE AVE., Fresno. Dwelling.
Owner—Mrs. Eva Motridge.
Architect—None.
Day's Work. $2500

PORCH
345 MODOC AVE., Fresno. Porch.
Owner—C. Mahling, premises.
Architect—None.
Contractor—J. Schneider, 830 Ferber St., Fresno. $600

GRADING
EXTENSION OF RAILROAD near El Prado, Fresno. Grading roadbed.
Owner—S. P. Co.
Architect—None.
Contractor — Federal Const. Co., Call Bldg., S. F. $1.25 per cu. yd.
Filed July 15, 1921.

DWELLINGS
143-135 & 127 FRESNO ST., 910-978 & 969 Vagedes St., Fresno. Six frame dwellings.
Owner — Fresno Building Corp., 3505 Platt St., Fresno.
Architect—None.
Day's Work.
$4000, $3800, $5000, $2900, $3000 & $3800

ALTERATIONS
SANTA FE AVE., Fresno. Alter dwlg.
Owner—K. Arkelian, Fresno.
Architect—None.
Contractor—C. G. Mills, Fresno. $1200

ALTERATIONS
910 J ST., Fresno. Alterations.
Owner—P. M. Mall, Fresno.
Architect—None.
Day's work. . . . $500

GARAGE
3144 KERCKHOFF AVE., Fresno. Garage.
Owner—C. C. Anderson, Premises.
Architect—None.
Day's work. $500

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
July 16, 1921—W 41 ft of LOT 1 also E 120 ft of N ½ of Lot 1 Blk 17 Wilson North Fresno Tract. R. C. Kennedy to whom it may concern .....July 12, 1921
July 15, 1921—LOTS 22 TO 25 BLK 20, Belmont Addition, Fresno. E G Elkins to whom it may concern .....May 1, 1921
July 14, 1921—PORTION OF LOTS 19, 20 Bk 2 Villa Addition, Fresno. D. Thomas to whom it may concern .....July 11, 1921

LIENS FILED

FRESNO COUNTY.

Recorded Amount

July 19, 1921—LOTS 49 TO 52 BLK 8 Van Ness Heights, Fresno. Bingham-Wenks Planing Mill vs F S Kennedy, H P Jayne and R D Paul et ux .....$394 and $399

July 19, 1921—PTN NE ¼ of Lot 1, Weihe Home Tract, Fresno. Routt Lumber Co vs Newmarch Sign Co and Chas E Metz.....$249

July 18, 1921—LOTS 21, 22 AND 23 Blk 3, Villa Addition, Fresno. Kutner-Goldstein Co vs M H Horsfull $202

July 18, 1921—LOTS 6 AND 7 BLK 7, Lincoln Terrace, Fresno. Fresno Hardware Co vs F J Sutherland..$16

July 15, 1921—LOTS 49 TO 52 BLK 8, Van Ness Heights, Fresno. H H Davidson vs F S Kennedy and Betterbuilt Constr Co.....$91

July 15, 1921—LOTS 17 TO 20 BLK 334, Fresno. H H Davidson vs G H Stivers $105

July 14, 1921—LOT 1 E 13½ ft of Lot 2 Blk 3 Hollandia Tract, Fresno. G H Stivers vs John Vierwenden.. ..... $252

BUILDING CONTRACTS

SACRAMENTO COUNTY.

DWELLING
4532 ELEVENTH AVE., Sacramento. Five-room frame dwelling.
Owner—Fred Francies, 4625 10th Ave., Sacramento.
Architect—None.
Day's work. $3500

ALTERATIONS
710-12 SEVENTEENTH ST., Sacramento. Remodel interior for bath
Owner—Mrs. R. W. Cuvellier, Premises.
Architect—None.
Day's work. $1000

COTTAGE
2122 X ST., Sacramento. One-story 5-room frame cottage.
Owner—H. D. Jones, 1530½ T St., Sacto
Architect—None.
Day's Work $2700

DWELLING
3731 T ST., Sacramento. Two-story 14-room frame & stucco dwelling.
Owner—C. M. Goethe, 3730 S St., Sacto
Architect—Miss Julia Morgan, Merchants Ex. Bldg., S. F.
Contractor—F. A. Kurtz, premises. $18,000

DWELLING
2978 STOCKTON BLVD., Sacramento. One-story 4-room dwelling.
Owner—M. Petrila, 4431 5th Ave., Sacto
Architect—None.
Contractor—Warren & Beebe, 606 25th St., Sacto. $2500

ADDITION
3827 I ST., Sacramento. Add 3 rooms to dwelling.
Owner—W. Pierce.
Architect—None.
Contractor—W. R. Saunders, 2614 I St., Sacto. $1800

DWELLING
2329 FOURTH AVE., Sacto. One-story 6-room frame dwelling.
Owner—Mrs. L. Marks, 1717 I St., Sacto
Architect—None.
Contractor—W. R. Saunders, 2614 I St., Sacto. $4300

DWELLING
4125 H ST., Sacramento. One-story 6-room frame dwelling.
Owner—Mrs. Mary I. Moore, 1233 V St., Sacramento, Calif.
Architect—None.
Day's Work. $3,500

DWELLING
927 52ND ST., Sacramento, Cal. 1-story 4-room dwelling.
Owner—John McCabe, 758 52nd St., Sacramento.
Architect—None.
Day's Work. $1400

BUILDING CONTRACTS

SACRAMENTO COUNTY

ADDITION
200 FORTY-THIRD ST., Sacramento. Three room addition to building.
Owner—Geo. A. Christopher, Premises.
Architect—None.
Day's work. $500

BUNGALOWS
3218 AND 3224 S ST., Sacramento. Two frame and stucco 5-room bungalows.
Owner—J. W. Brown, 3410 38th St., Sacramento.
Architect—None.
Day's work. $3200 each

COTTAGE
3823 S ST., Sacramento. Frame three-room cottage.
Owner—Mrs. Harriet Pettman, 630 M St., Sacramento.
Architect—None.
Day's work. $500

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted

July 18, 1921—LOT 6238 Mission Trecho, Sacramento. Manuel C Valine to whom it may concern..... .....July 16, 1921

BUILDING CONTRACTS

SANTA CLARA COUNTY

BUILDING
27TH & SANTA CLARA STS., San Jose All work for one-story corrugated iron freight depot.
Owner—Western Pacific Railroad Co., San Francisco, Calif.
Architect—None.
Contractor—R. O. Summers, 17 N. 1st St., San Jose, Cal.
Dated July 16, 1921. Filed July 18, 1921.
As work progresses 75%
36 days after completion 25%

Total $5981
Bond $3,000.00. Securities Oscar Promis and Geo. C. Fuhrman. Limit, 30 working days from date. Forfeit $100.-00 a day. Specification and plans filed.

ALTERATIONS
350 S-SIXTH ST., San Jose. Alterations.
Owner—F. L. Hollingsworth, Premises.
Architect—None.
Day's work. $400

ALTERATIONS
251 S-FIRST ST., San Jose. Alterations
Lessee—Patterson Pharmacy, 207 S-1st St., San Jose.
Architect—H. Krause, Bank of San Jose Bldg., San Jose.
Contractor—G. M. Latta, 95 Viola St., San Jose. $975

ALTERATIONS
127 S-FIRST ST., San Jose. Alter front, etc.
Lessee—W. L. Prussia & Co., Premises.
Architect—Herman Krause, Bank of San Jose Bldg., San Jose.
Contractor—G. M. Latta, 95 Viola St., San Jose. $8000

ALTERATIONS
71 DEVINE ST., San Jose. Alterations.
Owner—Mrs. B. F. Ward.
Architect—None.
Contractor—Wm. J. Moore, 75 Duane St., San Jose. $1500

COTTAGE
HOLLYWOOD AND ROSE COURT, San Jose. Four-room cottage.
Owner—Mrs. D. Berrar, 799 S-9th St., San Jose.
Architect—None.
Day's work. $1400

DWELLING
542 N-FIFTH ST., San Jose. Six-room dwelling.
Owner—John Salamida, Premises.
Architect—None.
Day's work. $1975

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted

July 15, 1921—PTN LOT 2 BLK 21, Chapman-Davis Tract, San Jose. J C Bondi to whom it may concern .....July 12, 1921

July 15, 1921—SAN JOSE. J T Walsh to whom it may concern... .....July 6, 1921

July 15, 1921—PTN LOT 2 BLK 21, Chapman-Davis Tract, San Jose. J C Bondi to whom it may concern .....July 12, 1921

July 14, 1921—LOT 96 BLK L Orchard Park Tract, San Jose. Mrs. Maude Poralla to J. A. Lemieux. July 9, 1921

July 13, 1921—PART OF LOTS 12 & 13 Blk 9 of the Reed Addition, San Jose. J. A. Wagner to whom it may concern .....July 5, 1921

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

RESIDENCE
EAST SONOMA AVE., Stockton. Residence and garage.
Owner—Stockton Land Ass'n., 323 E-Weber St., Stockton.
Architect—None.
Day's work. $4300

GARAGE
COR. FAIR OAKS AND HORACE Ave., Stockton. Garage.
Owner—K. E. Meredith, Stockton.
Architect—None.
Day's work. $400

RESIDENCE
SHARON AND MORMON STS., Stockton. Residence.
Owner—A. F. McCombe, Stockton.
Architect—None.
Day's work. $1000

ADDITION
612 EAST SONORA ST., Stockton. Addition to residence.
Owner—Velma Pfeiffer, Premises.
Architect—None.
Day's work. $900

RESIDENCE
EAST ANDERSON, Stockton. Residence.
Owner—Marie Henderson, 621 E-Anderson St., Stockton.
Architect—None.
Day's work. $3000

STORE BLDG.
FAIR OAKS AVE., Stockton. Store building.
Owner—G. Ghigheri, 2077 E-Market St., Stockton.
Architect—None.
Day's work. $8000

ALTERATIONS
EL DORADO AND OAK STS., Stockton. Remodel building.
Owner—J. V. Craviotto and A. J. Ferrogaro, Commercial & Savings Bk. Bldg., Stockton.

Architect—Not Given.
Day's work. $12,000

RESIDENCE
COR. S-AMERICAN AND FOURTH Sts., Stockton. Residence.
Owner—Mrs. Matilda Darrow.
Architect—None.
Day's work. $1750

RESIDENCE
WEST JACKSON, Stockton. Residence
Owner—J. I. Kestin.
Architect—None.
Day's work. $900

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

Recorded Accepted
July 18, 1921—LOT 27 in Block "A" Bours Tract, Stockton. Bessie Anne Carr to H. Le Blanc...July 9, 1921

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
July 15, 1921—LOT 10 Creanor Tct, Stockton. Simpson Gray Lumber Co vs Alice Cooper and L Stagmillar $110.39
July 14, 1921—LOT 23 BLK 12 Lodi, Barnhart Tract. Lodi Lumber Co. vs R. G. Filler.....$713.89

BUILDING CONTRACTS

SAN MATEO COUNTY

Usual 35 days 1495

SANITARIUM
ALEXANDER SANITARIUM, Belmont. Rough plumbing, sewering, water heating, oil tank, finished fixtures, furnace and radiators for Therapeutic Bath and Administrative Bldg.
Owner—Mrs. A. S. Alexander, Belmont.
Architect—C. S. McNally, 23 Woodland Ave., San Francisco.
Contractor—George N. Zaro.
Filed July 20, '21. Dated July 20, '21.
Roughing in $2158
Completed 2158
35 Days 2159
TOTAL COST, $6475
Bond, $3240. Sureties, Geo. N. Law and John Sisich. Limit, 60 working days. Forfeit, plans and specifications, none.

BUILDING
LOT 38, Homestead Addition, San Mateo. All work except electric light fixtures and window shades for one-story building.
Owner—Wm. and Grace Schimmale, 1019 Noe St., San Francisco.
Architect—None.
Contractor—W. T. Croop and J. R. Bale, San Mateo.
Filed July 19, '21. Dated July 12, '21.
Frame complete $937.50
Plastered 937.50
Completed 937.50
Usual 35 days 937.50
TOTAL COST, $3750
Bond, $2000. Sureties, Joseph Britt and Miss Mary Ragan. Forfeit, plans and specifications, none.

RESIDENCE
LOT 9 AND PART OF LOT 7, Woodside Villas, Woodside. Plumbing, concrete, carpenter, rough hardware, glazing and painting for 1-story and basement residence.
Owner—Alexander Keenan, M. D., Flood Bld., San Francisco.
Architect—Alexander Wagstaff.
Contractor—Ed. Zinkand & Son, 434 10th Ave., San Francisco.
Filed July 19, '21. Dated July 18, '21.
Frame complete $1495
All shingles on, etc. 1495
Accepted 1495
TOTAL COST, $5980
Bond, none. Limit, 60 work days. Forfeit, plans and specifications, none.

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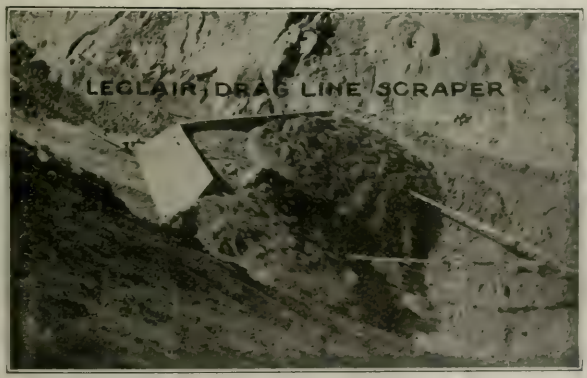

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Too Late to Classify

LOS ANGELES, Cal.—Sierra Concrete Co., 1743-B Garfield Pl., was awarded the contract by the County Supervisors at $84,853.52 for grading and paving Anaheim-Spadra (Brea Canyon) road with 6-in. concrete.

PHOENIX, Ariz.—Warren Bros., were awarded the contract at about $45,000 to pave Culver St. from Central Ave. to 12th St.; White & Miller the contract at about $40,000 to pave E. Portland St. from Central Ave. to Seventh and R. L. Ballinger the contract at about $45,000 to pave S. Third St. from Jefferson to Grant.

FULLERTON, Orange Co., Cal.—The $280,000 bond issue for extensions and improvements to the municipal water system carried at a special election. A new distributing system will be constructed and the present 1,000,000 gallon reservoir will be enlarged to 5,000,000 gallon capacity.

LOS ANGELES, Cal.—Until 11 A. M., August 8, bids will be received by the Supervisors for paving Santa Monica Blvd. from La Brea Ave. to Fairfax (formerly Crescent) Ave., a distance of 5339 ft., in road district No. 3. A 6-in. concrete pavement 18 ft. wide will be laid on either side of the Pacific Electric tracks. The present macadam pavement will be torn up and will be replaced as a base for the concrete.

CALISTOGA, Napa Co., Cal.—Town Trustees, J. G. Finch, Clerk, passed resolution of intentions to construct 8-in. ironstone pipe sewer in portions of Lake street and Railroad avenue and a 6-in. ironstone pipe sewer in portions of Myrtle street, including the construction of two cement concrete flushing holes. Improvement Act of 1911. Protests will be heard August 5.

Plans Being Prepared
APT. HOUSE $200,000
MODESTO, Stanislaus Co. Four-story brick and reinforced concrete apt. house building, 74x140 (48 apts.)
Owner—S. J. Irwin.
Architect—W. Horace Austin, First Natl. Bank Bldg., Long Beach.

Preliminary Plans Prepared.
CHURCH Cost, $500,000
LOS ANGELES, Cal. Tenth and Reinforced concrete and art stone Figueroa Streets.
Class A church.
Owner—Immanuel Presbyterian Church
Architect—C. F. Skilling, 238 Bradbury Bldg., Los Angeles.

Contract to be Awarded.
CHURCH Cost, $19,750
SACRAMENTO, Cal.
One-story brick church.
Owner—Greek Community Church.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Contractor—Jas. L. McLaughlin, 251 Kearny St., San Francisco.

Preliminary Plans Approved
CHURCH Cost, $30,000
OAK PARK, Sacramento Co. Hollow tile church.
Owner—Methodist Church.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.

Plans Being Prepared.
MFG. PLANT Cost, $60,000
LOS ANGELES, L. A. Co., SE North Main and Gibbon Sts. Three-story and basement reinforced concrete drug manufacturing plant, 134x80.
Owner—R. Schiffman Medicine Co., Chamber of Commerce Bldg., Pasadena.
Architect—Jos. Blick, Dodworth Bldg., Pasadena.

LOS ANGELES, Cal.—Clinton Construction Co., San Francisco, S. A. Jubb, 211 E. Ave. 55, Los Angeles, representative, has the contract at about $12,000 for the labor for erecting a 2-story reinforced concrete garage at 1132 Orange St., Los Angeles, for E. P. Bosbyshell, W. J. Saunders, 227 Laughlin Bldg., Los Angeles, is the architect. The Hammond Lumber Co. will furnish the lumber and L. A. Rock & Gravel Co. will furnish the rock and sand.

Commissioned to Prepare Plans.
HOSPITAL Cost, $100,000
YREKA, Siskiyou Co., Calif.

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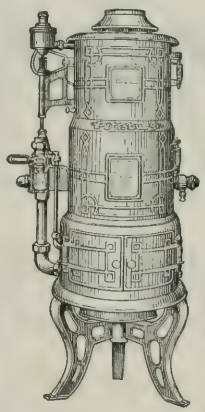
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PLUMBER
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Bet. Gough and Octavia San Francisco

One-story reinforced concrete hospital building.
Owner—Siskiyou County.
Architects—Geo. C. Sellon & Con, Mitau Bldg., Sacramento.

Figures To Be Taken in Three Weeks

ADDITION Cost, $100,000
LONG BEACH, L. A. Co. Two-story and basement brick addition, 40x100, to hospital.
Owner—Seaside Hospital, Long Beach.
Architect—W. Horace Austin, First Natl. Bank Bldg., Long Beach.

MADERA, Madera Co., Cal.—The Madera County Clerk, W. R. Curtin, will receive bids until September 20, 1921, at 10 a. m., for the sale of bonds of the Ripperdan School District in the sum of $25,000. The denominations of said bonds are $1000 and $2000 each, and are payable in from one to sixteen years from the date of issuance. The bonds bear interest at the rate of 6% per annum, interest payable annually.

PRESCOTT, Ariz.—An injunction suit has been filed to test the legality of a contract entered into by the Yavapai County highway commission with Olmsted & Gillelen, consulting engineers of Los Angeles, to supervise the construction of county highways under the $1,500,000 bond issue.

CAMARILLO, Ventura Co., Cal.—Until 2 P. M., August 2, sealed bids will be received by the Board of Trustees of Pleasant Valley School District, Camarillo, Ventura Co., for completion of a water system at Camarillo school building, in accordance with plans and specifications prepared by Architect Mott M. Marston, 535 I. W. Hellman Bldg., Los Angeles. Bids will be received as follows: (a) water system complete; (b) pressure tank and equipment only; (c) redwood reservoir tank; (d) pipe line, connections from reservoir tank to city supply and to pressure system only. Certified check or bidder's bond for 5% of amount of bid required.

SAN DIEGO, Cal.—Until 11 A. M., August 16, bids will be received by the Supervisors for grading and paving portion of Highland avenue between National City and Chula Vista comprising 3334 lin. ft. of 5-in. 1:2:4 concrete 18-ft. wide, unsurfaced. This work will be done under supervision of County Surveyor George Butler.

LA HABRA, Orange Co., Cal.—The Chamber of Commerce has appointed a committee to take up with the Supervisors the matter of forming a road improvement district to pave roads in the La Habra District, at an estimated cost of $105,000.

FRESNO, Fresno Co., Cal.—The Fresno County Board of Supervisors directed County Surveyor Jensen to prepare plans and specifications for the paving of Elm Ave. from Easton to the Kings County line. When this work is completed the highway will be paved from Fresno to Coalinga on the Kings County highway.

VISALIA, Tulare Co., Cal.—Immediate construction of Visalia's new $75,000 sewer extensions and iprovements has been ordered by the City Trustees who expect to receive bids about the middle of August. The bonds for this work were voted many months ago and the Board has delayed action in the hope of securing far more favorable bids.

YUBA CITY, Sutter Co., Cal.—Bids will be received until August 2, 1921, at 11 a. m., by the Board of Supervisors of Sutter County, Albert B. Brown, Clerk, for paving portions of B and C streets in Yuba City. Plans are on file in the office of the Town Clerk.

NAPA, Napa Co., Cal.—The Napa City Council, H. H. Thompson, Clerk, has awarded a contract to R. E. Errington on his bid of $9181.14, for the following street improvement:

That Main St. from the north line of Pearl St. to the north line of Caymus St. be graded and paved with a cement concrete pave ment 5-in. thick and 40 ft. wide, and concrete catchbasins with cast iron cover and sewer connections be constructed on four corners.

HAYWARD, Alameda Co., Cal.—R. F. Bucknam applied for a permit to put in a sewer on his extension to Pearce St., which he proposes to adorn with several unique and attractive bungalows and make a show place of his holdings. The request was granted.

MERCED, Merced Co., Cal.—The Board of Trustees of the city of Merced have awarded a contract for the paving of portions of 16th St. to John F. Knapp of Turlock. His bid was as follows:

Grading, per sq. ft.	$ .0335
Paving, per sq. ft.	.2575
Curbs, per lin. ft.	.59
Main culverts, per lin. ft.	8.05
Branch culverts, per lin. ft.	4.95
6-in. cast iron pipe, per lin. ft.	1.20
4-in. cast iron pipe, per lin. ft.	.85

YUBA CITY, Sutter Co., Cal.—Bids for the construction of slightly over half a mile of paved thoroughfare in Yuba City will be received August 2, 1921, by the Sutter County Supervisors.

The strip extends from the westerly city limits at the end of the route of the Tahoe-Ukiah highway to Ainsley Corner.

VENTURA, Ventura Co., Cal.—Until 11 A. M., August 2, bids will be received by Supervisors for grading and constructing culverts and storm ditch on 1½ miles of road in upper Ojai Valley from Sulphur mountain to Pan American Oil Company camp, involving 1750 cu. yds. excavating, 284 cu. yds. grouted boulders, 22 cu. yds. concrete in culverts, 1440 lbs. steel and 2250 ft. B. M. lumber in crossings. Certified check or bond for 10%. Plans and specifications may be obtained from County Surveyor Chas. Petit.

AMERICAN PLAN DISCUSSED

Special Meeting Held at Builders' Exchange

A special meeting was held at the Builders' Exchange, Tuesday, July 19, at 1:30 p. m., which packed the Exchange to its doors.

Athol McBean of the Chamber of Commerce gave an interesting address explaining to the members the principles of the American Plan. Following Mr. McBean, Andrew M. Lawrence, president of the Journal of Commerce, talked interestingly and voiced his opinion of this plan. Following Mr. Lawrence, Max Krull told the members that the American Plan, which has been established here, was here to stay. He outlined the policy of the plan and told how it is being supported by the business men and the public in general. Everyone was unanimous in his approval of these remarks and a rising vote of thanks was extended Mr. Krull for his splendid address.

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SAN FRANCISCO, CAL., JULY 30, 1921

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Twenty-first Year, No. 31

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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Survey Shows Engineering Construction Most Actvie

A tabulation of construction contracts awarded during the first half of 1921 made by Engineering News-Record from reports of projects collected from all parts of the U. S. shows a total valuation of $579,249,777. A tabulation of similar reports for the first half of 1920 shows a total valuation of $968,685,857. These reports do not include residential building or small construction projects. Classification of these contracts furnish a very accurate index to the changed conditions existing during the first 6 months of 1921 as compared with the corresponding period of 1920. A classified tabulation of contracts for the two periods is as follows:

	1921	1920
Waterworks ..	$ 15,254,685	$ 11,089,941
Sewers	18,236,055	12,557,239
Bridges	11,407,400	20,533,875
Streets & roads	172,389,863	154,798,306
Excavation ...	7,650,012	6,903,472
Industrial	55,909,425	314,159,543
Buildings	262,545,651	379,832,146
Federal Govt. .	14,391,106	16,663,976
Miscellaneous .	21,465,579	52,147,359
Total	$579,249,777	$968,685857

It will be noted that the greatest activity prevails in engineering construction which is made up almost wholly of public or quasi-public projects. Street and road contracts for 1921 exceed those for 1920 by $17,591,-557. There is a gain also of $4,164,744 in value of waterworks contracts and a gain of $5,679,816 in value of sewer contracts. This is a total gain of $27,-436,127 for these three classifications as compared with 1920.

Waterworks, sewers, streets and roads may properly be disignated as urgent construction because as a rule they are not undertaken until real necessity arises. A large number of these projects might have deferred for a time, however, had it not been for the industrial and business depression throughout the country as reflected by the recession in industrial and general building construction. Public works furnish a convenient means of taking up some of the slack labor in time of stress. For this reason public construction activities are always pushed during such periods.

Street and road work are particularly advantageous in periods of unemployment as they can absorb a larger proportion of unskilled labor than any other class of construction. It is fortunate that so much highway construction was pending when the industrial depression set in throughout the east and middle west and that funds were available to carry it on; otherwise months would have elapsed before, a very large proportion of the work could have been started.

FLORIDA ENGINEER STUDYING STATE HIGHWAYS

G. R. Ramsey, city engineer of Orlando, Florida, is in California making a study of the State Highway system. Mr. Ramsey is very much interested in highways at the present time and newspaper clippings from his home town section show the reason. On July 19 voters of Orange County, Florida, of which Orlando is the county seat, voted $2,500,000 in bonds to finance construction of a county highway system, the issue carrying by a majority of 1150 votes, or between 8 and 9 to 1. The county has a population of 25,000 and an assessed valuation of about ten million dollars. Mr. Ramsey is at present residing at 2416 Cedar St., Berkeley.

FRESNO ARCHITECTS REPORT BUSY SEASON

Indications that building construction is exceptionally active in the San Joaquin Valley section is shown in reports coming from that district. School construction is perhaps the most notable of the activities.

Architects Swartz & Ryland, Rowell Bldg., Fresno, report the preparation of plans for a $48,000 brick structure for the Malaga School District; a $35,-000 brick and stucco building for the McKinley District; a $10,000 auto shop for the Washington Union High School District and an $18,000 brick school for the Teague District. In addition to these projects the same architects are completing plans for a two-story brick and stucco residence to be erected in Fresno for Mrs. H. C. Tupper, the building to cost $25,000.

CITY ENGINEER O'SHAUGHNESSY OBJECTS TO AUTOS IN TUNNEL

City Engineer M. M. O'Shaughnessy in a report to Supervisor James Power on the feasibility of using the Twin Peaks tunnel for motor and other vehicular traffic outlined many objections to the plan.

Most important of the difficulties, O'Shaughnessy said, was the problem of adequate ventilation. With use of the tunnel by motor cars it would be absolutely necessary to provide safety from the noxious exhaust gases, the city engineer said, citing a case in Los Angeles, where in a tunnel only one-fourth as long as the Twin Peaks tunnel many women and children had been overcome by exhaust gas when a motor car parade passed through the tunnel.

Another thing to be considered, he said, was the tremendous expense involved in adapting the tube to motor traffic. He cited the expense of tearing up five miles of steel rails in the tunnel, as a different type of rail would have to be used, and the cost of laying pavement. At the time the tunnel was built, he said, it would probably have cost in the neighborhood of $1,500,000 to have adapted it to universal vehicle traffic. With present market conditions on materials, he intimated that it would now cost a great deal more.

LOS ANGELES PROPOSES TO WIDEN STREETS

The most revolutionary plan ever advocated in Los Angeles for the relief of traffic congestion — a plan which will involve the widening of Broadway, the widening and extension of Los Angeles, Figueroa and Fifth Sts., is announced by Chief Engineer H. Z. Osborne of the Board of Public Utilities, following an extended conference with Mayor Cryer and Public Utilities Commissioners Wirsching and King.

The plan to widen Broadway uniformly to a full 90 ft. along its course through the heart of the city's business section—will involve the tearing up of the sidewalks on both sides of the street and the tearing out of the first floor fronts of all downtown business houses, permitting the construction of new sidewalks in arcades along Los Angeles' main business thoroughfare.

The total value of manufactured products of the United States increased from $24,246,435,000 in 1914 to $62,-588,905,000 in 1919.

The Observer

According to a tabulation of wages in groups of cities throughout the country prepared by the Engineering News-Record, hod carriers are better paid in Los Angeles than in any other city. This table shows the wage in Los Angeles to be $1.12½ per hour, while in San Francisco it is $1. In other cities the wage ranges from 40 to 87½ cents, except at Atlanta, Ga., where it is 30 cents.

A reduction in wages from $11 to $10 per day has been voluntarily made by the bricklayers union of Visalia. A reduction to $8 per day is being considered by the carpenters union of the same city. Building trades in Hanford are also moving to lower the wage scale. Plumbers have accepted a reduction of $1 per day and carpenters contemplated similar action. Hod carriers are considering a new scale of $5, $6 and $7 per day for common labor in cement work, motar mixing and tempering, as compared with the present scale of $6, $7 and $8 per day.

Work on the Don Pedro dam which is to be built jointly by the Turlock and Modesto Irrigation Districth in Stanislaus County has been started with a grand rush. The railroad from Rosasco to Don Pedro to carry materials and supplies to the dam has been completed and excavation for the foundation of the dam is under way, more than 200 men now being employed at Don Pedro. It is expected that the project, which will cost more than $4,000,000 will be completed for the irrigation season of 1923.

Asa G. Proctor, County Engineer of Yolo, won a battle against the S. P. at Woodland when he commanded 200 men against 50 railroad defenders. The latter withdrew and left the victors free to lay a strip of pavement over which the battle raged. The county wanted to pave a strip leading up to the S. P. bridge at Grafton. The company objected and threatened to fight with steam from a locomotive if any one approached the bridge. Asa threatened to throw the S. P. people in the river, and went ahead with his work, whereupon the railroad forces withdrew.

Further indication that "San Francisco Knows How": A letter from Mayor Sun Fo of Canton, China, asks Mayor Jas. J. Rolph, Jr., for some ideas in building a modern city. The old wall surrounding Canton has been torn down, Mayor Sun Fo writes, and the municipality is ready to erect a modern city, so information regarding street car systems, electric lights, waterworks, sewers, playgrounds and other modern features is needed.

Dullness of the lumber market on the Pacific Coast is responsible for a cut of 5 cents an hour, in effect this week in Mendocino County woods and mills. In the period extending from 1916 to 1920 the increase in wages for mills and woodsmen, classed common labor, was 186 per cent.

According to T. J. Christal, secretary of the rental bureau of the Apartment House Owners, there is constantly increasing a demand for apartments which bids fair to create a shortage before winter.

The Anti-Corrosion Engineering Co., 117 W. 54th St., New York, has issued folders on "Deoxidizing Deactivator for Preventing Pipe Corrosion," and "De-Aerating Apparatus for Preventing Pipe Corrosion." Both folders devote much space to the working principles, installation and construction of these machines.

Chester H. Loveland, formerly hydraulic engineer for the State Railroad Commission, has been engaged by the Benicia City Trustees to make a physical valuation of the system of the Benicia Water Co. and to collect other data of value concerning municipal operation. A movement is on foot, fathered by the Trustees, toward the acquisition of a municipal water system.

The contractors building Oakland's schools must obtain a permit from the City Building Dept., according to an opinion of Deputy City Attorney John Earl. The building department holds that the Board of Education is a separate entity from the city and is not amenable to the city's building rules.

The San Francisco section, American Society of Mechanical Engineers, has endorsed the bridge-the-bay project. A resolution presented by E. C. Hutchinson, chairman of the section, declared: "Better and adequate means of communication between the East bay cities and San Francisco will tend to bring these communities close together and make for the civic and commercial betterment of the entire bay district."

J. G. Strugham, State Engineer of Nevada and national vice-commander of the American Legion, has accepted the invitation to act as national commander of the Legion while the regular commander, John G. Emery, is in France as the guest of the French Government. Strugham will act for a six weeks' period beginning August 3.

Chas. F. Ott, chief paving inspector for the City of Oakland, died suddenly July 25 from a heart attack. Ott was 61 years of age and had been in the city's employ for 23 years. R. M. Clement has been appointed to fill the vacancy.

Boosters in Tracy, San Joaquin County, are urging the establishment of a municipal gas plant.

Wm. Wright and L. R. Gallegos are operating under the name of Sunrise Lumber Co. at Modesto. Wright is well known in San Francisco and Alameda counties, having been connected with the lumber interests for the past ten years, a greater part of which time he represented the Sunset Lumber Co. of Oakland.

STAGNATION EXISTS IN BUILDING INDUSTRY

Despite predictions to the contrary and several recent attempts to start "build now" movements, the building industry, according to current reports, remains stagnant. That such should be the case is not surprising. Factors which originally checked the building program are still operating in many instances. Labor efficiency is reported to have improved measurably, but as far as can be learned not a great deal of progress has been made in materially cutting wages. Prices of building materials are still much higher in relation to pre-war levels than are prices generally.

There is but one basis on which there is likely to be a general revival of building, and that is one of costs which render the industry capable of attracting investors. It would be well if certain of our legislators, a number of our reformers and labor and the building material industries in general were to learn this elementary truth once for all—Commercial News.

CALIFORNIA WEEKLY BANK CLEARINGS

Bank clearings as reported to the California Development Board by the several clearing house cities for the week ending July 21, 1921, showing the amount of increase or decrease from the amount reported the corresponding week, last year:

		Decrease
San Francisco	$127,700,000	$46,300,000
Los Angeles	79,302,000	817,000
Oakland	9,730,442	935,134
Sacramento	5,155,016	807,514
San Diego, Not reported in time.		
Fresno	3,195,394	802,471
San Jose, Not reported in time.		
Pasadena	3,058,475	*814,293
Bakersfield	1,047,684	100,619
Long Beach	3,429,919	*834,334
Santa Rosa	402,472	12,172
Whittier, Not reported in time.		
Modesto	724,754	124,674
San Bernardino	1,153,613	.....

*Increase.

U. S. BUILDING IN JUNE

Los Angeles was fourth among the cities of the U. S. in building for the month of June, 1921. New York City led with a total of $38,457,046 for its five boros; Chicago was second with $7,484,200; Cleveland third with $6,634,400 and Los Angeles fourth with $6,269,546. Philadelphia, with $1,680,000 less than Los Angeles, was fifth and Detroit sixth. Oakland was eighteenth in the list with $1,486,022 and Portland, Ore., nineteenth with $1,428,685. No other Pacific coast cities reported more than a million dollars worth of building. San Francisco was 30th in the list with $950,965 and Seattle was close on San Francisco's heels.

STEEL PILING WANTED

The Terry & Tench Co., Engineers and Contractors with offices at Grand Central Terminal, New York City, would like to purchase a quantity of long steel sheet piling. Information is asked as to lengths, condition of piling, price and delivery date. Any reader having material of this nature to dispose of is asked to communicate with this concern.

Of all the peoples of Europe, the French have the fewest children and the Irish the most.

Truck Loads and the Design of Highways in California

By CHRIS P. JENSEN, County Surveyor, Fresno County
July, 1921

An expenditure, in round numbers, of approximately $125,000,000 has been made by the State of California, and various counties of the State, for highway construction. Whether these highways have been designed with due regard to relative permanency, ease of repair and maintenance, and to the increasing volume of heavy duty transportation, is not necessarily material, but the important fact is that the work has been done; and the financial investment made in the execution of that work is of such magnitude that it can not be disregarded. It must be protected.

Another fact which the various county communities must bear in mind is that until our State laws are changed, we face a statutory limitation on bond issues. Many of the counties of the State have already practically exhausted the five per cent bonding capacity allowed by law, so that, even if we felt inclined to rebuild present highways, we could not legally do so except by the long tedious and unsatisfactory process of direct taxation.

We often listen to the argument that, as railroads are continually increasing the weight of their roadbeds to keep pace with increasing transportation demands, so State and counties should increase the strength of their highways to permit of the prevailing tendency of truck operators to increase loads. This argument, however, emanates mostly from truck owners, and particularly from commercial truck operators.

With whom should the determination of load carrying capacity of our highways be left for decision? Should it be the small proportion of commercial truck interests, or should it not rather be the province of the greater tax paying majority, speaking through their duly elected representatives?

Percentage of Trucks Small

We find from statistics that only about ten per cent of the half million motor registrations in California, are for trucks; and of this ten per cent it would be safe to assume that at least half are used for private and limited purposes. It is not conceivable that the farmer or other non-commercial owner of a small truck, would knowingly advocate a course of construction involving disproportionate expenditure, or advocate an excessive loading of trucks when such procedure would result in heavy maintenance and repair costs to be charged back, in part, to himself.

As for the commercial truck interests, representing perhaps 25,000 out of 500,000 motor vehicle registrations, and their plea that highways should be built heavier in similar manner to railroad practice, we are not unmindful of the fact that the beneficial use of such trucks is of tangible value to the general community public as well as to the owner or operator. The operator is interested directly in the immediate financial returns for service rendered; the general public is interested more or less indirectly from the fact that such service is available for the distribution of produce, for affording rapid transportation of farm products to commercial centers, and to act as feeders to our railroads at a reasonable cost. We recognize that [illegible] trucks have become an integral part of our commercial life, and as much of a necessity as the telephone. However, the number of trucks need not be limited, and it is self evident that conditions may arise which would render advisable the limiting of loads and increasing the number of trucks necessary to haul a given tonnage. Such procedure should not in any sense be taken as a remonstrance against the commercial truck, as such. The relief sought is to so regulate the operation of trucks as to protect present highway investments, and to make such adjustment as will permit the construction of a maximum mileage of new highways, consistent with reasonable stability and funds available. The numerical increase of trucks of light tonnage will not endanger highways nearly so much as the increase of tonnage on fewer trucks.

Comparisons

In this connection let us not overlook the following facts: (1) that railroads do not ask the public to pay for their roadbeds except as the costs may be reflected in the freight rates; (2) that the commercial truck companies charge a freight rate somewhat similar to the railroads, and in addition expect the public to build the roadbed and to build it heavy enough to carry their loads.

Railroad companies devote all their energy to the consideration of transportation problems, but transportation is but one of the countless problems facing political bodies. So, when we find ourselves limited by law, to say $1,000,000 for highway construction, it would seem, even from the commercial truck operators' viewpoint, that this sum should be spent for a total of 40 miles of highway suitable to carry a total unit load of approximately 20,000 lbs., rather than 20 miles of highway made suitable to carry a total unit load of 40,000 lbs. In other words, should highways be constructed of such strength and consequent limitations in mileage, as to permit, say ten producers to haul their products on one load, or should highways be constructed of reasonable strength and increased mileage, thereby permitting 20 producers to enjoy the benefits of a paved highway for reasonable loading.

John N. Mackall, chief engineer of the Maryland State Roads Commission, "believes that the claims for greatly reduced transportation charges by the use of extremely large motor truck units are generally greatly exaggerated. Recalling that Maryland had to spend $600,000 to repair roads rendered useless by a comparatively few excessively heavy trucks, he believes that in the year prior to the passage of the amended vehicle law, if all loads on 5-ton trucks had actually been carried on 3-ton units, the loss to the operators would not have exceeded $15,000. This amount, insignificant in comparison with more than half a million dollars required to rebuild the State highway of vehicle load restrictions now in system, is cited to support the policy force."

Would Raise Highway Cost

Highways of reasonable strength, cost approximately [illegible] per mile, and highways of extra heavy construction, [illegible] per mile, as exemplified by the cost of the special truck boulevard leading from Los Angeles to Wilmington. Having in mind the great proportion of lighter vehicles [illegible] the limited number of heavy duty trucks, the greater mileage of reasonably strong highways surely is desirable from the standpoint of universal use. Furthermore, with this question put squarely up to the commercial truck operator, it would be surprising if he did not say he would be glad to reduce his load and accept the greater mileage of highway.

The time has arrived when a maximum limitation on loads must be determined and that such regulation be strictly and uniformly enforced. This determination must be made with due regard to universal, not specialized, service; to load bearing capacities of standard types of pavements; and lastly, to unit costs as related to total available funds allowed by the statutes.

It is advisable that such limitation be placed at about 700 lbs. static weight, per sq. in. of contact surface between highway and tire, or an equivalent in terms of channel width of tire. Arguments in support of this limitation will follow, and such limitation should hold until further improvements in truck and highway construction are developed.

The Engineer's Problem

To the lay mind, the engineer's work should be without error, and in most cases this would be true if all conditions could be correctly anticipated, but the highway designer's work is necessarily based upon assumptions which do not always prove true. To predetermine all possible conditions and to construct a faultless pavement against all possible contingencies would be prohibitive in point of time, expense, and construction costs; for instance, without disproportionate expense, the engineer cannot (1) predetermine the bearing power of every square foot of subgrade, (2) predetermine the percentage of moisture which may enter the subgrade (and this is conceded to be a very material element affecting the life of a pavement), (3) guard against an unequal settlement of subgrade, with consequent fracture or settlement of the pavement, (4) predetermine and guard against all possible variations of expansion and contraction due to temperature and moisture conditions, and (5) rely on any specific impact condition.

Impact is the most dangerous element entering into the consideration of motor traffic and its effect on improved highways; it is generally expressed in terms of the equivalent of static load (load at rest). Factors influencing impact are (1) speed of truck, (2) weight of unsprung load (load below springs), (3) weight of sprung load (load above springs), (4) condition of tires, (5) depth of depression or rut in highway, and (6) height of obstruction on highway.

Some Test Results

As a result of tests now being made by the United States Office of Public Roads, we discover that certain of our recognized theories fail when subjected to practical tests. As an instance, in [illegible] ard 3½-ton truck, carrying a total load on [illegible] which 1837 lbs. was [illegible] caused to run over a sharp depression [illegible] load was caused to run at the same speed [illegible]

In [illegible] static load in the second case the impact [illegible]

3.6 times the static load. Computations based on acceleration of gravity would not produce the same result. Again it is usually considered that impact varies as the square of the speed; the tests disprove this theory, but have not gone far enough to determine with accuracy, the actual relationship existing between them, it being, however, somewhere between a direct ratio and a ratio involving the square of the speed.

Referring to the test producing 28,000 lbs., impact pressure through a drop of ¼ in., the test as reported does not reveal the contact width of tire; it is reasonably safe, however, for our purpose, to assume that the tire had a contact width of 10 in., and it would not be unreasonable to assume a linear contact with highway (parallel with direction of load) of one inch, as certainly would be the case with a tire considerably worn. On such reasonable assumptions we then have an impact load of 2800 lbs. per sq. in. This is a little less than the compressive strength of the concrete. In similar manner the test showing an impact load of 42,000 lbs. under one wheel would indicate a pressure of 4200 lbs. per sq. in.—greatly in excess of the carrying capacity of the concrete.

As is well known, the Office of Public Roads has recently completed an examination, and report, on the California highway system. From the report we learn that the resistance of the concrete roads to crushing weights (compression) is fairly equivalent to 3300 lbs. per sq. in. This, by the way, is an excellent result, showing the concrete to be well made, and it may be said in passing that the tests on new concrete made by the University of California in connection with the Auto Club's investigation showed strength of only about 2400 lbs. per sq. in.

view of the well known facts of overview of the well known facts overloads and excessive speeds, we cease to wonder why our State highways are deteriorating so rapidly. The facts are evident, and the results should arouse us from our lethargy to a careful consideration of the proper limitations to be put on our traffic.

Other Dangers

The crushing effect of impact is not the only serious element of danger to our highways; we have also the tensile strain an ony portion of a pavement where the subgrade support is inadequate or lacking entirely. Assuming a piece of plain hydraulic concrete pavement bridging over a span of 3 ft. in length, of defective subgrade, such concrete being 6 in. thick, we find that it will safely support a load equivalent to only 9000 lbs. In order to safely carry a load on one wheel of, say, the 28,000 lbs. above mentioned, it should have either a total thickness of 10 in., or be heavily reinforced with steel fabric.

In actually designing a pavement, it would be needless to make a design to carry more in tensile strength than the equivalent of the crushing strength —say, 3300 lbs. per sq. in., but even this, as a means of overcoming defective subgrades, would be extremely heavy insurance; we might better pay more attention to securing a firmer and more uniform subgrade—or devote our attention to a pavement which will accomodate itself to the unavoidable inequalities of subgrade and one which will be susceptible of easy restoration to a uniform surface.

In passing, it might be mentioned that in the impact tests above referred to it has been found that the unsprung weight of trucks has an effect upon impact far in excess of a similar sprung weight, and that such effect is probably in direct proportion to such unsprung weight. The thought in this is that truck manufacturers could materially assist in the maintenance of highways by constructing the trucks with a reasonable minimum of weight below the springs, and more uniformly distributed as between front and rear axles.

Limitation Fair

Considering trucks made as at present, with a maximum load disposition of approximately 800 lbs. per inch width of tire, in conjunction with the results of the tests made by the Office of Public Roads, showing an impact pressure of 5.4 times the static load, or 4320 lbs. per sq. in. at a 15 mile speed, and bearing in mind that hydraulic concrete will crush under a weight of 3300 lbs. per sq. in., as shown by the report on our state highways, it can readily be seen that a limitation of 700 lbs. per in. of tire is not only fair, but necessary, if we have any regard for our present investment. The 700 lb. maximum regulation would allow of an impact pressure, such as would be obtained from the same load as mentioned in the test, traveling at the same speed, and falling through a height of one-half in.

It must, furthermore, be presumed that speed regulations will also be made, and that proper tire conditions will be consistent. Then again, any legislation in this regard must assume that pavements will not be allowed to deteriorate to such an extent that the resultant impact pressure will exceed the crushing limitations of the concrete.

It would appear that the proper theoretical method of regulation loads would be to test each make and size of truck, with its load, sprung and unsprung, under maximum impact conditions, as predetermined by the State authorities, and then by the necessary number of trials, arrive at the loading which could be used on each kind of truck, without exceeding the structural strength of the pavement.

Suggested Test

To explain further, let us assume the following fixed conditions of a test:

1. A maximum speed of 15 miles per hour.
2. A maximum depression of one-half inch in the pavement.
3. A minimum of one inch of rubber beyond the tire rim.
4. A maximum structural strength of 3300 lbs. per sq. in.

Then, as a variable condition of the test, a certain superimposed load is applied, and the test made, resulting in an impact pressure of, say, 4000 lbs. per sq. in. Such loading being in excess of the structural strength of the pavement, it must be reduced. Tests should then be continued with gradually reducing loads until the impact pressure does not exceed the structural limitations of the pavement. This finally determined weight of superimposed load will then become the legal rating for the make and size of truck tested.

If desired, instead of making the speed a fixed condition, and the load a variable condition, the load could be made a fixed, and speed the variable condition, to be determined in similar manner, by the test.

Types of Pavement

The following discussion is directed to the consideration of the proper design of pavements contemplated in the future:

Broadly speaking, pavements may be divided into three classes, so far as general California practice is concerned:

1. The rigid type.
2. The flexible type.
3. Combination of the rigid and flexible types.

With the exception of rock macadam and oiled macadam types, the above three types are also those most in evidence throughout the United States.

Of the first type mentioned, plain hydraulic concrete is the most common example; of the second type, the asphaltic concrete is the most common example; and the third type is but a combination of hydraulic concrete base supporting a wearing surface of asphaltic concrete.

The only practical difference, so far as ingredients are concerned, between the rigid and flexible types, is in the binding agency; in the former, hydraulic cement is used, forming a brittle and inelastic bond between the rock and sand particles; in the latter, asphaltic cement is used, forming a tough, flexible bond between the rock and sand particles of the aggregate. In practice the weight of a cubic foot of hydraulic concrete, as shown in the report of the Office of Public Roads, previously referred to, is 150 lbs.; the weight of a cubic foot of asphaltic concrete, as shown by tests made for Fresno County, is 155 lbs., and this in spite of the low specific gravity of asphalt and high specific gravity of Portland cement.

The nature of hydraulic concrete (the rigid type) is such that it cannot readily absorb and resist the internal forces set up by expansion and contraction; neither can it readily absorb the dangerous element of impact, unless the subgrade is uniform and unyielding, or unless the pavement is heavily reinforced against inequalities of subgrade. When the forces, either internal or external, go beyond the structural limitations, the result is a fracture, leading gradually to disintegration under impact.

Asphaltic Concrete

The nature of asphaltic concrete (the flexible type) is such that it is readily susceptible to, and absorbs the internal forces set up by temperature changes, and offers a resilient and flexible resistance to shock or impact. Under excess loading or impact pressure, it follows the settlement of the subgrade, without fracture and disintegration, resulting in a "wave." In speaking of asphalt pavements herein, they should not be confused with the oiled macadam pavements frequently but erroneously styled "black base" pavements.

True asphalt pavement mixtures are always mixed and properly proportioned in a plant constructed for the purpose.

Over a defective subgrade, and under excess loading, the rigid type of pavement will need entire replacement with consequent inconvenience to traffic, while the non-rigid, or flexible pavement can readily be repaired by the application of additional asphaltic material on its surface, and with only a few minutes interruption to traffic.

Fractures in hydraulic concrete pavements cannot be healed. Fractures in asphaltic pavements have a tendency to heal themselves under traffic, on account of the tenacious character of the asphalt or bitumen.

A hydraulic concrete surface, when new, presents a smoother riding surface than asphaltic concrete, and is not so dangerous from the standpoint of skidding in wet weather. Neither is the tractive resistance so great as in asphaltic concrete during warm weather, but on the other hand, the life of tires on a hydraulic concrete surface is said to be materially shorter than on asphaltic pavements.

Combination Type

The third type, being a combination of the rigid and non-rigid or flexible types, is used in an attempt to employ a rigid base to bridge over inequalities of the subgrade, and a flexible top or wearing surface to absorb impact. This form of construction will carry a heavier load than plain hydraulic concrete, because the load applied to each square inch of the surface is distributed

through the resilient medium of the asphalt surface to a much larger area of hydraulic base.

It is, however, open to the objection that, whereas hydraulic concrete absorbs moisture and asphaltic concrete tends to shed moisture, there will be a film of water accumulating between the two layers, gradually causing their separation, and consequent slipping and rolling of the surface on the base course.

Tests on Asphalt

In this connection, it is interesting to note the results of recent tests made by Mr. Prevost Hubbard of New York, chemical engineer, the Asphalt Assn., on various hydraulic cement pavements.

His tests were of two kinds: (1) impact tests on pavement slabs three feet square supported by the same uniform subgrade, and (2) impact tests on pavement beams 10 inches wide and 3 feet long supported by knife edges.

Slabs, under the impact of a 125 lb. iron ball falling through a height of 6 inches at the rate of 30 blows per minute, fractured as follows:

6-in. hydraulic concrete.......8 blows
6-in. hydraulic concrete base with
2-in. asphalt top........100 blows
5-in. asphaltic concrete......270 blows
6-in. asphaltic concrete base with
2-in. asphalt top..over 1000 blows

Beams ,under the impact of a 50 lb. iron ball falling through a height of one and one-half inches, at the rate of 50 blows per minute, fractured as follows:

6-in. hydraulic concrete........7 blows
6-in. hydraulic concrete base with
2-in. asphalt top..........20 blows
5-in. asphaltic concrete......175 blows
6-in. asphaltic concrete base with
2-in. asphalt top.......1300 blows

These tests show very conclusively the advantage of asphaltic concrete over hyrdaulic concrete, in the matter of absorbing shock or impact, and prove that asphalt should have its place in the consideration of a pavement design. In the words of Mr. Hubbard, "absolute rigidity is seldom necessary and is never a desirable characteristic in a pavement structure."

The effect of alkali on pavements has been the subject of considerable discussion. Tests are now being made by the Standard Oil Company to determine by laboratory methods the relative effects of alkali upon asphaltic and hydraulic concrete types of pavements. These tests have been carried forward to such an extent that it is safe to say that alkali does seriously affect hydraulic concrete pavements, while asphaltic mixtures are not so seriously affected.

In this again we have an argument in favor of the careful consideration of asphalt in a pavement design.

Compares Types

Mr. Hugh W. Skidmore of the Chicago Paving Laboratory, makes a summary of the advantages of asphaltic concrete as compared with Portland cement concrete as follows:

"Results of certain impact tests on slabs and beams, as disclosed in Mr Hubbard's article mentioned herein, indicates not only the fact that bituminous concrete considered as slab or beam provides very appreciable resistance to the most destructive of traffic forces, namely, impact, but that also in the light of these tests, it will be possible to use under similar subgrade and drainage conditions, a tighter base course of bituminous concrete than will be required of Portland cement concrete. Conclusions which may safely be drawn from the tests thus far reported place bituminous concrete foundations in even a more favorable light than might have been predicted by even its strongest advocates in the absence of such tests.

"It is true that reasonable good drainage must be provided if real success is to be obtained from the use of bituminous mixtures for foundation purposes. In this regard bituminous concrete is in the same category with other types of foundation, as drainage is unquestionably the first essential to be considered in the case of any type of pavement and maximum utility and economy is to be considered worth while.

"The advantages of bituminous concrete foundations can be enumerated briefly as follows:

"1. Provides homogeneity of mass and positive bond between foundation and wearing surface when bituminous top courses are employed.

"2. Provides uniform contact with the subgrade, thus insuring the benefit structurally of all of the beam strength possessed by the foundation slab and by the same token makes certain uniform distribution of load to the subgrade.

"3. Because of the inherent flexibility of the material, the foundation slab will at no time be called upon to act as an arch over weak subgrade areas, therefore the possibility of the foundation rupturing, as is frequently the case with Portland cement concrete, will be reduced to a minimum.

"4. Provides freedom from cracks and upheavals.

"5. Insures against the presence of moisture in the foundation structure, thus prolonging the life of the pavement.

"6. May be easily repaired at minimum cost; the surface patch method being applicable except in the case of very serious defects.

"7. Provides decided economies in construction as it disposes with the equipment and organization necessary to lay cement concrete, thus affording the contractor the advantage of exclusive use of that portion of his ordinary equipment and labor organization which in actual operation has heretofore proven to be the most economical and thereby profitable.

"8. Does away with the long period of time required for curing of the foundation, thus permitting the opening of completed work to traffic immediately and providing a rapidity of turnover to the contractor not possible in the case of rigid foundations.

"9. Permits the use of the same materials except cement as are employed in cement concrete work.

"10. Under similar conditions, using the same aggregate materials, bituminous concrete of equal thickness will be found to be cheaper than cement concrete at present prices."

Comments on Tests

Mr. Hubbard, in commenting on his own tests, emphasizes as follows:

"1. Any rational design of highway should take into account the fact that the subgrade must ultimately take the weight and shock of traffic as transmitted through the pavement and practically any reasonably dry subgrade will do this if it is compacted and its surface is protected from displacement. Careful attention to subgrade preparation and drainage is, therefore, the first essential to be considered.

"2. The asphaltic concrete pavement is highly resistant to impact which is recognized as the most destructive traffic factor and under impact develops as a single unit relatively high slab and beam strength.

"3. It is manifestly uneconomical, if not impractical, to adopt a design [illegible] which will permanently bridge appreciable areas of weak subgrade. While the asphalt type develops bridging action to an appreciable extent, it should constantly seek to maintain contact with the subgrade at all points thus reinforce itself with the maximum supporting value of the subgrade. The rigid type of pavement or base cannot do this because of its inherent characteristics. It is [illegible] sure to crack eventually where appreciable areas of subgrade fail to support it uniformly.

"4. Both the service history of asphalt base pavements and the test data here presented indicate that under given conditions it is not necessary to adopt as massive a design for the flexible type of base as for the rigid type. It is difficult for engineers who have had no opportunity to observe the asphalt pavement under heavy traffic to think of it in terms of less thickness than the rigid base but in the light of present experience such a consideration appears to be entirely warranted."

Mr. Allen Dimmick of Illinois uses the following language in commenting on asphalt pavements:

"At the last meeting of the Illinois Society of Engineers, Prof. C. C. Wiley of the University of Illinois presented a very interesting paper interpreting the impact tests on high-ways conducted by the U. S. Bureau of Public Roads. These experiments have not yet been carried far enough to do more than show that as the weight and speed of loads increases, the impact resulting is a very serious and damaging force. It is obvious that a 10-ton truck traveling at a fair rate of speed, passing over a depression of one-half inch in a road surface will deliver a considerable blow. A series of such blows will deepen the depression, and the deeper the depression the greater the blows, and so on ad infinitum, with the ultimate result of cracking and shattering the rigid base itself.

"The obvious conclusion of a study of this question of impact is a grave doubt as to whether the principle of rigidity has any place in the high engineer's cosmos. Would the substitution of a resilient and shock absorbing material for a rigid and frangible material tend to absorb or alleviate the impact—which, far more than the mere friction or suction resulting from the wheels of passing vehicles—is going to batter and destroy our highways of the future.

"One great advantage of asphaltic pavements is that by adjusting the mix, the pavement may be adapted to meet the great variety of conditions, and where this displacement is strictly an internal movement of the wearing surface, the particles of the aggregate moving upon each other, it may be overcome by the laying of a tougher wearing surface with an asphaltic cement of lower penetration which is not highly susceptible to extreme atmospheric temperature changes, and with a greater proportion of fine mesh material. [illegible] slipping of the entire wearing surface over the Portland cement concrete foundation to which it is not integrally bound, having indeed nothing to hold it in place but the forces of gravity and friction. * * *

"Some hesitancy has been expressed as to whether the asphaltic concrete foundations would be capable of supporting the heavy loads of the future. [illegible] load, not even its own, otherwise our bridges would consist of 4-in. concrete slabs, unsupported except at the ends; [illegible] the load, and the function of the foundation [illegible] load and distribute it over the subgrade [illegible] leaders in the profession preach drain-

(Continued on Page [illegible])

Building News Section

APARTMENT HOUSES

Figures Being Taken for Steel.
APARTMENTS Cost, $——
SAN FRANCISCO. S Bush St. W Leavenworth St.
Four-story Class C apartment house (12 3-room apts.)
Owner—John O. Titlow.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.

Figures Being Taken for Concrete Work
APARTMENTS Cost, $100,000
SAN FRANCISCO. E Powell 68-6 N Bush St.
SIX-story and basement brick (34 apartments).
Owner—Edward Beck, 281 Lee Ave., Oakland.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.

Plans Complete
APT. HOUSE $35,000
LOS ANGELES, Pico St. and Western Ave.
Two-story brick store and apartment house, 80x80.
Owner—Anna Rose, 1278 S. Western Ave., Los Angeles.
Architect—Frank F. Rasche, 5751 Hollywood Blvd., Los Angeles.

Plans Completed.
APARTMENTS Cost, $12,000
OAKLAND, Alameda Co., Cal. W Grand Ave 80 S Borham Way.
Two-story 16-room frame apartment house.
Owner—Merte B. Groves, 59 10th St., Oakland.
Architect—Not Given.

Plans Completed.
APARTMENTS Cost, $18,000
OAKLAND, Alameda Co., Cal. No. 750 Rand Avenue.
Two-story frame apartments (24 rooms).
Owner—H. W. Haler, 559 16th St., Oakland.
Architect—Not Given.

Plans Complete.
APARTMENTS Cost, $18,000
SAN FRANCISCO. W 15th Ave. N Balboa St.
Two-story frame & plaster apt. flat bldg. (4 5-room apts & basement garage).
Owner—Dr. Morton Hart.
Architect — Earle B. Bertz, Foxcroft Bldg., San Francisco.
Figures will be taken as soon as the present labor trouble is settled.

Owner Taking Figures.
APARTMENT HOUSE Cost, $20,000
NW LAKE PARK & Wesley Aves., Oakland, Cal. Two-story frame apt. house (26 rooms).
Owner—H. R. Hewelcke, 216 Pine St., San Francisco.
Architect—C. A. Tantau, 251 Kearny St., San Francisco.

BANKS

SEATTLE, Wash. — Pacific States Const. Co., Railway Exchange Bldg., at approximately $165,000 awarded contract to erect new structure for Seattle Natl. Bank at southeast corner Second Ave. and Columbia St. Marble work awarded to Lutz Marble Co., Alaska Bldg., at approximately $100,000 and electric work to J. J. Agutter & Co., 622 Fourth Ave., Seattle. Structure completed will cost about $500,000. Doyle & Merriam, Seattle Natl. Bank Bldg., architects.

BONDS

ANAHEIM, Orange Co., Cal.—A bond issue for $5000 for auxiliary fire pump carried at special election.

CAMPBELL, Santa Clara Co., Cal.—Election will be held August 9 in the Campbell-San Tomas-Hamilton Grammar School District, to decide the question of issuing bonds of $155,000; proceeds of the sale of bonds to purchase a site for a new school, $25,000; school building, $125,000; equipment, $5000.

ORLAND, Glenn Co., Cal.—The State Board of Control refuses to purchase $22,000 bond issue of Orland High School District due to technical error in proceedings. Proceeds of sale were to finance construction of a gymnasium

SANTA ROSA, Sonoma Co., Cal. — Supervisors sell $18,000 bond issue of Roseland School District; proceeds of sale to finance construction of a new school building.

ARBUCKLE, Colusa Co., Cal. — An election will be held September 6 to decide the question of issuing bonds of $90,000 to finance construction of a 1-story hollow tile and stucco grammar school building.

PETALUMA, Sonoma Co., Cal.—The bond election carrying $250,000 to finance the construction of a "junior" high school has been declared invalid and the trustees are planning to call another election. Plans for the proposed structure are being prepared by Architect Brainerd K. Jones, 110 Washington St., Petaluma.

FACTORIES & WAREHOUSES

Contracts Awarded
WAREHOUSE Cost, $50,000
SAN FRANCISCO, NE Howard St. E of 8th. One-story and mezzanine floor reinforced concrete warehouse.
Owner—Henry E. Bothin, Atlas Bldg.
Architect—Arthur G. Bugbee, 26 Montgomery St.
Concrete and carpenter work awarded to Barrett & Hilp, Sharon Bldg.
Electric wiring to Central Electric Co., 185 Stevenson St.
Steel Rolling Doors to Pacific Materials Co., 525 Market St.
Steel sash to Detroit Steel Products Co., Foxcroft Bldg.
Plumbing to Henry Ernst & Son, 633 Hayes St.
Automatic Sprinkler System to Grinnell Co. of the Pacific, 453 Mission St.

Plans Being Prepared
FACTORY Cost, $——
BURBANK, Los Angeles Co., 5-acre tct.
Group of 7 brick factory buildings.
Owner—American Aluminum Metal Products Co.
Architect—Richard D. King, 519 Van Nuys Bldg., Los Angeles.

Contract Awarded.
FACTORY Cost, $——
BURBANK, Los Angeles Co., Cal.
One and two-story brick and steel factory building, 500x100.
Owner—Western Glass Products Co., Hibernian Bldg., Los Angeles.
Architect & Contractor—Frank Meline Co., 6777 Hollywood Blvd., Los Angeles.

To be Done by Days Labor.
ALTERATIONS Cost, $10,000
SAN FRANCISCO. SE Pacific and Davis Streets.
Alter six-story Class C warehouse (new partitions, composition floors, etc., for factory.)
Owner—Planters Nut & Chocolate Co.
Architect — Benj. G. McDougall, 381 Bush St., San Francisco.
The electrical wiring has been awarded to Atlas Electric Co. 185 Stevenson St., at $1,363.

Contract Awarded.
FACTORY Cost, $——
HUNTINGTON PARK. 48th St. and Pacific Blvd.
One and 2-story steel frame brick and concrete factory.
Owner—Angelus Sanitary Can Mach. Company.
Architect—The Austin Co., 398 Pacific Elec. Bldg., Los Angeles.

Contract Awarded.
WAREHOUSE Cost, $20,000
LODI, San Joaquin Co., Calif.
One-story hollow tile fruit warehouse, 80x100.
Owner—J. A. Anderson Co., Lodi, Cal.
Architect—Not Given.
Contractor—Heib Bros., Lodi, Cal.

Plans Being Figured.
LOFT BLDG. Cost, $——
LOS ANGELES, Calif. Corner 7th and Bixel Streets.
Ten-story reinforced concrete loft building.
Owner—W. W. Paden & Associates.
Architect—Leonard L. Jones and E. L. Mayberry, 468 Pacific Electric Bldg., Los Angeles.

OAKLAND, Cal.—The State Railroad Commission has refused to approve plans of the Southern Pacific Co. for the proposed new station at 14th and Franklin Sts., Oakland. Although the track system as planned by the company was satisfactory to City Attorney Leon Gray, who appealed to the State body regarding the building, the commission rejected the proposed layout. New plans are to be drawn by the company.

MARTINEZ, Contra Costa Co., Cal.—Approval is asked of the Railroad Commission by the Grangers Business

Assn. of an order of the Board of Supervisors of Contra Costa County granting to the association renewal of a franchise to construct and maintain a wharf on the Straits of Carquinez, Contra Costa County.

FLATS

Plans Being Prepared.
FLATS Cost, $18,000
SAN FRANCISCO. 5th Ave. near Lake
Two-story & basement frame & plaster flat bldg. (2 6-room flats with basement garages)
Owner—B. F. Meyer.
Architect — Earle B. Bertz, Foxcroft Bldg.

GARAGES

Contract Awarded
GARAGE Cost, $16,000
SAN FRANCISCO. E Taylor 62-6 N Pacific St. One-story and basement concrete public garage.
Owner—Taylor Street Investment Co., 785 Market St.
Architect—Meyer & Johnson, 742 Market St.
Contractor—American Concrete Co. Humboldt Bank Bldg.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering the following materials for Navy Yards. Date of opening bids as noted at end of each paragraph:

Schedule 8459, Puget Sound, 50,000 pounds blanc-fixe, opening of August 9.

Schedule 8471, Mare Island, a miscellaneous quantity of brushes, various kinds, opening of August 9.

Schedule 8481, various eastern and western yards, a miscellaneous quantity of motor generator sets, motor generators and dynamotors, opening of August 9.

Schedule 8483, various eastern and western yards, 30 storage batteries, opening of August 9.

Schedule 8484, various eastern and western yards, a miscellaneous quantity of steel pipe, opening of August 9.

Schedule 8489, Mare Island, 28,000 steel bolts and nuts, opening of August 16.

Schedule 8493, Mare Island, 45,350 lbs. steel floor plates, opening of August 16.

Schedule 8499, Mare Island, 400 gasoline torches, opening of August 16.

Schedule 8501, Mare Island, 5,000 yds. cocoa matting, opening of August 16.

Schedule 8502, Puget Sound, 300,000 pounds foundry pig iron, opening of August 12.

Schedule 8512, Puget Sound, 4 electric turning gear, opening of August 12.

Schedule 8513, Mare Island, 5,000 lbs. copper tubing, opening of August 12.

Schedule 8517, Mare Island, 15,500 ft. oak lumber, opening of August 16.

Schedule 8525, Mare Island, 25,000 ft. sugar and white pine, opening of August 16.

Schedule 8526, Brooklyn and Mare Island, tracings of finished plans for the Tennessee and California, opening of August 19.

Schedule 8535, San Diego, hospital equipment opening of August 6.

Schedule 8538, Mare Island, 2,300 lbs. copper tubing and 25,000 lbs. brass tubing, opening of August 16.

Schedule 8539, Mare Island, 3,000 ft. steel conduit, opening of August 16.

Schedule 8560, Mare Island and Puget Sound, 4,100 enclosed fuses, miscellaneous fuse element, 150 lbs. insulating fibre, 500 link fuses, 100 lbs. plate mica, 1,000 lbs. attachment plugs, 50 lbs. white cotton sleeving 64 portable ventilating sets, opening of August 19.

Schedule 8561, Mare Island, copper tubing, opening of August 19.

Schedule 8564, Puget Sound, electric cable and lamp cord, opening of August 19.

Schedule 8565, Puget Sound, magnet wire, opening of August 19.

The following bids were received on June 14 by the light house superintendent, San Francisco, for constructing and addition to wharf, repairs, etc., at Goat Island Depot:

Healy-Tibbetts Construction Co., San Francisco, $4,316.

Mervy-Elwell Co., San Francisco, $3,865, accepted.

Duncanson-Harrelson Co., San Francisco, $4,285.

Tibbetts-Pacific Co., San Francisco, $4,855.

M. B. McGowan, San Francisco, $5,169.

A. W. Kitchen, San Francisco, $3,970.

S. F. Bridge Co., San Francisco, $5,400.

WASHINGTON, D. C.—Until August 12, 10:30 a. m., bids will be received by Panama Canal Commission for furnishing and delivering f. o. b. Balboa (Pacific port), under Circular No. 1456, alumina sulphate, license tags and lumber. Further information may be had from Assistant Purchasing Agent, Fort Mason, San Francisco.

PORTLAND, Ore.—Until August 8, bids will be received by the U. S. Engineer Office for furnishing and delivering 4 lap-welded steel pipes. Further information on request.

KETCHIKAN, Alaska.—Cisco Mach. Tool Co., Cincinnati, at $2000 awarded contract by lighthouse superintendent at Ketchikan for furnishing and delivering 1 motor-driven lathe, 16-in.

PORTLAND, Ore.—Until August 15, bids will be received by U. S. Engineer Office, Portland, for furnishing and delivering 16 36-in. dredging sleeves. Specifications will be furnished on request.

WASHINGTON, D. C.— Ralph E. Woolley, Honolulu, H. T., at $21,102 has been awarded a contract by Chief of Engineers, U. S. A., for constructing extension to railroad and erecting searchlight unit complete at Honolulu. Contract for laying submarine cable awarded to Ben Lanahi, Honolulu, H. T., at $4,370.

SAN FRANCISCO.—Until August 12, 10 a. m., bids will be received by the Quartermaster Supply Officer, Fort Mason, under Circular No. 22-11, for erecting 384 headstones at the San Francisco National Cemetery, Presidio; headstones to be furnished by the Government.

SAN FRANCISCO.—Until August 3, 10 a. m., bids will be received by U. S. Engineer Office, 240 Montgomery St., for furnishing and delivering f. o. b. wharf, Rio Vista, Solano County, under Order No. 3194, miscellaneous castings and ice cans.

WASHINGTON, D. C.—Following contracts have been awarded by the Bureau of Yards and Docks, Navy Department:

Specification 4473, San Diego, electric breakdown connections and temporary transformer, Newberry Electric Corp., 724 South Olive St., Los Angeles, Calif., $2,695, time 50 days.

Specification 4448, Wailuppe, T. H., water system, Ralph E. Woolley, 305 James Campbell Bldg., Honolulu, H. T., $13,056, 150 days.

Specification 4441, San Diego, Calif., electric elevators for storehouse, Hollister-Whitney Co., 211 No. Second St., Quincy, Ill., $22,653, 180 days.

Specification 4447, Puget Sound, Wash., extension to fresh and salt water system, Robt. H. Travers, 3144 Arcade Bldg., Seattle, Wash., $24,781.12, 100 days.

HALLS AND SOCIETY BUILDINGS

TURLOCK, Stanislaus Co., Cal.—Local lodge of Moose is contemplating purchase of site on which to erect new club house. A building committee will submit a report in the near future.

Plans Being Prepared.
AUDITORINUM BLDG. Cost, $——
LOS ANGELES, Cal. Rear of present Club House on Hollywood Blvd.
Class C brick auditorium building.
Owner—Hollywood Women's Club.
Architects — Walker & Eisen, Pacific Finance Bldg., Los Angeles.

PENDLETON, Ore. — Odd Fellows Lodge of this city planning erection of 4-story brick lodge and commercial building; site contemplated 75 by 100 ft. Proceeds of sale of present lodge hall to partly finance new structure.

HOSPITALS

REEDLEY, Fresno Co., Cal. — C. A. Sullivan, local realty dealer, announces steps are being taken to erect a modern hospital in this city. San Francisco and Fresno capitalists are interested.

PORTLAND, Ore. — Group of local physicians plan erection of $200,000 surgical hospital at 19th and Kearney Sts. Permit to maintain structure granted by City Council. Construction will be under the supervision of Strong & MacNaughton, Corbett Bldg., Portland.

PORTLAND, Ore.—Architects [illegible] rence & Holford, Chamber of Commerce Bldg., and Morris H. Whitehouse, Railway Exchange Bldg., Associate [illegible] are completing plans for the proposed new medical school to be erected on Marquam Hill for the University of Oregon, estimated cost, $250,000. The building will be four stories in height, 68x150, of reinforced concrete construction. Figures will be taken about August 15.

HOTELS

REEDLEY, Fresno Co., Cal.—Steps are being taken to erect a modern hotel building in this city, according to C. A. Sullivan, local realty dealer. Further information will be given when preliminaries are completed.

SALINAS, Monterey Co., Cal.—Cominos Bros., owners of Cominos Hotel, formerly the Abbott Hotel, announce their intention of constructing an annex to the present building, containing approximately 80 rooms and costing $125,000. The proposition is in a preliminary state and early construction is not looked for.

NORTH BEND, Ore. — Architects Tourtellotte & Hummel, 712 Couch Bldg., Portland, will receive bids up to August 8, for erecting a five-story and basement concrete 64-room hotel in North Bend. Bids will be received for general contract, plumbing, electric work, heating and elevators.

PUBLIC BUILDINGS

SACRAMENTO, Cal.—The following bids were received on July 22 by W. F. McClure, State Engineer, for roofing, carpentry, marble and tile work, etc., for the San Francisco State Civic Center Bldg. Plans were prepared by Architects Bliss and Faville, Balboa Bldg., San Francisco:

The Clinton Construction Co., 140 Townsend St., San Francisco, submitted the lowest bid on the carpentry etc. Guilfoy Cornice Works, 208 8th St., S. F., were low on the roofing; P. Grassi, 135 Tehama St., S. F., on the marble and terrazzo, and Mangrum & Otter, 827 Mission St., S. F., on the tile work. All bids were taken under advisement.

Finish Work, including Carpenter Work, Mill Work, Glass and Glazing Work, Tile Partitions, Metal Lath Work, Plastering Work.

Clinton Const. Co., $194,540; (2) deduct $2400 200 days.
A. Knowles, $204,300; (2) deduct $2500 200 days.
P. F. Reilly, $206,800; (2) deduct $2400 250 days.
J. B. McSheehy, $215,777; (2) deduct $1500 300 days
P. J. Lynch, $217,200; (2) deduct $2200 200 days
Mahony Bros., $218,900 (2) deduct $500 300 days.
Carlson & Lacey, $218,860 (2) deduct $3100 190 days.
Ward & Jones, $219,900, 320 days.
Chas. Stockholm & Son, $219,940; (2) deduct $2500 160 days.
K. E. Parker Co., $222,900; (2) deduct $150 200 days.
D. R. Wagner, $235,390; (2) deduct $2,200 180 days.
E. T. Leiter & Son, $239,887; (2) deduct $1000 6 months.

Roofing Work, Including: Steel Metal Work, Slate and Composition Roofing

Guilfoy Cornice Works, $15,783, 100 days.
W. H. Heidt Cornice Works, $16,225; 90 days.
U. S. Metal Products Co., $16,820, 150 days.
Forderer Cornice Works, $17,472, 100 days.
Richmond Roofing Co., $17,910, 120 days.
Percy Sheet Metal Works, $18,952, 60 days.
Conlin & Roberts, $19,940, 100 days.
Oscar Krenz Copper & Brass Co., $21,946, 120 days.

Marble Work, including Terrazzo Work

P. Grassi, $27,658; (2) deduct $4220 90 days.
American Marble & Mosaic Co., $28,000; (2) deduct $4300 80 days.

Tile Work, Including Cork Tile

Mangrum & Otter, $9,072, 60 days.
Ginsberg Tile Co., $9,109.60; (2) deduct $2,249, 40 to 60 days.
Lowery & Daly, $9,550, 60 days.
Scott Co., San Francisco, $10,669, 60 days.

SACRAMENTO, Cal.—The following contracts have been awarded by W. F. McClure, State Engineer, for roofing, carpentry, marble, and tile work, etc., for the completion of the San Francisco State Civic Center Building from plans prepared by Architects Bliss & Faville, Balboa Bldg., San Francisco:

Finish Work including Carpenter Work, Mill Work, Glass and Glazing Work, Tile Partitions, Metal Lath Work and Plastering Work. Clinton Constr. Co., 140 Townsend St., San Francisco, $194,540, 200 days.

Roofing Work, Including: Steel Metal Work, Slate and Composition Roofing—Guilfoy Cornice Works, 208 8th St., San Francisco, $15,783, 100 days.

Marble Work, including Terrazzo Work P. Grassi, 135 Tehama St. San Francisco, $27,658, 90 days.

Tile Work, including Cork Tile. Mangrum & Otter, 827 Mission St., San Francisco, $9,072, 60 days.

OREGON CITY, Ore.—The City Hall committee will call for competitive plans for new city hall; $35,000 voted to finance construction, of which $5000 is for furnishings.

FRESNO, Fresno Co., Cal. — Supervisors will appropriate $25,000 to construct comfort stations in Courthouse Park, according to Building Supt. James. It is also proposed to erect a psychopathic ward at the County Hospital.

SAN JOSE, Santa Clara Co., Cal. — Until September 6, 11 a. m., bids will be received by Henry A. Pfister, County Clerk, for alterations and additions in office of county assessor in Hall of Justice building. Plans and further information may be had from Clerk.

OAKLAND, Cal.—Schwabacher-Frey Co., Second and Market Sts., San Francisco, at $987.50 submits low bid to Supervisors for furnishing and installing metal file case in County Clerk's office but failing to furnish certified check bid will probably receive no consideration. Rucker-Fuller Co. submitted next low bid at $1400. Five bids submitted, the highest being $2497. Taken under advisement.

SAN FRANCISCO.—Until August 5, 10 a. m., bids will be received by Board of Education, M. R. Norris, Secretary, 2nd floor, City Hall, for certain mill work. Specifications will be furnished on request.

SAN JOSE, Santa Clara Co., Cal. — Following bids received by Supervisors for furnishing linoleum for rooms in County Courthouse:

Alfred Madsen Co. No. 0, $3.25 sq. yd.; No. 1, $3.25 sq. yd.; No. 2, $3.00 sq. yd.; No. 3, $2.90 sq. yd.

L. Hart Sons Co. $\frac{3}{16}$ in., $1.98; ¼ in. thick, $2.37 sq. yd., plus 10 cents sq. yd. for cutting and laying.

McKinley-Glans. ¼ in., $2.90 sq. yd.

L. Lion & Sons Co. ¼ in., $2.50 sq. yd.

Malott & Peterson. "Kompolith" Magnesite flooring, $2.79 sq. yd.

Bids taken under advisement.

LOS ANGELES, Cal. — Forest Lawn Memorial Park Assn., Hollingsworth Bldg., Los Angeles, contemplates the erection of a number of new structures at Forest Lawn cemetery, Tropico, T. Patterson Ross, San Francisco, is the architect. The buildings contemplated include a new unit to the mausoleum to cost $225,000; a $75,000 Masonic memorial; $50,000 Knights of Pythias memorial; a $35,000 office building; $25,000. Horticultural building and $100,000 for improvements to grounds. Hubert L. Eaton is the manager of the association.

RESIDENCES

Contract Awarded
RESIDENCE Cost, $18,000
SACRAMENTO, Cal., 3731 T St. Two-story frame and plaster residence and garage.
Owner—C. M. Goethe, 3730 S St., Sacto.
Architect—Miss Julin Morgan, Merchants Exchange Bldg., San Francisco.
Contractor—F. A. Kurtz, premises.

Owner Taking Figures
RESIDENCE Cost, $5000
SAN FRANCISCO, S St. Marys Ave. 256 W Marsilly. Two-story and basement frame residence.
Owner—Frank Lemey, 3842 Mission St.
Architect—Theo. W. Lenzen, 706 Humboldt Bank Bldg.

Plans Being Prepared.
RESIDENCES Cost, $15,000 each
SAN FRANCISCO. Lake St., Sea Cliff.
15 2-story & basement frame & plaster residences (10 rooms & garage each).
Owner—Allen & Co.
Architect — Earle B. Bertz, Foxcroft Bldg.

Contract Awarded.
ADDITIONS Cost, $15 000
SAN FRANCISCO. No. 3757 Washington Street.
Additions and alterations to residence.
Owner—John L. Deahl.
Architects — Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $45,000
SANTA BARBARA, Cal.
Residence, 13 rooms and 5 bathrooms.
Owner—Walter E. Hodges.
Architect — Winsor Soule, 1206 State St., Santa Barbara, Cal.
Contractor—Sam Hunter, 122 W. Valerio, Santa Barbara.

Plans Being Prepared.
RESIDENCE Cost, $25,000
FRESNO, Fresno Co., Calif.
Two-story brick and stucco residence.
Owner—Mrs. H. C. Tupper, Fresno.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Figures to be Taken Next Week.
RESIDENCE Cost, $18,000
SAN JOSE, Santa Clara Co., Cal. The Alameda and Morrison St.
Two-story frame and plaster residence and separate garage (7 rooms and 2 bathrooms) tile roofs.
Owner—Warren Pomeroy.

Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Figures will be taken for a general contract.

To be Done by Day Labor.
RESIDENCE Cost, $——
PEBBLE BEACH, Monterey Co., Cal.
One-story frame & stucco 7-room residence & garage for 2 machines.
Owner—Paul Masson.
Architect—John Baur, 251 Kearny St., San Francisco.
Contractor—R. Ehrhart, Olympic Club, San Francisco.

Contract Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal.
Mariposa St.
Two-story frame & plaster residence.
Owner—Dr. G. C. Johnson.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Bkly.
Contractor—D. A. Goodrich, Bkly.

Segregated Figures Being Taken.
RESIDENCE Cost, $——
SAN FRANCISCO. E 16th Ave. S Balboa St.
Two-story & basement frame & plaster residence (6 rooms & garage)
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg. San Francisco.

SCHOOLS

Plans Being Figured—Bids Close Aug. 5, 8 p. m.
SCHOOL Cost, $——
HOLLISTER, San Benito Co. Construction of a frame school building.
Owner—Cottonwood School District. Trustees not given.
Certified check for 10% required with each bid. Plans may be had from the Clerk of the district at Hollister.

Contract Awarded
SCHOOL Cost, $43,900
LOMPOC, Santa Barbara Co., Cal. Reinforced concrete high school.
Owner—Lompoc High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Cobby & Owsley, 180 Jessie St., San Francisco.

SOUTH PASADENA, Los Angeles Co., Cal.—C. Karseboom, 850 Vine St., Los Angeles, was awarded the general contract at $44,220, for erection of a new 8-room grade school building at South Pasadena; Hudson & Munsell, 443 Douglas Bldg., Los Angeles, architects. The award was made on original bid of $42,960, with addition of $1260 for ruffled brick, and for using Simplex windows, for which no extra charge was made. Other awards were made as follows; painting to Alhambra Wall Paper & Paint Co., at $1797; So. Pasadena P. Co., the plumbing at $3343; Potter-Strutz Rad. Corp., gas heating at $1293.

General Contract Awarded
SCHOOL Cost, $90,000
PACIFIC GROVE, Monterey Co., Cal.
One-story concrete school (16 rooms & auditorium).
Owner—Pacific Grove High School Dist. (J. J. Williams, Clerk).
Architect—Arthur W. Angel, 565 Lighthouse Ave., Pacific Grove.
T. H. Dean of Monterey has been awarded the general contract including alternates "B" for tile roof and "E" for finishing the second story. Contract price, $78,826.
The bids for heating, plumbing and program clocks are still under advisement.

Contracts Awarded.
ALTERATIONS Cost, $——
PALO ALTO, Santa Clara Co., Cal.
Remodeling classroom No. 3 in intermediate school; separate bids for repairs and additions to plumbing system, also for replacing smokestack and repairing heating system in intermediate school.
Owner—Palo Alto City School District, A. C. Barker, Secretary, 595 Channing Ave., Palo Alto.
Architect—Chas. K. Sumner, 57 Post St., San Francisco.
Engineer—Leland & Haley, 58 Sutter St., San Francisco.

Heating

J. E. O'Mara	$1987.00
Cashel Bros.	2,150.50
W. K. Nottingham	2,157.00
Scott Co.	2,080.00
C. Peterson Co.	2,348.00
Christiansen & Anderson	2,687.00

Awarded to J. E. O'Mara, 243 Minna St., San Francisco.

Plumbing

Christiansen & Anderson	$1,493
J. E. O'Mara	1,565
Cashel Bros.	1,650

Awarded to Christiansen & Anderson of Palo Alto.

Carpenter Work

George Bertsche	$1,575
F. W. Fox	1,822

Awarded to Geo. Bertsche, 221 Kipling St., Palo Alto.

COLUSA, Colusa Co., Cal. — Until August 4, 12 m., bids will be received by Dr. C. A. Poage, Clerk, Colusa School Dist. for construction of 2-room school building on Colusa High School grounds. Plans may be seen at office of Clerk.

Bids to be Called for This Week.
SCHOOL Cost, $18,000
STOCKTON, San Joaquin Co., Cal.
About 12 miles east of Stockton.
One-story 3-room brick & hollow tile school.
Owner—Linden School District.
Architect — Wright & Satterlee, Bank of Italy Bldg., Stockton.

Contract Awarded.
ADDITION Cost, $3777
MODESTO, Stanislaus Co., Cal. 1½ mile west of Modesto.
Additions to grammar school bldg.
Owner—Jones Grammar School Dist., O. S. Moore, Clerk.
Architect—Wright & Satterlee, Bank of Italy Bldg., Stockton.
Contractor—Miller & Livingston, Modesto, Cal.

KINGSBURG, Fresno Co., Cal. — Question of voting a direct tax of $24,000 to finance completion of the new grammar school building will be decided in Kingsburg Joint Union School District, Fresno and Kings Counties, on August 6.

REWARD, Kern Co., Cal.—The Olld School District will vote tax of $16,000 on August 5 to maintain, furnish and equip school buildings. J. M. Gwin, Clerk of District.

Plans Being Prepared—Bids Close Aug. 8, 7:30 p. m.
GYMNASIUM Cost, $——
HAMILTON CITY, Glenn Co., Cal.
Construction of a gymnasium bldg.
Owner — Hamilton City Union High School Dist., A. M. Gelston, Clerk.
Architect—Not given.
Certified check for 5% payable to President of Board of Trustees of the District required with each bid. Plans may be had from Secretary of District, P. S. Quigley, Hamilton City, Cal.

Plans Being Prepared.
ADDITION Cost, $1500
GRIDLEY, Butte Co., Cal.
One-room frame addition to school.
Owner—East Gridley School Dist.
Architect — Chester Cole, Waterland-Breslauer Bldg., Chico, Cal.

Plans Being Figured—Bids Close Aug. 8, 2 p. m.
SCHOOLS Cost, $——
BAKERSFIELD, Kern Co., Cal.
Erection of two frame school houses.
Owner—Miller School Dist., W. H. Bemis, Clerk.
Architect — J. M. Saffell, 924 19th St., Bakersfield.
Certified check for 10% payable to Clerk required with each bid. Plans may be had from office of architect.

Contracts Awarded—New Bids to be Called For Heating and Plumbing.
GYMNASIUM Cost, $100,000
OAKLAND, Alameda Co., Cal. Forty-fifth Street and Broadway.
One-story reinforced concrete gymnasium.
Owner — Oakland Board of Education, Lloyd D. Barzee, Secretary.
Architect — Construction Dept., Board of Education, 357 12th St., Okd.
General Contract awarded to G. P. W. Jensen, —Market St., San Francisco for $66,700.
Lathing and Plastering to George W. Dixon, 541 Apgar St., Oakland, for $5,869.
Electrical Work to Roberts Mfg. Co., 663 Market St., San Francisco, $5,350.
Steel Lockers, not decided.
All bids for the heating and plumbing were rejected and new bids will be called for.

MODESTO, Stanislaus Co., Cal. — Until August 8, 7:30 p. m., bids will be received by Kathleen G. Prewett, Clerk, Modesto High School Dist., for furnishing and installing approximately 200 steel lockers in high school; to be 12 by 15 by 36, double tier, louvre single faced. Certified check for 10% payable to President of Board of Trustees of District required with each bid. Specifications will be furnished on request to Clerk.

MILTON, Ore.—Until August 15, 4 p. m., bids will be received by Archt. Raymond W. Hatch, Pendleton, Ore., for constructing group of buildings for Milton School District; Industrial Arts, 2 stories, 60x97; gymnasium, 93x60 ft.; Administration Building, T shape, main part 166x135 with two wings 46x73 ft. Separate bids for heating, plumbing and ventilating.

Figures to be Called for in About Two Weeks.
SCHOOL Cost, $16,500
TURLOCK, Stanislaus Co., Cal. Monta Vista School District near Turlock
One-story brick school (4 rooms)
Owner—Monta Vista Grammar School District.
Architect — Jas. H. Hoose, Ramont Bldg., Modesto.

Working Drawings Being Prepared
SCHOOL Cost, $80,000
MAXWELL, Colusa Co., Calif.
Reinforced concrete school with tile roof (11 classrooms and an auditorium).
Owner—Maxwell High School District.
Architects—Woollett & Lamb, Hagelstein Bldg., Sacramento.

Plans will be ready for bids about October 1st.

Plans Completed.
SHOP BLDG. Cost, $20,000
BERKELEY, Alameda Co., Cal. South Berkeley.
One-story brick vocational shop building.
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Plans are completed and have been submitted to the Board for approval.

Contract Awarded
SCHOOL, ETC. Cost, $11,966
BAKERSFIELD, Kern Co., Cal.
Construction of frame school house and teacherage.
Owner—Munzer School District, D. J. Lloyd, Clerk.
Architect—J. M. Saffell, Bakersfield.
Contractor—Davis & Voos, Leemore, Cal.
Other bidders were: Wm. Eissler, Bakersfield, $13,500, and P. W. Paynter, Bakersfield, $12,000. Bids received from Rucker-Fuller Co. of San Francisco, and Edwin H. Flagg Scenic Co. of Los Angeles, for furnishing and installing curtain in auditorium, rejected.

BERKELEY, Alameda Co., Cal.—President David P. Barrows, University of California, announces that among other improvements to be undertaken at the university during the coming year are: Henry Moore Stephens Memorial Hall, new physics building, Haviland Hall for the school of education and the athletic stadium. A drive for funds for the latter project is now being outlined. John Galen Howard, 1st National Bank Bldg., San Francisco, is the architect for the University.

Plans Being Figured—Bids Close Aug. 22, 1921.
SCHOOL Cost, $18,000
FRESNO, Fresno Co., Calif.
One-story brick school (2 classrooms and auditorium).
Owner—Teague School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Bids to be Called About Sept. 1st.
SCHOOL Cost, $35,000
FRESNO, Fresno Co., Calif.
One-story brick and stucco school tile roof (5 classrooms and auditorium)
Owner—McKinley School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Contracts Awarded.
SCHOOL Cost, $13,258
CLOVIS, Fresno Co., Cal. Six miles east of Clovis on Rudy Fig Farm.
One-story two-room concrete school tile roof, maple floors, hot water system.
Owner—Redbanks School District, G. E. McFadden, Clerk, P. O. Box 446, Clovis, Calif.
Architects—Coates & Traver, Rowell Bldg., Fresno.
Contractor—Miller & Wyatt, Fresno and Chowchilla, Calif.
General Contract, Allen & Martin, Fresno, $15,380.
Plumbing and Heating, Barrett Hicks Co., Fresno, $1,955 and B. A. Newman Co., $2,352.

Bids Under Advisement.
SCHOOL Cost, $3,678
SANTA CRUZ, Santa Cruz Co., Calif.
Construction of a school building.
Owner—Zayante School District, Mrs. Lena Forde, Clerk, Olympia, Calif.
Architects — Collins & Byrne, New Theatre Bldg., Santa Cruz, Calif.
Low Bidder—Franklin & Bailey, R. F. D. No. 1, Santa Cruz, Calif.

Contract Awarded.
SCHOOL Cost, $3,994
SANTA CRUZ, Santa Cruz Co., Calif.
Construction of school building.
Owner—Happy Valley School District, F. Heitmeyer, Clerk, R. F. D. No. 1, Santa Cruz, Calif.
Architects — Collins & Byrne, New Theatre Bldg., Santa Cruz, Calif.
Contractor—J. H. Franklin, R. F. D. No. 1, Santa Cruz, Calif.
Hamilton & Church, 383 Ocean St., Santa Cruz, only other bidder at $3,760.

Plans Being Prepared.
SCHOOL Cost, $48,000
FRESNO, Fresno Co., Calif.
Brick school building, stucco exterior; shingle roof; 6 classrooms and auditorium.
Owner—Malaga School District.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.

HANFORD, Kings Co., Cal. — Until August 15, 8 p. m., bids will be received by G. W. Armstead, Clerk, Hanford Union High School District, for furnishing and delivering the following materials:

5 revolving chairs, full quartered oak, saddle seat; 100 Vienna chairs, veneer seat; 30 tablet arm chairs, quartered oak, saddle seat; 100 school desks, sizes 1 and 2; 750 opera chairs; 1 4-drawer letter file, quartered oak; 1 4-drawer legal file cabinet, quartered oak; 2 roll top desks, full quartered oak, 32x50 in.; 450 steel lockers, 15 in. deep, 12 in. wide and 42 in. high, double, 84 in. over all back to back; 4 teacher's desks; 4 42x96x30 in. tables, full quartered oak, top 1¾ in. 5 ply, legs 3¾x3¾ in. with brass sockets; 2 36x72x30 in. tables, full quartered oak, top 1½ in. 5 ply, legs 3¼x3½ in. with brass sockets; 2 34x60x30 in. tables, full quartered oak, top 1½ in. 5 ply, legs 3x3 in. with brass sockets; 1 48x120x30 in. table, full quartered oak, top 1¾ in. 5 ply, legs 3¾x3¾ in. with brass sockets; 24 drawing stands; 1 triple mirror frame, oak 23 in. wide by 58 in. high, glass, French plate, 16x52 in.; 1 fitting stand, oak, 18 in. long by 18 in. wide and 10 in. high; 11 physics tables, 42x72x32, made the same as chemistry and biology tables; 2 cutting tables, 42x72x32 in., top 1½ in. drop leaf 18 in.; 1 supply cabinet, size 36x56x31 in., magnesium top 1½ in. thick, construction and finish same as domestic science tables; 10 domestic science tables 24 in. wide by 68 in. long by 31 in. high, removable tray under stove, magnesium top, bolted construction top and frame; 3 chemistry tables, size 48x144x35 in., top 1¼ in. built up 1½ in. thick glued strip of oak, finished with acid-proof paint; 5 biology tables, oak, bolted top and legs, size 42x72x32 in.; 1 instructor's table, built the same as the chemistry tables, size 36x144x34 in.; 1 instructor's table, same construction and material as the chemistry tables, size 36x96x34 in.; 20 waste baskets, metal or wicker, submit sample; 4 wicker rockers, submit cut; 2 wicker tables, 42 in. round, submit cut; 2 wicker couches, submit cut; 450 or more shades for windows for the main building and for the arts and science buildings. Plans of the buildings, specifications and further information may be had from the Clerk at Hanford.

Low Bidder.
BUILDINGS, ETC. Cost, $200,000
LANCASTER, Los Angeles Co., Calif.
Two reinforced concrete buildings connecting colonades and alterations and additions to present school buildings.
Owner—Antelope Valley Union High School District.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.
Wopschall Bros., 100 E-Colorado St., Pasadena, submitted the lowest bid at $200,000.

SANTA ROSA, Sonoma Co., Cal.—Until August 11, 12 M., bids will be received by J. C. Poor, Clerk, Todd School District, for laying new floors in two classrooms and making other repairs at the school. Specifications may be had from the Clerk. Plans were prepared by Architect Wm. Herbert of Santa Rosa.

Contracts Awarded.
TOILET ROOMS Cost, $——
BERKELEY, Alameda Co., Cal.
Piedmont & Forest Aves.
Reconstruct toilet rooms in Emerson School.
Owner—Berkeley Board of Education, (Clyde Blanchard, Secretary).
Architect—Wm. C. Hays, First Natl. Bank Bldg., San Francisco.

Plumbing

Thos. Catton	$1986	$1615
Scott Co.	1999	1610
Carl T. Doell	2022	1652
J. E. O'Mara	2177	1845
Milz & Meldin	2531	2233

Contract awarded to Thos. R. Catton, 3013 Deakin, Bkly.

Carpentry, etc.

Conner & Conner	$625	$140
Walter Sorenson	850	241

Contract awarded to Conner & Conner, Berkeley Way and Shattuck, Bkly.

BAKERSFIELD, Kern Co., Cal.—Until August 11, 4 P. M., bids will be received by Architect J. M. Saffell, 924 19th St., Bakersfield, for constructing two iron stairways at the Beardsley School. J. M. McIntosh, Clerk. Specifications may be had from the architect.

Bids Close August 15, 3 P. M.
SHOP BLDG. Cost, $10,000
EASTON, Fresno Co., Calif.
Machine shop and 2 classroom building
Owner—Washington Union High School District, J. A. Poytress, Clerk.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Certified check for 10% payable to Clerk of District required with each bid. Plans may be had from architects on deposit of $10, returnable.

RICHMOND, Contra Costa Co., Cal.—R. A. Washburn, Richmond, at $2748 awarded contract by Trustees of San Pablo School District for plumbing and drainage work in connection with new sanitary system at school site, from plans of Archt. Jas. T. Narbett, 906 MacDonald Ave., Richmond. Other bids, J. I. Collins, $2900; Spiersch Bros., $2800.

(Continued on Page 14)

Official Proposals

BIDS WANTED FOR POST OFFICE BUILDING

SUPERVISING ARCHITECT'S OFFICE, Treasury Department, Washington, D. C., July 11, 1921.—SEALED PROPOSALS will be opened in this office **at 3 P. M., August 15, 1921,** for the construction of the United States Post Office and Court House at Globe, Arizona. Drawings and specifications may be obtained from the Custodian of site at Globe, Arizona, or at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR PAINTING SCHOOL

NOTICE TO BIDDERS

SAN LORENZO, Alameda Co., Cal.—Pursuant to a resolution duly passed by the Board of Trustees of the San Lorenzo School District, I was instructed to ask for bids for painting the exterior of the school building of said district.

Bids for this work will be received up to and including Monday, August 8, 1921, by the said Clerk of said Board, and must be made in conformity to and based on the specification adopted by said Board. A copy of which specifications will be forwarded by the Clerk of said Board by request.

(Signed) R. P. KING,
Clerk of the Board of Trustees of San Lorenzo School District.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids for the construction of a machine shop building and a frame building to contain two classrooms will be received by the Board of Trustees of the Washington Union High School District at the office of Swartz & Ryland, Architects, Room 624 Rowell Building, Fresno, California, **up to but not later than 3 o'clock P. M., on Monday, the 15th day of August, 1921.**

Each proposal must be accompanied by a certified check on same solvent bank in the amount of ten per cent of the total amount of the bid, payable to J. A. Poytress, Secretary, of the said Board, as a guarantee that if his bid is accepted, the bidder will within five days after the acceptance of said bid, execute a sufficient and binding contract for the performance of the work, and that he will give a surety or other approved bond in an amount equal to fifty per cent of the contract price for the complete and faithful performance of his contract.

The said Board of Trustees reserve the right to reject any and all bids without recourse.

Plans and specifications may be obtained from the office of Swartz & Ryland, Architects, Room 624 Rowell Building, Fresno, California. Contractors obtaining the plans for the purpose of estimating will be required to deposit the sum of $10.00 as a guarantee of the safe return of the plans in good condition.

By order of the Board of Trustees of the Washington Union High School District.

J. A. POYTRESS, Secretary.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

SANTA ROSA, Calif. July 27, 1921.—Notice is hereby given that the Clerk of the Board of Trustees of Todd School District, Sonoma County, California, will receive bids **until 12 o'clock Noon August 11, 1921,** and that said bids will be publicly opened and read at **1:30 o'clock P. M.,** at a meeting of the Board of Trustees at the school house in the Todd School District on the above date, for laying new floors in two classrooms and other repair work in Todd School District, Sonoma County, California.

Specifications for this work are on file with the Clerk of the School Board in Todd School District.

A copy of the specifications can be procured from the Clerk of the School Board.

J. C. POOR,
Clerk of the Board of School Trustees of Todd School District, Sonoma County, California.

BIDS WANTED FOR SCHOOL BUILDING

NOTICE TO BIDDERS

BIDS will be received by the Board of Education of the City of Santa Cruz at its office in the City Hall **up to eight o'clock P. M., August 5th, 1921,** for the erection and completion of an addition to the Manuel Traning Building on the Laurel School Grounds, according to plans and specifications now on file in the office of the Board of Education of the City of Santa Cruz.

The Board reserves the right to reject any and all bids.

BIDS WANTED FOR BUILDING

NOTICE TO GENERAL CONTRACTORS

SEALED BIDS will be received **up to 2 P. M., August 16th, 1921.** Address to John C. Gibson and mark (Bids for Gibson Building) or may be left at the Law Office of A. E. Campbell, 1024 Chorro street, San Luis Obispo, Calif., which place has been selected to open same on day and hour above written. Bids will be for the Building complete as shown and called for, and may be in two ways. 1st: In accordance with plans; substituting reinforced concrete for structural steel shown in floor details and sectional elevations and according to reinforced concrete floor plan.

2nd: Substituting reinforced concrete in place of brick, and as specfied in steel work and cement work of basement and general specifications. The bid or bidders awarded contract will be required to give a good and acceptable bond in the sum of twenty-five (25) per cent of contract price for the protection of the owner, and a further and like bond in the sum of fifty (50) per cent for the protection of labor and material furnishers. Building to be completed in one hundred (100) working days from date of contract.

The owner reserves the right to accept or reject any and all bids. Plans, specifications and information can be had from

C. F. BOOSINGER,
209 Brizzolara St.,
San Luis Obispo, Calif.

BIDS WANTED FOR ADDITION TO INFIRMARY

NOTICE FOR BIDS

NOTICE IS HEREBY GIVEN by the Board of Supervisors of Butte County, California that Sealed Bids will be received by the Clerk of the said Board, at his office in the Court House, in the City of Oroville, California, **up to Wednesday, August 3, 1921, at 1:45 o'clock P. M.,** for the construction of [illegible] to the Butte County Infirmary in accordance with the plans and specifications prepared by Chester Cole, Architect. Copies of said plans and specifications may be secured from the said Architect by writing him at his office in Chico, California.

Specification for the said work are on file in the office of the said Board, to which bidders are hereby referred. Each bid shall be accompanied with a certified check, or cash, in the amount of at least ten per cent of the amount bid, as a guarantee that the bidder will enter into a contract to perform the work, in case he is awarded the contract.

The Board of Supervisors reserve the right to reject any or all bids.

By order of the Board of Supervisors of Butte County, California.

C. F. BELDING,
Clerk.
By B. L. McCOY, Deputy Clerk.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that the Riverbank School District, of Stanislaus County, State of California, will at the school building, in the town of Riverbank, on the **8th day of August, 1921, at 8 P. M., of that day,** receive and consider sealed bids for the following work:

The construction of a new masonry Grammar School Building; all of this work to be done on the school premises at Riverbank, in the County of Stanislaus, State of California, according to the plans and specifications for same as prepared by Jas. H. Hoose, Architect.

Said plans and specifications may be obtained at the office of Jas. H. Hoose, Architect, Roome 6 and 7, Ramont Bldg., in the City of Modesto, County of Stanislaus, State of California, upon the payment of $10.00, which sum will be repaid, upon the return of the plans and specifications in a whole and undamaged condition.

All bids must be sealed and filed with the Clerk of said Riverbank School District, prior to 8 P. M., of the 8th day of August, 1921, and be accompanied by a certified check on some solvent bank of the State of California, for ten per cent of the amount of the bid submitted, which check shall be made payable to the Clerk of the Board of the Riverbank School District.

This check is required as a guarantee that the successful bidder will within three days after notice of the award of the contract to him enter into a satisfactory contract with the Board of said District, and execute and deliver the necessary bonds as required by law. If the contractor shall fail to enter into such a contract the amount of the certified check shall be retained by said Board as liquidated damages.

The Board reserves the right to reject any and all bids.

Dated this 22nd day of July, 1921.

MRS. FRANCES LEA HOOK,
Clerk of the Board of Trustees of the Riverbank School District.

BIDS WANTED FOR SCHOOL BUILDING

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Education of the San Luis Obispo School District, County of San Luis Obispo, State of California, **up until 7:30 o'clock P. M., on the 5th day of August, 1921,** at which hour they will be opened at the [illegible] Monday, [illegible] of said Board, [illegible] tion, said office, located in the High School Building, San Luis Obispo, for the furnishing of all materials and labor required to build and complete a [illegible] [illegible] End School, according to the [illegible] Charles Architect of [illegible] Plans [illegible]

Said building to be located on a parcel of land as further described

in the drawings and as being situated in the City of San Luis Obispo.

A general bid for the work mentioned above is to be submitted in accordance with plans and specifications now on file with the Clerk of said Board of Education, Ruth Merritt, in the City of San Luis Obispo, or may be had upon application at the office of the Architect.

Each bid shall be made out on a form to be obtained at the Architect's office and must be accompanied by a certified or cashier's check in the amount of ten per cent of bid, made payable to the order of Ruth Merritt, Clerk of the Board of Education of the San Luis Obispo School District. Bids shall be sealed and filed with the Clerk of the said Board of Education of the San Luis Obispo School District at the above mentioned specified time.

The above mentioned check shall be given as evidence that the bidder will enter into contract if awarded the work and will be declared forfeited if the successful bidder, refuses to enter into said contract after being requested to do so by the Board of Education.

The successful bidder will be required to furnish two bonds of a surety company, satisfactory to the Board of Education of the San Luis Obispo School District, one covering an amount equal to fifty per cent of the contract price and one equal to twenty-five per cent of the contract price.

A deposit of Ten Dollars ($10.00) is required for all drawings, which will be returned when the drawings are returned.

The Board reserves the right to reject any or all bids.

By order of the Board of Education of the San Luis Obispo School District.

Dated this 15th day of July, 1921.

C. A. PALMER, Chairman.
RUTH MERRITT, Clerk.

BIDS WANTED FOR SCHOOL BUILDING

NOTICE TO BIDDERS

LOS BANOS, Merced Co., Cal.—Notice is hereby given that sealed bids will be received for the purpose of building a domestic science school building according to plans and specifications now on file in the office of the clerk of said board, **up to 2 P. M., Monday August 8, 1921.** The board reserves the right to reject any or all bids.

A certified check for ten per cent of the bid must accompany all bids as a guarantee that the successful bidder will enter into contract for the execution of the work within ten days after the acceptance of his bid.

S. B. DISMUKES, Clerk.

BIDS WANTED FOR LIGHTING FIXTURES

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 22, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., August 12, 1921, for furnishing and installing or for furnishing and delivering, lighting fixtures in the U. S. Post Office, Court House, and Custom House at Honolulu, T. H., in accordance with drawings and specifications, copies of which may be had at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR ALTERATIONS TO POST OFFICE BUILDING

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 23, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., August 29, 1921, for alterations to the United States Post Office Building at Eugene, Oregon. Drawings and specifications may be obtained from the Custodian at Eugene, Oregon, or at this Office in the discretion of the Suprevising Architect. JAS. A. WETMORE, Acting Supervising Architect.

TRUCK LOADS

(Continued from Page 7)

age continuously, it is a foregone conclusion that still greater importance will have to be attached to proper preparation of the subgrade if we are to have general success with our future pavements.

"When an asphaltic concrete base is used, a first class subgrade, proof against any side infiltration of water, is essential, as such a base, not being in the nature of a rigid slab, has little or no power to bridge over weak spots in the subgrade. This is by no means a defect, as it places the responsibility of carrying the load squarely where it belongs on the earth, instead of relying on a comparatively thin and weakly supported slab to carry heavy loads over soft places.

"On an adequate subgrade an asphaltic concrete base has ample stability to transmit the heaviest loads. It is presumed that the angle of diffusion of loads is approximately the same for asphaltic concrete as for Portland cement concrete, and when we take into consideration the factor of resiliency and absorption of impact it is reasonable to suppose that the same or less thickness of asphaltic concrete would be equivalent to a given thickness of Portland cement concrete in transmitting loads."

SCHOOLS

(Continued from Page 12)

REEDLEY, Fresno Co., Cal.—Until August 15, 8 p. m., bids will be received by C. J. Jackson, Clerk, Altamont Union School District, for installing pressure water system at Smith Mountain School; pumping capacity at least 600 gals. an hour, including installation of 3 drinking fountains. Further information may be had by addressing Clerk.

STORES AND OFFICES

Plans Complete.
STORES Cost, $20,000
SAN FRANCISCO. Turk St.
One-story & basement concrete store bldg.
Owner—Withheld.
Architect — Earle B. Bertz, Foxcroft Bldg.

Site Purchased—Plans Prepared.
BUSINESS STRUCTURE Cost, $75,000
FRESNO, Fresno Co., Calif. North J Street (Block 70.)
Two-story fireproof business structure 100 ft. frontage.
Owner—Brix Estate.
Architect—Eugene Mathewson, Cory Bldg., Fresno, Calif.

THEATRES

Contract Awarded.
THEATRE $80,000
LOS ANGELES, 60th St. and Moneta Ave.
One-story brick store and theatre bldg.
Owner—West Coast Theatres, Inc.
Architect—L. A. Smith, 415 S. Western Ave., Los Angeles.
Contractor—Lilly-Fletcher Co., 415 S. Western Ave., Los Angeles.

Plans Being Prepared
THEATRE Cost, $750,000
OAKLAND, Alameda Co., E Broadway 150 N 17th.
Class A theatre and store building.
Owner—Fox Film Corporation, represented by A. C. Blumenthal & Co., Holbrook Bldg., San Francisco.
Architects—Weeks & Day, Phelan Bldg. San Francisco, and Maury I. Diggs, Easton Bldg., Oakland.

Plans Complete
THEATRE Cost $100,000
LOS ANGELES, Vermont and Vernon Aves.
Two-story brick theatre, store and office building, 65x170.
Owner—Joseph Engert.
Architect—E. J. Borgmeyer, 1003 California Bldg., Los Angeles.

CORVALLIS, Ore.—F. G. McFadden, Corvallis, awarded contract by Whiteside Bros., known as the Corvallis Amusement Co., to erect brick and concrete theatre, 71x100, seating 1100. Plans by Archt. H. Ryan, Peoples Bank Bldg., Seattle.

Preliminary Sketches Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO, Ellis St. near Powell
Extensive alterations to Curran Theatre.
Owner—Represented by Ackerman & Harris.
Architect—Weeks & Day, Phelan Bldg., San Francisco.

Plans Being Prepared.
THEATRE Cost, $——
LOS ANGELES, Cal. 7th & Beacon Sts.
Fireproof theatre, store & office bldg., 220x157.
Owner—West Coast Theatres, Inc.
Architect—Milwaukee Building Co., 315 Wright & Callender Bldg., L. A.

Plans Being Prepared.
THEATRE Cost, $——
WALNUT PARK, Los Angeles Co., Cal.
Two-story brick theatre, store & office bldg. 122x160 (1100 seats, 11 stores & 24 offices).
Owner—Sanders & Feaster.
Architect — A. H. McCulloh, Walnut Park, Cal.

Segregated Figures Being Taken.
THEATRE, ETC. Cost, $75,000
MARTINEZ, Contra Costa Co., Cal. Ward and Ferry Streets.
Two-story reinforced concrete theatre.
Owner—J. J. McNamara, Martinez.
Architect—Reid Bros., 105 Montgomery St., San Francisco.

BUSINESS OPPORTUNITIES

Thacher Propeller & Foundry Corp., Albany, N. Y., wish to communicate with San Francisco jobbers in reference to handling the Thacher propellers in the United States on a commission basis.

The Terry & Tench Co., Engineers and Contractors with offices at Grand Central Terminal, New York City, would like to purchase a quantity of long steel sheet piling. Information is asked as to lengths, condition of piling, price and delivery date. Any reader having material of this nature to dispose of is asked to communicate with this concern.

A compressed air outfit and pneumatic chipping chisel, similar to that used in stone cutting, were used in trimming concrete at several joints that were too high on a concrete road in Erie County, Pennsylvania. The outfit consisted of the compressed air outfit, the chipping chisel, one team and two laborers.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

YUBA CITY, Sutter Co., Cal.—Until August 2, 11 a. m., bids will be received by Albert B. Brown, County Clerk, for construction of and furnishing materials for a diagonal plank floor, including wheel guards, for the timber and steel portion of Mawson Bridge, located near Town of West Butte.

County will furnish 82,500 ft. of 3-in. by 8-in. No. 1 common Oregon pine and 5000 ft. of 4-in. by 6-in. No. 1 common Oregon pine.

Plans may be had from Edward von Geldern, County Engineer.

SACRAMENTO, Cal.—Following bids were received by the State Highway Commission July 25 for bridge construction: Humboldt County, across Bear Gulch near Garberville, reinforced concrete bridge about 247 ft. long having a main arch span of 123 ft. in the clear, and two approaches, one of three girder spans of about 23 ft. each, and one of one girder span of about 24 ft., involving 660 cu. yds. Class A and 255 cu. yds Class C concrete; commission will furnish reinforcing steel.

Frank H. Green, Eurekt	$33,600.00
C. H. Gildersleeve, Fresno	36,697.50
Rocca, Caletti & Liebert, San Rafael	37,635.00
Mercer-Fraser Co., Eureka	41,055.00
Tadgett & Kelly, Eureka	44,655.00
Chadwick & Sykes	63,592.50

Engineer's estimate, $38,791.50.

Siskiyou County, three reinforced concrete girder bridges as follows: Across Parks Creek near Weed, bridge consisting of two spans of 32 ft. each; across Willow Creek near Gazelle, a bridge consisting of two spans of 32 ft. each; across Shasta River near Edgewood, a bridge consisting of two spans of 40 ft. each; 100 cu. yds. Class A concrete for Parks Creek bridge; 205 cu. yds. Class C concrete for Parks Creek bridge; 100 cu. yds. Class A concrete for Willow Creek bridge; 215 cu. yds. Class C concrete for Willow Creek bridge; 140 cu. yds. Class A concrete for Shasta River bridge; 240 cu. yds. Class C concrete for Shasta River bridge; commission will furnish reinforcing steel and cement.

T. H. Polk, Chico	$18,510.00
Geo. H. Wilson Jr., Dunsmuir	18,960.00
R. B. McKenzie, Gerber	23,190.00
E. H. Martin & Co., Oakland	32,120.00
Guy Hyde Chick, Oakland	33,703.50

Engineer's estimate, $32,582.

HOLLISTER, San Benito Co., Cal.—Until August 15, 2 p. m., bids will be received by Elmer Dowdy, County Clerk, for constructing steel highway bridge over Tres Pinos Creek on San Justo and Tres Pinos Road at T. G. Hester place in Supervisorial Districts No. 3 and 4. Structure will be 240 ft. long, 18 ft. wide; estimated cost bet. $20,000 and $25,000. Certified check for 10% payable to Chairman Board of Supervisors required with each bid. W. A. Winn, County Engineer.

SANTA ROSA, Sonoma Co., Cal. — Until August 10, 12 noon, bids will be received by W. W. Felt, Jr., County Clerk, for constructing reinforced concrete bridge ¼ mile east of Forestville on Sebastopol-Forestville highway in Supervisor District No. 2. Projects involves 21 cu. yds. Class A and 32 cu. yds. Class B concrete and 4840 lbs. reinforcing steel. Estimate of County Engineer R. Press Smith, $1950. Deposit of $10 required for plans.

STOCKTON, San Joaquin Co., Cal.—City Engineer W. B. Hogan instructed to prepare plans for presentation to the War Department for improving Mormon channel. It is proposed to widen the channel to 150 ft. and deepen 9 ft.

MERCED, Merced Co., Cal.—Chairman of Board of Supervisors instructed to seek permit from War Department to construct a bridge over San Joaquin River on Los Banos-Merced road. A. E. Cowell, County Engineer.

NAPA, Napa Co., Cal.—Until August 23, 10 a. m., bids will be received by James A. Daly, County Clerk, for constructing a reinforced concrete bridge across Rector Creek near the State Farm and one near the Nixon ranch. Certified check for 10% payable to the Chairman of the Board of Supervisors required with each bid. Plans on file in office of Clerk. Edw. P. Ball, County Surveyor.

RICHMOND, Contra Costa Co., Cal.—City Council awards contract to Healy-Tibbitts Const. Co., 9 Main St., San Francisco, for repairing railroad trestle at municipal wharf; work to be done under the supervision of Consulting Engineer Francis B. Smith, 58 Sutter St., San Francisco. Contract was awarded on a cost plus 10% basis.

SAN JOSE, Santa Clara Co., Cal.—Frank Bryant, 286 W. San Carlos St., San Jose, at $3250 awarded contract by Supervisors to construct reinforced concrete bridge on Leavesley road in Supervisor Dist. No. 1. Other bids, J. H. Miller, $3367; Herschback & Sciarrino, $3372. County Engineer Irving L. Ryder's estimate, $3800.

LOS ANGELES, Cal.—C. H. Hudson, 508 Marsh-Strong Bldg., submitted the lowest bid at $55,399.52 for a concrete dam in Live Oak canyon, near La Verne. Other bids received by the Board of Supervisors were: Maurice Ryan & Son and R. Roberts Co., $55,730.40; Bent Bros., $62,192.20; S. M. Kerns, $57,075.40; J. C. Bannister and C. P. Day, $61,449.36; Foundation Co., $69,919.36; Ross Constr. Co., $72,975.20; Mercereau Bridge & Con. Co., $64,944.16. Bids taken under advisement.

LOS ANGELES, Cal.—C. A. Fellows, Central Bldg., submitted the lowest bid at $86,700 for reinforced concrete bridge on El Monte-Pomona road over Rio Hondo. Other bids received by the Board of Supervisors were: E. L. Garretson & Son, $97,500; Ross Constr. Co., $112,263; S. M. Kerns and W. H. Beer, $103,400; Mercereau Bridge & Con. Co., $105,000; Foundation Co., $106,000; W. M. Ledbetter & Co., $108,200; I. Carroll, $123,659. Bids taken under advisement.

SANTA ANA, Orange Co., Cal. — Frank Hudson, Higgins Bldg., Los Angeles, was low bidder and will be awarded a contract at $24,832 for constructing a combination highway bridge 704 ft. long over Santa Ana River on 17th St. below Garden Grove. Other bids were Mercereau Bridge & Const. Co., $27,050; Edgar T. Wheeler, $28,050; W. M. Ledbetter, $28,850; C. McNeill, $29,653; S. M. Kerns, $29,710.

Engineers and Contractors
PLEASE NOTE
We Carry in Stock Here and Sell at Eastern Factory Price
Milburn Carbide Flare Lights
in Candle-power from 20 to 12,000
Milburn Oxy-Acetylene Welding and Cutting Apparatus
All Safety Appliances
As Required by Accident Commission
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Agent for
Alexander Milburn Co.
268 Market St., San Francisco
Phone Douglas 4118

IRRIGATION PROJECTS

EYREKA, Siskiyou Co., Cal. — The residents of Shasta Valley have voted 344 to 57 in favor of a preliminary survey for the proposed Klamath-Shasta Valley Irrigation project.

LOS ANGELES, Cal.—Llewellyn Iron Works was awarded the contract at $24,367 for furnishing sluice gates for Devil's Gate Dam.

MADERA, Madera Co., Cal.—Madera Irrigation District at election July 26 voted bonds of $28,000,000 for constructing impounding dam in the San Joaquin river and irrigation works to serve 353,000 acres. Plans for the dam were prepared by Quinton, Code & Hill, Consulting Engineers, Los Angeles.

LIGHTING SYSTEMS

LONG BEACH, Cal. — The Southern California Elec. Co. has been awarded a contract at $41,555.55 for constructing an ornamental lighting system on E. Ocean Blvd.

MACHINERY

TRUCK CONTRACT AWARDED

SAN JOSE, Santa Clara Co., Cal.—Artana & Goeffroy at $4,505 awarded contract by the Supervisors for furnishing and [illegible] Dump truck.

OAKLAND, Cal.—City Council, Eugene K. Strugis, Clerk, appropriated $15,000 for Lake Merritt improvement; the purchase of pipe, a 12-in. centrifugal pump and winding machinery and for rental of barges and two electric motors.

SAN JOSE, Santa Clara Co., Cal. — Pacific Gas & Elec. Co. will install high pressure gas main from San Jose to Los Gatos, a distance of approximately 12 miles, costing between $100,000 and $150,000. Main will be 6-in. welded steel pipe.

MADERA, Madera Co., Cal.—D. Stephenson, Madera, at $2470, awarded contract by City Trustees for furnishing and installing a Pelton pump with motor, etc., in the Hughes addition. Following bids were submitted: Byron-Jackson (a), 400 gals., $3300; (b) 600 gals., $3440; E. & S. Electric Installation Co. (a) $2500; (2) $2726. Bean Spray (a), $4034; (b) $4159; D. Stephenson (a), $2986; (b) $3213 with a deduction of $741.50.

TRACY, San Joaquin Co., Cal.—O. W. Smith offers proposition to interested Tracy boosters for establishing a municipal gas plant. Mass meeting will be held in Chamber of Commerce rooms to further the project.

TURLOCK, Stanislaus Co., Cal.—The Turlock Gas Co. is spending $50,000 in additions and betterments to its plant in South Front St.

KERMAN, Fresno Co., Cal. — Until August 10, 7:30 p. m., bids will be received by J. R. Hillhouse, Clerk, La Vina School District, Kerman, for furnishing and delivering one Ford 1-ton chassis equipped with pneumatic tires; separate bids will be received on same date for furnishing and delivering one bus body, 20-passenger, to be constructed on truck chassis from specifications of the Porter Browne Auto Body Co. of Los Angeles, or Meister & Sons, Sacramento. Delivery to be made about September 15, 1921.

NEWPORT, Orange Co., Cal.—Until 4 p. m., August 13, bids will be received by Newport Mesa Irrigation District for drilling a 12-in. well. Certified check for 10% required. Bids will be received at the office of the directors at the residence of Donald J. Dodge, Anaheim Ave., near 19th St., Costa Mesa, Orange County.

FRESNO, Fresno Co., Cal.—The City Council awards contract to Austin-Western Road Machinery Co. for furnishing and delivering motor street sweeper at $7750. Wm. Stranahan, Commissioner of Public Works.

BERKELEY, Alameda Co., Cal. — City Council, E. M. Hann, Clerk, appropriates $750 to purchase automobile for use of Berkeley Municipal Market.

NEWMAN, Stanislaus Co., Cal.—Until August 5 bids will be received by Seth Wade, Clerk, Orestimba High School District, Newman, for installation of University duplex gas plant, 10,000 cu. ft., 2000 light size, with latent heat vaporizer with 8 ft. carburetor, 500 gal. fuel tank and automatic control. Plant to be installed on 90 days' approval. Work to be completed September 5.

RAILROADS

H. L. Shaner, Sand Springs, Okla., desires to hear from contractors who would be interested in the construction of 200 miles of electric railway with a hydro-electric power plant, a $4,000,000 project in Oklahoma for which the plans are practically complete. The road is to be known as the Missouri Interburan Railroad.

FIRE EQUIPMENT

FRESNO, Fresno Co., Cal.—The City Council approves recommendation of fire department for installation of automatic, self-recording water pressure gauges in 7 fire houses.

GALT, Sacramento Co., Cal.—Bonds of $5000 voted at recent election to purchase fire equipment.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

MARTINEZ, Contra Costa Co., Cal.—Until August 15, bids will be received by J. H. Wells, County Clerk, for grading Section 2, Division 19, lying immediately below the dam-site of the East Bay Water Co., on San Pablo Creek, a distance of 2550 ft. Cert. check for 10%, payable to Clerk, required. R.

OAKLAND, Cal.—Until August 4, 12 m., bids will be received by Eugene K. Sturgis, City Clerk, for improving portions of 39th St., between Market and Lusk Sts., by grading, constructing concrete curbs, gutters and sidewalks and paving with oil macadam. Geo. Mattis, City Engineer.

PHOENIX, Ariz.—Resolutions of intention to pave the following streets with bitulithic on cement concrete base have been adopted by City Commission. Ninth St. between Van Buren and Pierce; Portland St. between 7th and 11th; E. Van Buren St. between 12th and 16th; 6th St. between Washington and Van Buren.

VENTURA, Ventura Co., Cal.—Until 11 a. m., August 16, bids will be received by Supervisors of Ventura Co. for grading and constructing culverts and storm ditch on 1½ mi. of road in upper Ojai Valley from Sulphur Mountain to Pan American Oil Co. camp, involving: 4350 cu. yds. excavating; 284 cu. yds. grouted boulders; 22 cu. yds. concrete in culverts; 1440 lbs. steel and 2250 ft. B. M. lumber in crossings. Certified check or bond for 10%. Plans and specifications may be obtained from County Surveyor Chas. Petit. L. E. Hallowell, County Clerk.

CHICO, Butte Co., Cal.—Trustees pass resolution of intention to pave 20 blocks of streets in 13th sub-division. Protests will be heard August 2. Blocks to be improved are: Woodland Ave. from Cypress to east end of Lot 18, Block 22; Fifth St. from Pine St. to Woodland Ave.; 6th St. from Pine St. to Poplar St.; 7th St. from Pine St. to Poplar St.; Cypress St. from 4th to 7th Sts.; Poplar St. from Woodland Ave. to 6th St. F. S. Robinson, City Engineer.

SAN DIEGO, Cal.—Until 11 a. m., August 2, bids will be received by Supervisors of San Diego Co. for grading and paving portion of Highland Ave. between National City and Chula Vista, comprising 3334 lin. ft. 5-in. 1:2:4 concrete 18 ft. wide, unsurfaced. This work will be done under supervision of County Surveyor George Butler.

ANAHEIM, Orange Co., Cal.—The bond issue of $30,000 for sewer extensions carried at special election.

FAIRFIELD, Solano Co., Cal.—Following are approximate quantities of materials required for Road District Improvement No. 3, Vacaville Township, for which bids will be opened by Supervisors on August 1:

13,000 cu. yds. grading; 5750 cu. yds. screened gravel; 4000 tons crushed rock and screenings; 23,300 lin. ft. reshaping surface; 23,300 lin. ft. oil macadam surfacing; 562 lin. ft. corrugated culverts in place; 50 cu. yds. of concrete.

F. A. Steiger, County Surveyor.

MARTINEZ, Contra Costa Co., Cal.—County Engineer R. R. Arnold compiling estimates of cost for paving a road from Bryant to Moraga, 4½ mi. long.

ANAHEIM, Orange Co., Cal.—The $50,000 bond issue for extensions to water system carried at special election.

SACRAMENTO, Cal. — Until August 4, 9 p. m., bids will be received by M. J. Desmond, City Clerk, for improving the alley bet. T and U Sts. from 48th to 51st Sts. by constructing an 8-in. vitrified pipe sewer with 48 6-in. vitrified Y branches, 2 6-in. vitrified flusher branches and 1 concrete manhole.

Separate bids will be received on same date for improving Y St. from 21st to 28th Sts. by constructing concrete curbs and gutters, 8 concrete manholes, placing 24 gutter drains and connecting same to sewer with 6-in. vitrified sewer pipe, constructing 8-in. vitrified pipe sewers, grading and paving with 5½ in. of asphaltic concrete; also improving the alley bet. 22nd and 23rd Sts. from manhole to be constructed at intersection of Y St. to manhole at intersection of alley bet. X and Y Sts. by constructing 8-in. vitrified pipe sewer; also alley bet. 23rd and 24th Sts. from manhole to be constructed at intersection of Y St. to manhole in place of said alley bet. X and Y Sts. by constructing 8-in. vitrified pipe sewer; also 25th St. from manhole in place at intersection of Y St. to manhole in place at intersection of the alley bet. Y and Burnett Way by constructing 8-in. vitrified pipe sewer; also 26th St. from manhole in place at intersection of Y St. to manhole in place at intersection of alley bet. Y and Burnett Way by constructing 8-in. vitrified pipe sewer. Certified check for 10% payable to City required. Albert Givan, City Engineer.

LONG BEACH, Cal.—Edwin Ralph has a contract at about $25,000 to construct cement curb and sidewalks on Pacific Ave., Temple St. and Lincoln Drive for Philip Bixby Co.

MARTINEZ, Contra Costa Co., Cal.—Until August 15, 11 a. m., bids will be received by J. H. Wells, County Clerk, for graveling Division No. 25 of the county highway system, which is now under contract to grade, and is also what is known as Marsh Creek road, a distance of 4.43 miles. Contract to consist of furnishing all labor and machinery to take the gravel from the creek, clean and place on road. Certified check for 10% payable to Clerk required with each bid. R. R. Arnold, County Engineer.

BAKERSFIELD, Kern Co., Cal.—City Council has accepted offer that property owners and city will bear cost of

paving Oak St. from 4th to 24th Sts., the county to pave from 4th St. to Brundage Lane, thereby providing a complete system of paved streets for the west end of the city. Council ordered City Engineer R. H. Hubbard to complete specifications for paving Kentucky St. bet. Baker and Union Ave. "Warrenite" pavement will probably be used.

LOS ANGELES, Cal.—A. C. McCray was awarded a contract for improving Effie St. from Maltman Ave. to Lucile Ave. at 49c sq. ft. rough grading; 7c sq. ft. finishing grade, rolling and oiling; 75c lin. ft. cement curb; 23c sq. ft. cement sidewalk; 35c sq. ft. concrete gutter; $250 culvert; total, $11,514.41.

SAN FRANCISCO.—City Const. Co., Call Bldg., at 29½c sq. ft. awarded contract by Western Pacific Railroad for paving 15th St. bet. Kansas and San Bruno Ave.

BAKERSFIELD, Kern Co., Cal.—L. S. Stroud, Bakersfield, at $2079.31 was awarded contract by Council to construct sewers in Bernard Addition; $1.65 lin. ft. for pipe; $15 for lamp poles R. H. Hubbard, City Engineer.

PASADENA, Los Angeles Co., Cal.—Until 10 A. M., August 3, bids will be received by City Clerk Bessie Chamberlain for constructing 8-in. vitrified pipe sewers in San Rafael Ave., Nithsdale, San Miguel, La Loma, Lake View, San Remo and Laguna roads; 10-in. vitrified pipe sewers in San Miguel, Hermosa, Lagunita, and Laguna roads and San Rafael Ave.; 12-in. vitrified pipe sewer in Laguna road; 14-in. vitrified pipe sewer in Arroyo Blvd.; together with brick flush tanks and manholes and constructing a reinforced concrete bridge, retaining walls, water and sewer pipes, pavement, and electroliers. E. P. Dewey, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—The Supervisors of Sonoma County have awarded contracts for the construction of bridges as follows:

To W .L. Proctor, 517-A 4th St., Santa Rosa, one at Station 121+25, price, $2900 and one at Houx Station on his bid of $1185.

To Galbraith & Janes, 156 S-14th St., Richmond, one at Station 193, contract price, $1310.

SAN FRANCISCO.—E. J. Treacy, Call Bldg., at $1208 awarded contract by the Board of Public Works for improving Cayuga St. bet. Onondago and Ocean Aves, involving 160 lin. ft. concrete curbs and 2400 sq. ft. asphalt pavement. M. M. O'Shaughnessy, City Engineer.

RICHMOND, Contra Costa Co., Cal.—Council planning to resume paving activities. It is expected bids will be called at the next meeting for improving 29th St. Petitions have been received asking improvement of 2nd St. and for improving all streets in the San Pablo Villa Tract. H. D. Chapman, City Engineer.

SOUTH PASADENA, Los Angeles Co., Cal.—R. T. Shea & Co., Riverside, awarded contract at $25,661 for improving Orange Grove Ave. Other bids were Kneen Paving Co., $25,866; Ducey & Breitenstein, about $28,000; Wells & Bressler, $29,590; Benson & Son, $31,256.

Clarence P. Day, Pasadena, awarded contract at $14,025 for improving Garfield Place. Other bids were R. T. Shea & Co., $14,490; Kneen Paving Co., $15,431; Ducey & Breitenstein, $16,404; Wells & Bressler, $17,409; Benson & Son, $19,766.

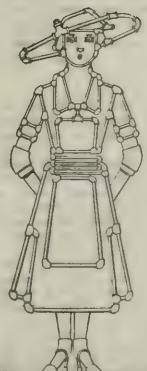
SPARKS, Nevada. — Christensen & Jensen, Reno, at 19c sq. ft. awarded contract by City Council for constructing approximately 30,000 lin. ft. of cement sidewalks from A St. to county road, and from 5th to 15th Sts. Five bids were submitted ranging from 19c to 24c sq. ft.

ELKO, Nevada.—Rockwell & Sutton, Elko, at $2734.04 awarded contract to construct cement sidewalks fronting the high school dormitory, gymnasium and instruction building from the foot of 9th St. hill. A. L. McGinty submitted the only other bid at approximately $800 higher than the successful figure.

VALLEJO, Solano Co., Cal.—City Engineer T. D. Kilkenny is preparing estimates of cost for constructing 6 and 10-in. sewer in Fleming avenue, from Amador to Sutter streets. Council is also considering the construction of a sewer in Indiana street between Colusa and Amador streets.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, Clerk, passes Resolution of Intention No. 22399 for improving portions of 28th street by grading, constructing concrete curbs and gutters and paving with oil macadam. Geo. Mattis, City Engineer.

SOUTH PASADENA, Los Angeles Co., Cal.—Until 5 p. m., August 22, bids will be received by the City Clerk for improving Lyndon St., involving 72,000 sq. ft. 3-in. oil macadam paving, 7200 sq. ft. cement gutter and 320 lin. ft. 6-in. vitrified sewer. Plans and specifications may be obtained from R. V. Orbison, City Engineer.



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INGLEWOOD, Los Angeles Co., Cal.—Geo. H. Oswald was awarded a contract at $40,238 for improving Centinela Ave. bet. Santa Fe Ry and Damask Ave., unit prices being, grading and subgrade, $1 lin. ft.; 6-in. concrete paving, 27c sq. ft.; wooden guard fence, 80c lin. ft.; culvert complete, $2900; storm drain complete, $290. Other bids were Kneen Paving Co., $40,840.93; E. L. Garretson & Son, $44,846.80; Wells & Bressler, $47,984.76; J. Paul Benson, $49,487.80; L. A. Paving Co., $55,925.39.

EAST SAN DIEGO, Cal. — Until 8 p. m., September 1, bids will be received by the City Clerk for constructing 6-in. vitrified pipe sewers, 8-in. cement pipe sewers, 6-in. cast iron pipe sewers in a number of streets and alleys, under Imp. Act 1911. Certified check or bond for 10% required. Wilbur W. Easton, City Clerk.

CHICO, Butte Co., Cal.—City Trustees pass Resolution of Intention 204 for improving streets in 13th subdivision. Project involves 130,000 sq. ft. 4-in. concrete pavement; 9000 sq. ft. 4-in. concrete gutter; 26,000 sq. ft. concrete sidewalks; 5000 lin. ft. concrete curb; 300 lin. ft. corrugated iron culverts.

Work under Imp. Act 1911. Protests will be heard August 10. Frank S. Robinson, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—Until Aug. 1, 5 P. M., bids will be received by John J. Lynch, City Clerk, for improving crossings of Seventh and Eighth streets, at James by regrading, paving with an asphaltic concrete wearing surface 1½-in. thick on an asphaltic concrete base 3½-in. thick, and constructing 3 brick catchbasins. Wm. Popp, City Engineer.

SAN JOSE, Santa Clara Co., Cal. — Following bids received by Supervisors for improving Branham road in Supervisor Districts No. 4 and 5: F. R. Ritchie, $50,840; Fay Improvement Co., $62,986; engineer's estimate, $40,700. Bids rejected and work ordered done by day labor under supervision of County Engineer Irving L. Ryder.

Following bids received for improving Downer Ave. in Supervisor Dist. No. 4: F. R. Ritchie, $110,000; Fay Improvement Co., $121,000; engineer's estimate, $89,000. Bids rejected; work ordered by day labor.

Following bids received for improving Main St. in town of Mayfield. Supervisor Dist. No. 5: F. R. Ritchie, $25,538; Fay Improvement Co., $21,899; engineer's estimate, $16,900. Bids rejected and work ordered by day labor.

No bids received for improving Uvas, Grant and Santa Clara, Alviso and Milpitas roads, the work was ordered done by day labor under the supervision of County Engineer.

County Engineer instructed to continue survey of Gilroy Hot Springs road to Gilroy Hot Springs and to improve Felissima Ave. in Supervisor Dist. No. 5

OAKLAND, Cal. — County Surveyor P. A. Haviland completes specifications for improving roads in the vicinity and through the grounds of the County Hospital at San Leandro; estimated cost, $22,500. Bids ordered advertised.

STOCKTON, San Joaquin Co., Cal.—City Council, A. L. Banks, Clerk, passes Resolution of Intention 682 to construct system of lateral sewers with Ys, house branches, manholes with and without automatic flushers, etc., in Pershing Ave., and Roosevelt St. bet. Scotts Ave. and Washington St.; Orange St. bet. Hazelton Ave. and Washington St.; Argonaut, San Jose and Yosemite Sts. bet. Church and Washington Sts.; Stockton St. from Church northerly 870 ft.; Washington St. bet. Pershing Ave. and Yosemite St.; Sonora St. from Pershing to Stockton St.; Church St. from Roosevelt to Stockton; Hazelton Ave. bet. Pershing and Orange; Scotts Ave. bet. Pershing and Roosevelt. Imp. Act 1911. Protests will be heard August 16. W. B. Hogan, City Engineer.

NAPA, Napa Co., Cal.—Until August 9, 10 a. m., bids will be received by James A. Daly, County Clerk, for surfacing with gravel that portion of the Silverado Trail bet. Oak Knoll Ave. and the Cross Road to Yountville. Certified check for 10% payable to Chairman of Board of Supervisors required with each bid. Plans on file in office of Clerk. Edw. P. Ball, County Surveyor.

NAPA, Napa Co., Cal.—City Attorney instructed to prepare resolution providing for widening of Madison St. from Clay St. northerly. H. A. Harrold, City Engineer.

EL MONTE, Los Angeles Co., Cal.—H. M. Hanawalt of La Verne was awarded the contract at $51,521.57 for paving with 5-in. and 6-in. concrete Main and 8 other streets. O. A. Gierlich, City Engineer.

CALEXICO, Imperial Co., Cal.—The City Trustees will again call for bids for constructing cement sidewalks and curbs on various city streets and City Engineer Paul Entenmann has been instructed to prepare a form of advertisement. It is said that this work, which was originally estimated to cost $250,000, can now be done for a sum materially smaller.

PORTLAND, Ore. — C. H. Purcell, District Engineer, U. S. Bureau of Public Roads, Dept. of Agriculture, will receive bids until August 3, 10 a. m., for constructing 17 miles of the Mt. Hood loop project, lying in Hood River and Clackmas Counties. Work is divided into 11 sections, to be bid on separately or as one unit.

SANTA BARBARA, Cal.—Fairchild-Gilmore-Wilton Co. of Los Angeles submitted the only bid at $570,000 for constructing 22 miles of the Surf to Lompoc highway in the Lompoc Permanent Road District. The proposed road is 29 miles. As there would be only $511,000 available, including $400,000 bonds voted by district and $111,000 appropriated by county the bid was rejected. District attorney held $30,000 accrued interest could not be applied to road work. Owen H. O'Neill, County Surveyor.

SUSANVILLE, Lassen Co., Cal. — Town Trustees, J. B. McAllister, Clerk, passes resolution of intention to construct trunk line sewers in alleys north and south of Main St., a former resolution of intention providing for sewers in alley south of Main St. being rescinded. New resolution provides for a 10-in. vitrified pipe sewer in alleys of Blocks 2, 3, 4, 5, 10, 11, 12 and 13, including construction of Y branches, brick manholes, etc., and by placing a 4-in. rolled gravel pavement. Imp. Act 1911. Protests will be heard August 3. C. C. Kennedy, 58 Sutter St., San Francisco, Town Engineer.

SANTA CRUZ, Ariz.—Arizona State Highway Dept. was awarded contract at cost plus $10 to construct 13 miles Sonita-Patagonia section, Santa Cruz County highway system. State Engineer Thos. Maddock recommended the acceptance of bid submitted by deWaard, Cobham & Holcomb, saying the State could not do the work cheaper. However, the County Highway Commission preferred to let the work to the State which is now finishing the 15 miles from Sonita to Cochise County line.

BENICIA, Solano Co., Cal. — City Trustees, J. C. McAravy, Clerk, passes resolution of intention to improve First St. from J St. to north boundary of S. P. right of way. Imp. Act 1911. Protests will be heard August 16.

BURBANK, Los Angeles Co., Cal.—A resolution of intention to grade and pave 11th St. bet. east boundary and Olive Ave. with concrete 30 ft. wide adopted by City Trustees. 1911 Act.

SUSANVILLE, Lassen Co., Cal. — Town Trustees approve plans of Town Engineer C. C. Kennedy, 58 Sutter St., San Francisco, for paving Pine and Weatherlow Sts. Resolution of intention has been ordered passed.

PHOENIX, Ariz.—Twohy Bros. Co., contractors for the Maricopa County highway system, submitted the lowest bid at $24,683.59 for paving 11 blocks on Central Ave. with cement concrete. Dan La Roe submitted the only other bid at $28,550.22.

NAPA, Napa Co., Cal. — Ray E. Errington, Napa, at $2147.17 awarded contract by Council for improving Coleman St. for its entire length involving 260 cu. yds. grading; 661 lin. ft. concrete curbs; 11,415 sq. ft. two-course macadam pavement; 1 concrete catchbasin. H. A. Harrold, City Engineer.

OAKDALE, Stanislaus Co., Cal. — The City Trustees have agreed on a paving program to include one mile on W. Railroad Ave., two blocks on 3rd Ave., two blocks on E and G Sts. and entire downtown business section. Type of pavement not determined. Some property owners favor concrete and two trustees favor asphalt. Geo. Macomber, City Engineer.

BANNING, Riverside Co., Cal.—The City Trustees have authorized Paul E. Kressly, consulting engineer, H. W. Hellman Bldg., Los Angeles, to proceed with preliminary work on paving Ramsay St. and streets in downtown section. Bonds will probably be voted for the work. The State Highway has agreed to pave about 2 miles of highway through Banning if the city will pave 1 mile of connecting road.

SANTA CRUZ, Santa Cruz Co., Cal.—Merced Concrete Pipe Co., Merced, at $11,811.87 awarded contract by council for sewering portions of Harrison and Grant Aves., Chilverton St., Dellview, Melrose, Parnell, Fairmount, Morrisey Aves., Rooney, Elk and other streets, involving, 2686.93 ft. 10-in., 682.03 ft. 8-in. and 6802.03 ft. 6-in. sewer; 88 10-in., 21 8-in. and 215 6-in. Y branches and 35 manholes. The estimate of City Engineer James J. James is $17,000.

SANTA BARABARA, Cal.—Until 5 P. M., August 4, bids will be received by the City Clerk for grading and paving with 3-in. asph. concrete base and 2-in. asph. concrete wearing surface, and constructing cement curb and gutters, drains and sewers in Victoria St. between Chapala St. and San Pasqual St. Certified check or bond for 10% required.

SAN FRANCISCO—Until August 3, 2:30 P. M., bids will be received by M. Philomene Hagan, Secretary, Playground Commission, 3rd Floor, City Hall, for laying approximately 25,000 sq. ft. asphalt pavement and sub-base in portions of Margaret S. Hayward playground, Golden Gate Ave., Turk, Gough and Octavia streets. Certified check for 10% payable to Secretary required with each bid. Specifications will be furnished on request.

OAKLAND, Cal.—Hutchinson Co., 444 17th St., Oakland, awarded contract by the Council to improve 37th Ave. from E-14th St. north to creek, involving 15,040 sq. ft. grading; 885 lin. ft. concrete curb; 1880 sq. ft. concrete gutter; 13,080 sq. ft. oil macadam pavement.

Oakland Paving Co., 5000 Broadway, Oakland, awarded contract to improve Sunnyside St. from 90th to 96th Aves., involving 84,263 sq. ft. grading; 2673 lin. ft. concrete curb; 5617 sq. ft. concrete gutters; 39,098 sq. ft. oil macadam pavement; 16,852 sq. ft. cement sidewalk. Geo. Mattis, City Engineer.

SAN FRANCISCO. — City Engineer M. M. O'Shaughnessy completes specifications for improving 8th St. bet. Carolina and 16th Sts., including that portion of Wisconsin St. north of 16th St. The estimated cost of the improvement is $29,500 and involves 1077 cu. yds. cut; 208 cu. yds. fill; 1091 lin. ft. concrete curbs; 14,778 sq. ft. artificial stone sidewalks; 39,862 sq. ft. basalt brick pavement on a concrete foundation; 338 lin. ft. 12-in. vitrified pipe sewer; 355 lin. ft. 10-in. vitrified pipe culvert; 10 brick catchbasins; 2 brick manholes and 8 12-in. Y branches.

SUIT STARTED TO TEST VALIDITY OF ENGINEER'S APPOINTMENT

The Highway Commission of Yavapai County, Arizona, recently closed a contract with Olmsted & Gillelen, consulting engineers of Los Angeles and San Francisco, to supervise the construction of about 200 miles of highway to be built under a $1,500,000 bond issue. Suit has been brought to enjoin the carrying out of the contract in order to test its validity. O. A. Helsa, a citizen of Prescott, being the plaintiff. It is contended in the petition that the contract is void because there is no vacancy in the office of highway engineer and the contract would delegate illegally the powers and duties of the highway commission. Mr. Helsa declares he has no desire to delay the construction of the highways and that his sole motive is to settle any questions there may be affecting the validity of the contract.

GRANITE MANUFACTURERS TO CONVENE IN S. F.

The annual convention of the Granite Manufacturers' Assn. of California will be held in San Francisco beginning Monday, August 1, and ending on Friday of the same week. There will be about 125 delegates in attendance, including many dealers and granite quarry owners from every State west of the Rocky Mountains.

The session will begin on the evening of Monday with an informal reception in the Oak Room of the Palace Hotel. On Tuesday, Wednesday and Friday there will be business sessions from 9 to 4 o'clock each day, with a dinner and theatre party on Tuesday evening.

Wednesday evening there will be a banquet in the concert room of the Palace Hotel, and on Thursday, "Retail Dealers' Day," the visitors will be entertained by the San Francisco retailers with a trip to Mare Island and automobile rides all over the peninsula, as well as with lunch at the Cliff House

The ladies of the party will be given special entertainment around the city during the business sessions and a theatre party on Friday night will conclude the session.

The officers of the Granite Manufacturers' Assn. include John D. McGilvray, president; P. D. Mullaney, first vice-president; F. E. Brittain, second vice-president; Max Roth, treasurer; E. A. Weisenburger, secretary; Clarence F. Pratt, chairman of the committee of arrangements.

BUTTE COUNTY HIGHWAYSYSTEMS FACE TIE-UP

Work on the Butte County highway system will probably be discoinitnued due to inability of the Supervisors to dispose of the bonds, according to H. H. Hume, County Engineer, who declares out of the original $1,800,000 bonds issued only $500,000 have been sold and this amount will be used up by the first of the year. Unless additional bonds bearing five per cent interest can be sold the good roads work will be forced to stop.

There are two alternatives, Engineer Hume says, one of which is the payment of contractors in bonds, which is not regarded with favor as the contractors would make up the discount in higher bids which would eat seriously into the road funds. The other alternative would be to withdraw the 5 per cent bonds and pass another bond issue bearing a higher rate of interest.

SAYS SURETY COMPANY BONDS UNNECESSARY

Repeal of a resolution passed last winter requiring all contractors bidding on school contracts to submit bonds furnished by surety companies has been asked by E. C. Hemmings of the Architectural and Engineering Commission of the Sacramento City Board of Education. Architect Hemmings recommends that the contractors be allowed to furnish bonds endorsed by responsible persons willing to submit a statement of their properties. On three previous bids the surety companies exacted 1½ per cent of the contracts. Hemmings said, which has cost the city an approximate total of $10,000. Under the resolution, he said, local contractors are forced to deal with the surety companies when they could furnish satisfactory bond without the extra expense.

FORMER SACRAMENTAN GETS HIGH PRAISE AS ARCHITECT

Julius Gregory, a native of Sacramento, now in New York as an architect, has come into prominence as the designer of a novel home for Chas. E. Chambers of New York, the illustrator, a description of which was given in a recent issue of the New York Herald.

The house is designed after a Norman farmhouse of generous proportions and, because of its quaintness and fine workmanship, has brought much praise to Gregory. The work of Gregory is described by the Herald as "a domestic dwelling of trenchant beauty and strength." Several illustrations of the house accompany the descriptive article.

Gregory served with the American Expeditionary forces as a camouflage artist.

For working with chains, pliers have been invented that open links with notched jaws or close them with the notches insid the handles.

There were more than 2,000,000 negro slaves in the United States before 1861.

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NORTHERN CALIFORNIA LEADS IN ELECTRICAL DEVELOPMENT

San Francisco and Northern California hold more world records in electrical development than any other community in the United States.

This fact is emphasized in a report written for the San Francisco Chamber of Commerce by Robert L. Eltringham, manager of the California Electrical Co-operative Campaign, the educational organization maintained by the electrical industry with headquarters in San Francisco.

Here are some of the premier records held by San Francisco and Northern California in electrical development:

The largest oil-burning, steam-generating unit in the world is the San Francisco plant of the Pacific Gas & Electric Company, of 76,000 horsepower, or 1,368,000 kilowatt hours daily capacity.

The largest hydro-electric plant west of the Mississippi sends its energy to San Francisco, this being the Great Western Power Company's plant at Big Bend, on the Feather River, of 87,000 horsepower.

Northern California has the highest voltage transmission line in the world in the Great Western Power Company's 165,000 volt line from the Caribou plant on the Feather River to San Francisco, a distance of 186 miles.

This is to be surpassed by the project under construction by the Pacific Gas & Electric Company, from Pit River to San Francisco, a 220,000 volt transmission line.

The three largest high voltage submarine cables in the world are under San Francisco Bay. These are the cables of the Great Western Power Company from Oakland to San Francisco, the largest being 22,050 feet long and the shortage 18,705 feet. All three are operated at 11,000 volts.

The second largest electrical aerial span in the world is that of the Pacific Gas & Electric Company across Carquinez Straits, 4427 feet.

The California-Oregon Power Company, with home offices in San Francisco, serves a territory in Northern California and Southern Oregon of 15,000 square miles—an area as large as Massachusetts, Rhode Island and Connecticut combined.

The Pacific Gas & Electric Company is the largest power company west of Chicago, serving an aggregate area of square miles greater than that served by the entire 240 companies operating in New England. It supplies 260,356 consumers with electrical energy.

TO ESTABLISH SEWAGE FARM AT BURBANK

Permission has been secured by the City of Burbank from the State Board of Health for the establishment of a sewage farm and operation of a sewage treatment plant and the way is now clear for the construction of a sewer system. Bonds to the amount of $140,000 have been voted and they will now be offered for sale. Koebig & Koebig, consulting engineers of Los Angeles, are preparing plans for the sewer system and will supervise its construction.

QUANTITY SURVEYS

By ARTHUR PRIDDLE

This subject is getting to have something of interest for architects, contractors and owners—judging from the fact that there has been considerable attention given to it and notices or effusions on the subject in different periodicals during the past few months.

It seems to be getting to be understood that it is no joke—though the way this service has been performed or obtained in these United States up to the present writing would indicate that it has not yet gotten very far past that stage.

The Scotch "guess an' be ————" system still obtains in most places and with many contractors throughout the land and it takes "Brave men with their eyes shut" to take chances that are taken with the present system—if such it can be called.

The man commonly called the quantity surveyor and estimator — one or either or both—and is a specialist; he is not the contractor, nor is the contractor the quantity surveyor and estimator—he has other business activities. Neither is he the architect-engineer for the same reason. The quantity surveyor and estimator is a specialist in his line and is intermediary between architect-engineer and contractor and he is a very necessary adjunct to both.

The quantity surveyor devotes his time to a critical and analytical examination of plans and details and the explanatory specifications or bill of particulars or bill of purchase and sale as it should be called, with the sole object of listing the requirements for the work, for the purpose of giving the contractor a correct basis for making up his bid. He actually does what the boy does who tears the bit of machinery to pieces to "see the wheels go round," finds out and lists how much of what it is made of, according to the specifications.

The quantity surveyor and estimator is the best judge of the value of a piece of work on account of his close touch with the labor and material markets and the general elements of the contracting business.

The quantity surveyor and estimator is the best judge of the cost of doing a piece of work from the present plans on account of his varied experience in handling projects of many kinds and if he is a practical, experienced man in the business, without doubt his services should be used in connection with any important project and all projects are of some importance in that they involve the expenditure of money for labor and materials, placed in certain positions.

One thing is certain—there is only one quantity in a building—excavating, concrete, brick, steel, lumber, plaster, etc., etc., etc.—and if the describing and delineating documents are precise and clear as they should be, the quantity surveyor can tell what that quantity is to a nicety.

While the United States is not quite ready for the quantity survey system as used in such countries as the United Kingdom and its colonies—there seems to be quite a leaning towards a hankering for service of something of the same nature.

Some of the Public Works Commissions and the engineering departments of large private concerns have made and furnished quantity surveys on the works being considered, yet, even in such cases the writer has seldom noticed a plan, specifications and quantity list that was absolutely guaranteed as the quantity list of materials required for the work—as a purchase and sale—the saving clause to the designer and owner "the list herewith is not guaranteed, but to be used as a guide," is usually appended; what good is such a list—the contractor has to make his certifying quantity survey anyway; therefore, the time spent by the engineer in the first place is of no value and is an expensive and very nearly useless waste of time. Yes, much worse than a waste of time only, as the time spent could have been devoted to matters of greater moment and which are being neglected while the "size-up" quantity lists are being taken out.

The writer is not at this time advocating the quantity survey system; he thinks we are a long way removed from that desideratum—he does, however, think there is a happy medium that could be applied at a very short date and much time and money be saved to the contractors and architect-engineers.

If our practical estimators, quantity surveyors, contractors, architects and engineers and possibly some of the owners who do continuous building would get in and discuss the matter, some progress would be made towards getting this feature of the contracting business on to a better basis.

SANTA CLARA COUNTY TO OPERATE ROCK QUARRY

A transaction involving the expenditure of $85,500 was brought to a close by the Santa Clara County Supervisors when they gave notice of intention to purchase the large quarry situated on the Quito or Campbell Creek near the town of Saratoga. By the acquisition of this property the county will have sufficient rock to complete and do all necessary road work for many years to come. The owners of the property, who have signed the agreement of sale, are James J. Stanfield, Mrs. F. W. Knowles, Harry B. Reynolds and Frank B. Willard.

RAILROAD BUILDER WANTED

H. L. Shaner, Sand Springs, Okla., desires to hear from contractors who would be interested in the construction of 200 miles of electric railway with a hydro-electric power plant, a $4,000,000 project in Oklahoma for which the plans are practically complete. The road is to be known as the Missouri Interburan Railroad.

WILLIAM FOX BUYS IN OAKLAND

One Million Dollar Investment by New York Concern

By papers placed on record today, William Fox, president of the Fox Film Corporation, has purchased a piece of property on the east side of Broadway, about 150 feet north of 17th St., with a frontage of 156 feet and a depth of 150 feet, including a 50-foot L on 19th St., from Frank Proctor and the McDermott Estate. The price of the property has not been made public, but it is in the neighborhood of $500,000.

A. C. Blumenthal & Co., who will handle the property for the Fox people, stated that they have been authorized to lease the present stores on the present property only from week to week, and that plans are now under way by Weeks & Day and Maury Diggs, architects, for the construction of a theatre to cost at least three quarters of a million dollars. The plan of this theatre provides for a 40-foot entrance on Broadway, the balance of the frontage devoted to high-class stores, which will be rented by this firm to mercantile tenants.

This deal, like the Orpheum, has has been hanging fire for several months, but practically creates a new theatrical district for Oakland. It is estimated that it will take approximately two months before the construction will commence, and about eight months thereafter to complete the theatre and store building and have it ready for operation.

Mr. William Fox is one of the most widely known and succesful film producers in the United States, and has a chain of vaudeville and picture theatres all over the United States, extending as far as Denver. This Oakland theatre will mark his entrance to the Pacific Coast field ,and it is understood he will immediately build in Oakland, San Francisco and the Northwest. As a matter of fact, Mr. Fox is one of the pioneers of picture and vaudeville industry, and it is a great compliment to Oakland that he will commence his activities on the Pacific Coast in Oakland. Oakland is to have at last a high-class, strictly modern house, which it has so long needed. Perhaps Mr. Fox is more recently known by the production of such super-features as "The Queen of Sheba," "Over the Hill," now playing in San Francisco; "The Connecticut Yankee in King Arthur's Court," and several others.

Mr. Frank Proctor, from whom this property was purchased, has long been very much interested in upper Broadway, and the selection of this site between 17th and 19th Sts. on the east side of Broadway corroborates Mr. Proctor's judgment that the next step in the development of Oakland would be in this neighborhood.

A. C. Blumenthal & Co., Inc., who will handle the property, are now handling property involving the construction of $15,000,000 worth of buildings on the Coast. Mr. Blumenthal states that the stores will be of the highest character, and will cater to the best class of tenants in Oakland. A number of applications for space will immediately be received by his office, and it is hoped that the stores can be occupied simultaneously with the opening of the theatre.

OLD FASHIONED HOME REPLACED BY APARTMENT HOUSE

The small cities of the United States are gradually abandoning the old-fashioned American home for the modern apartment house.

This fact was revealed in a report on building operations in this country in 1920 issued recently by the Civic Development Department of the Chamber of Commerce of the United States. This report, which was compiled by the National Chamber in conjunction with the Federal Bureau of Labor Statistics, is one of the most complete of its kind ever prepared, and contains definite data on the amount of building construction carried on in the United States last year.

The building figures show that in 1920, seventy per cent of the families provided for got one-family dwellings; eleven per cent two-family dwellings and nineteen per cent apartments in a multi-family dwelling. According to the report, the figures also indicate that the proportion of multi-family dwellings that were provided last year was largest in the small cities which have not had as much experience with this type of habitation as the larger cities. At the same time the report shows that there was more house building in proportion to population in the smaller than in the larger cities. The new accommodations—house or apartment—provided in cities of 25,000 to 100,000 population was one for every 258 inhabitants, while in cities of more than a million population it was one for every 591 inhabitants, and the average for all the cities listed was one for every 350 inhabitants.

It is shown that 1920 was the record year for sale of bath room equipment despite the small amount of new residence building. A great deal of this equipment was used in the conversion of one-family dwellings into tenement houses. The economic and social significance of these alterations, the report says, is of first importance.

A bank soliciting the required building information was sent out to the 288 cities in the country having a population of 25,000 or over. Their total population was nearly 38 million. Of these, 131 cities, with a population of 81.5 per cent of the total, reported.

"It is interesting to note," says the report, "that of the estimated one billion forty-three million dollars spent on buildings in 1920 in the cities reporting, more than 36 per cent ($382,307,000) were devoted to dwellings. Factories and work shops came second with 16.8 per cent; stores and mercantile buildings third, with 13.3 per cent; while office buildings and garages tied for fourth place with 8.2 per cent each. Schools, hospitals and charitable buildings together called for 5.4 per cent or $77,388,000. Amusement places cost more than churches, hospitals or public buildings, the sum being $38,637,000.

"If the rate of building in the non-reporting cities was the same as in those which reported, the total number of building in all the cities of 25,000 or more population may be estimated at 195,000, at an estimated cost of $1,280,000,000."

Smile! Whistle! Kill Pessimism--- Business Plentiful---Go Get It

An Open Letter Issued by Smith, Emery Company, Engineers

For a long time we have been systematically fed on pessimism through the press, postal channels, Trade Organizations, the banks and our friends, all trying to prove in one way or another that business, particularly our business and that of the Government, has the Mollygrubs, doddles, doldrums or what not. Frankly we are sick of the diet. The "worm has turned." The time honored "silver lining" to the cloud is getting so hefty that pretty soon it's going to turn the old cloud foreside to. You know it and we know it. Then why the Mollygrubs?

Now don't call us "nuts" or some other post-war pet name because we've cut out the pessimism. We are losing a little mony, so is everyone else. We knew we were going to lose it, so let us be good losers. Whistle! It's better for the community. If things are not exactly lively in business and we don't know just what to do next, remember the fellow who had hold of the grizzly's tail. He had a near-up problem, fully equal to yours and ours, but history does not say anything about his having let go.

There's lots of business to be done; it's just around the corner. Why not go after it and help get things started. Try smiling. Attempt a joke if it does sound a little thing and hollow. It may provoke somebody to laugh or smile at your temerity. Laughs and smiles are what we want now. Cultivate the Bacillus "Cheerfulness." Get out your forgotten warm handshake that used to stir the cockles of your friend's heart. Let us walk around like we had something important to do. What are we afraid of anyway? Bugaboos or Goblins? Riley's story about Goblins was for little "Orphan Annie"—not for business men with a world's problem.

If we have failed to do our share in adjusting prices and wages to where we know they must go, let us do it now—deflate—for "we are going over" and there is no room for slackers or profiteers but plenty for the real "American" the finest title in the world.

Give Harding a chance. His politics don't matter. He is President of the United States of America, the greatest country on this old terrestrial globe. Give him a square deal. Give Congress a chance. Get out the constructive ideas that we have a grasp on, and fire them along to our congressmen and Senators. They are human and will like it. It will help the country.

Give the Stars and Stripes a chance to flutter in a real American commercial breeze. We know how! Let's go!

LUMBER PRODUCTION SHOWS DECLINE

For the week ending July 16 107 mills in Western Oregon and Western Washington report production of 49,352,574 ft., which is 35 per cent below normal.

New business totaled 44,998,272 ft. Shipments totaled 46,592,018 ft. For delivery by rail, new business included 1165 cars; rail shipments 1275 cars. Unshipped balance in the rail trade was 2942 cars.

Local business totaled 3,573,369 ft. In the cargo trade, domestic orders totaled 2,712,903 ft.; export, 3,762,000 ft. Coastwise and intercoastal cargo shipments totaled 3,457,419 ft.; export shipments, 1,811,230 ft.

TO LINK THREE STATES IN HIGHWAY SYSTEM

A movement to unite Southeastern Oregon, Northwestern Nevada and Northeastern California in a road system that will control Eastern travel, with San Francisco and Portland as the objective points, is now being outlined by the Northern California Counties Association. The preliminary work includes interesting the three Governors, the Boards of Supervisors of adjoining counties within the three states, and all active commercial bodies in the zone of activity. A co-operative plan of road and development work, with Klamath Falls, Ore., Winnemucca and Reno, Nev., and Alturas, Ager and Susanville, Calif., as centers, is well underway.

EARLY CONSTRUCTION OF LUMBER MILLS ASSURED

According to announcement made by Vice President O. C. Griffith of the Hutchison Lumber Co., decision has been reached to start construction of the company's sawmill, planing mill and box factory in Oroville, Sept. 1.

Griffith announces the sawmill will have a daily cutting capacity of 400,000 board feet. The mill will be one of the largest in the West.

It is proposed to have the plants completed and ready for operation by April 1, 1922.

Griffith announced a telegram had been sent the company's construction superintendent in West Virginia to report here by August 10, to begin assembling crews and material for the construction work.

CHICAGO IS WORLD'S LUMBER MARKET

Chicago is the greatest lumber market in the world. Since 1890 an average of over 2,000,000,000 ft. of lumber has come into Chicago every year. In 1920 the figure was nearly 2,500,000,000 ft., 60 per cent of which went into local construction and manufacturing industries. In 1900 the average freight paid on lumber coming into Chicago was less than $3 per M ft. Since that time the local sources of supply for this territory have been exhausted one after another. Lumber shipments have traversed greater and greater distances, and the average freight bill paid by the Chicago distributor has steadily risen to more than $12 per M ft.

STROBRIDGE, RAILROAD BUILDER, DIES AT HAYWARD

J. H. Strobridge, the man who drove the last and golden spike on the Central Pacific at Corinne, near Ogden, in 1869—officially tying the knot in transportation reaching from coast to coast—and permanently linking the east with the west, died July 27th at his home in Hayward. He was 95 years old.

Strobridge was known throughout the world as an engineer and a builder of railroads and empires and his career was one of historical romance.

Besides a maker of railroads, he had been a farmer, a miner, a rancher, a hotel man and a canal builder.

U. S. BUILDING ACTIVITIES SHOW IMPROVEMENT

With regard to the building situation, S. W. Straus of S. W. Straus & Co., says:

"Building activities throughout the country show improved tendencies as we approach mid-season.

"Fundamental conditions at this time are favorable to a construction program somewhat in keeping with the magnitude of the Nation's needs. Optimism in part is based on the improvements which lately have been shown in the labor situation, which always is a factor of prime importance. In various parts of the country large numbers of the members of the building crafts have resumed work, following amicable settlements of wage disputes, which have generally been arbitrated along the lines of slight recessions in wage scales.

"The increased activities which have been manifested continuously since February 1 are beginning to exert an influence in the market for building materials, which lately has begun to reflect tendencies toward a higher range of prices. The pressure for new work is enormous and the amount of actual construction undertaken is not over 50 per cent of the amount definitely planned.

"Opinion quite generally prevails that a continuation of present tendencies will result in a satisfactory stabilization of building costs, but, with such an extensive margin of demand over supply it is considered probable that stabilization will be brought about at levels as high if not higher than those now in effect."

Have You Received the Price Stock Bulletin?

Smith Booth Usher Company of Los Angeles and San Francisco have made a radical departure from past trade customs by sending out an illustrated Price Stock bulletin, which shows in plain figures the net market price of every item carried in their immense stock of machinery, supplies, pipe and fittings.

This bulletin is making a tremendous appeal to the trade in general. It enables the buyer to figure exactly on the cost of prospectiv equipment, as the prices are not hidden by a mass of discounts that open the way to mistakes and disputes.

It has been their endeavor to mail a copy of every name on their mailing list, and they hope that those of their friends, who may not have received this bulletin, will advise them of the fact.

A new metal cigar holder has a compartment for an unfinished lighted cigar.

CONTRACTORS MAY HEAR CEMENT TALKS ON REQUEST

Chapters of the Associated General Contractors and affiliated bodies of construction men are invited by the Portland Cement Assn. to call on that organization for speakers who will attend meetings and give talks on "Recent Developments in Concrete."

Extensive investigations have been made at the Structural Materials Research Laboratory of Lewis Institute as to the best methods of making concrete. The results of these investigations are set forth by the Cement Association's speakers.

Headquarters of the association are at 111 W. Washington St., Chicago, and there are branches in 21 of the larger cities throughout the United States.

A portable arc welding plant, to be carried on a motor truck, portions of it helping to complete the truck's power equipment, has been invented by an Englishman.

According to the National Bank of Commerce, in New York, out of every dollar of national expenditure, 77.3 cents goes for purposes of war.

PACIFIC BUILDER

The only daily newspaper in the West whose columns are devoted exclusively to Building News. Covers San Francisco and Bay Counties. $1.25 per month, payable in advance. Send for sample copy.

560 MISSION STREET SAN FRANCISCO, CAL.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1569	Ryan	Callaghan	650
1570	Kurz	Morton	600
1571	Humboldt	Brockhage	30000
1572	Killin	Owner	900
1573	Pac Rolling Mill	Owner	1500
1574	Deane	Sayre	500
1575	Solomon	Britt	3000
1576	Lemey	Owner	5000
1577	Leighton	Loehr	500
1578	Taylor	American	16000
1579	Kirby	Owner	10000
1580	Brophy	Mager	4265
1581	Deane	Sayre	500
1582	Costello	Owner	8000
1583	Dewitt	Merritt	1500
1584	Planters	Atlas	1363
1585	Lurie	Barrett	52000
1586	Hanroll	Owner	500
1587	Wave	Owner	1600
1588	Deahl	Johnson	15000
1589	Hartford	Owner	3000
1590	Massagli	Owner	3000
1591	Hind	Hind	3000
1592	Same	Same	2800
1593	Brophy	Mager	4265
1594	W. P. R. R.	City	——
1595	Johnson	Owner	10000
1596	McCarthy	Arnott	3500
1597	Weinberg	Milward	500
1598	Sisters	Hurley	500
1599	Ott	Owner	2500
1600	Moneta	Arnott	3700
1601	Moneta	Arnott	14800
1602	Cantrell	Owner	500
1603	Kendrick	Harrell	500
1604	Goldstein	Thulin	3000
1605	Burman	Owner	3000
1606	Woolf	Farquharson	1500
1607	Wood	Greene	960
1608	Smith	Allred	6000
1609	Farley	Reedy	3500

PERMITS

ALTERATIONS
(1569) 956 ASHBURY. Alter dwlg.
Owner—Mrs. T. Ryan, Premises.
Architect—None.
Contractor—Jack Callaghan, 900 Clayton St., San Francisco. $650

ALTERATIONS
(1570) NE GEARY AND ARGUELLO Blvd. Alter private garage.
Owner—H. J. Kurz, Care Architect.
Architect—Arthur G. Scholz, 839 Phelan Bldg., San Francisco.
Contractor—John Morton, 217 Balboa Bldg., San Francisco. $600

ALTERATIONS
(1571) 783 MARKET. Alter bank.
Owner—Humboldt Savings Bank, Prem.
Architect—Smith O'Brien, 742 Market St., San Francisco.
Contractor—Brockhage, Foley & Green, 180 Jessie St., San Francisco. $30,000

DWELLING
(1572) N OAKDALE 150 W Keith. One-story frame dwelling.
Owner—Mrs. E. Killin, 1053½ Tennessee St., San Francisco.
Architect—None.
Day's work. $900

ALTERATIONS
(1573) W TEXAS bet. 16th and 17th. Alter stock shed.
Owner—Pacific Rolling Mill Co., 17th and Mississippi Sts., San Francisco.
Architect—None.
Day's work. $1500

GARAGE
(1574) W TWENTY-SECOND AVE 200 N Geary. One-story frame private garage.
Owner—A. W. Deane, 360 23rd Ave., San Francisco.
Architect—None.
Contractor—C. C. Sayre, 541 26th Ave., San Francisco. $500

ALTERATIONS
(1575) 1276-78-80 ELLIS ST. General alterations and repairs to flats.
Owner—Mrs. S. Solomon, 1278 Ellis St., San Francisco.
Architect—None.
Contractor—O. W. Britt, 1257 Arguello Blvd., San Francisco. $3000

RESIDENCE
(1576) S ST. MARY'S AVE 256 W Marsilly. Two-story and basement frame residence.
Owner—Frank Lemey, 3842 Mission St., San Francisco.
Architect—Theo. W. Lenzen, 706 Humboldt Bank Bldg., San Francisco.
Day's work. $5000

SMOKEHOUSES
(1577) 971 MARKET ST. Construct smokehouses.
Owner—John Leighton (Leighton Co-Operative Market), 967 Market St., San Francisco.
Plans by Contractor.
Contractor—Frank Loehr, 971 Market St., San Francisco. $500

GARAGE
(1578) E TAYLOR 62-6 N Pacific. One story and basement concrete public garage.
Owner—Taylor Street Investment Co., 785 Market St., San Francisco.
Architect—Meyer & Johnson, 742 Market St., San Francisco.
Contractor—American Concrete Co., 785 Market St., San Francisco. $16,000

FLATS
(1579) SE CABRILLO & SIXTEENTH Ave. Two-story and basement frame (4) flats.
Owner—J. C. Kirby, 627 23rd Ave., San Francisco.
Architect—None.
Day's work. $10,000

ALTERATIONS
(1580) 1445 O'FARRELL. General alterations and repairs to dwlg.
Owner—J. Brophy, 3210 25th St., San Francisco.
Architect—None.
Contractor—Mager Bros., 1318 Valencia St., San Francisco. $4265

GARAGE
(1581) W TWENTY-SECOND AVE 200 N Geary. One-story frame private garage.
Owner—A. W. Deane, 360 23rd Ave., San Francisco.
Architect—None.
Contractor—C. C. Sayre, 541 26th Ave., San Francisco. $500

FLATS
(1582) NW CABRILLO & SIXTEENTH Ave. Two-story and basement frame (4) flats.
Owner—Costello Bros., 18 Ney St., San Francisco.
Architect—None.
Day's work. $8000

ALTERATIONS
(1583) 3861 NINETEENTH. Alter for private garage, rearrange sealrs, etc.
Owner—Mrs. E. D. Dewitt et al, Prem.
Plans by Contractor.
Contractor—G. M. Merritt, 3014 Geary St., San Francisco. $1500

RECORDED

ELECTRIC WORK, ETC.
(1584) SE PACIFIC AND DAVIS. Electric wiring and conduits for alterations to Class C building.
Owner—The Planters Nut & Chocolate Company.
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.
Contractor—Atlas Elec. Co., 185 Stevenson St., San Francisco.
Filed July 25, '21. Dated July 23, '21.
Completed and accepted..... 75%
Usual 35 days..... 25%
TOTAL COST, $1363
Bond, $1363. Surety, The Aetna Casualt & Surety Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported July 19, 1921 No. 1524.

CONCRETE BLDG.
(1585) N GEARY 164 E Van Ness Ave E 55xN 120. All work for two-story and basement frame reinforced concrete building.
Owner—Louis R. Lurie, Mills Bldg., San Francisco.
Architect—Bernard J. Joseph, Call Bldg., San Francisco.
Contractor — Barrett & Hilp, Sharon Bldg., San Francisco.
Filed July 25, '21. Dated July 18, '21.
Concrete foundations and basement walls up to 1st floor level $5000
Concrete up to 2nd floor level.. 5000
Reinforced concrete up to bottom of roof trusses..... 5000
Steel roof trusses set, roofing done and rough carpentry, plumbing and electric work done 7000
Plastering done on interior.... 4500
Exterior done, sash glazed and hung and inside finish done.. 5000
Completed and accepted..... 7500
Usual 35 days.....13000
TOTAL COST, $52,000
Bond, $26,000. Sureties, A. Lachman and J. T. Casey. Limit, forfeit, none. Plans and specifications filed.
NOTE—Permit reported July 20, 1921 No. 1549.

ALTERATIONS
(1586) 634 BRODERICK. Alter for private garage in basement.
Owner—Morris Hanroll, Premises.
Architect—None.
Day's work. $500

BAKE OVEN
(1587) NW TURK AND TAYLOR. Construct bake oven for cafeteria.
Owner—W. M. Wave, Senate Hotel, San Francisco.
Architect—None.
Day's work. $1600

ADDITION
(1588) 3757 WASHINGTON. Additions and alterations for residence.
Owner—John L. Deahl.
Architect—Bliss & Faville, 1001 Balboa Bldg., San Francisco.
Contractor—J. H. Johnson, 180 Jessie St., San Francisco. $15,000

RESIDENCE
(1589) W BORICA 6 S Urbano. Two-story and basement frame residence
Owner—John L. Hartford, 240 Lobos St., San Francisco.
Architect—None.
Day's work. $3000

RESIDENCE
(1590) E TWENTY-SIXTH AVE 236 N Balboa. One-story and basement frame residence.
Owner—Albert Massagli, 147 Parker Ave., San Francisco.
Plans by Owner.
Day's work. $3000

RECORDED

FRAME HOUSE
(1591) NW ACADEMY 71 NE Charles NE 24xNW 92 Ptn. Lots 9 to 12 Blk 17, Fairmount Tract. All work for one and one-half-story frame house
Owner—Alfred E. Hind, Colusa, Calif.
Architect—W. G. Hind 3885 Webster St., Oakland.
Contractor—Harry W. Hind, 2012 Channing Way, Berkeley.
Filed July 26, '21. Dated July 26, '21.
Rustic and roof boards on.....$750
Brown coated 750
Completed and accepted..... 750
Usual 35 days..... 750
TOTAL COST, $3000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported July 22, 1921, No. 1556.

FRAME HOUSE
(1592) NW ACADEMY 47 NE Charles NE 24xNW 92 Ptn. Lots 9 to 12 Blk 17, Fairmount Tract. All work for one and one-half-story frame house
Owner—Alfred E. Hind, Colusa, Calif.
Architect — W. G. Hind, 3885 Webster St., Oakland.
Contractor—Harry W. Hind, 2012 Channing Way, Berkeley.
Filed July 26, '21. Dated July 26 '21.
Rustic and roof boards on.....$700
Brown coated 700
Completed and accepted..... 700
Usual 35 days..... 700
TOTAL COST, $2800
Bond, none. Limit, 60 days. Forfeit, none. Specifications only filed.
NOTE—Permit reported July 22, 1921, No. 1556.

ALTERATIONS
(1593) 1445-49 O'FARRELL ST. All work for alterations and additions to frame building.
Owner—John T. Brophy.
Architect—None.
Contractor—Mager Bros., 1318 Valencia St., San Francisco.
Filed July 26, '21. Dated July 25, '21.
Roof boards on.....$1000
Plastering done 1500
Job completed 1765
TOTAL COST, $4265
Bond, limit, forfeit, none. Specifications only filed.

PAVING
(1594) FIFTEENTH ST., bet. Kansas and San Bruno Ave. All work for paving.
Owner—The Western Pacific Railroad Company.
Architect—None.
Contractor—City Construction Co.
Filed July 26, '21. Dated June 17, '21.
On completion 75%
36 days after..... 25%
TOTAL COST, 29½c per sq. ft.
Bond, $750. Surety, National Surety Co. Limit, 60 days. Forfeit, none. Plans only filed.

FLATS
(1595) NW CALIFORNIA & 18th Ave. Two-story & basement frame (4) flats.
Owner—Chas. A. Johnson, 1745 Lake St.
Architect—None.
Day's Work. $10,000

RESIDENCE
(1596) NE CAPITOL & Grafton Ave. One-story & basement frame residence.
Owner—McCarthy Co., 316 Bush St.
Architect—None.
Contractor — Jas. Arnott & Son, 4165 20th St. $3500

ALTERATIONS
(1597) 1428-38 ELLIS ST. Alterations for store.
Owner—S. Weinberg, 1434 Ellis St.
Architect—None.
Contractor—R. Milward, 3931 Geary Street $500

REPAIR
(1598) HAYES & FILLMORE Sts. Repair convent roof.
Owner — Sisters of the Holy Family, Hayes & Fillmore Sts.
Architect—None.
Contractor—P. J. Hurley, 146 Herman Street $500

RESIDENCE
(1599) W LAUREL 132 N California. One-story & basement frame residence.
Owner—Joe Ott, 415 Laurel St.
Architect—None.
Day's Work. $2500

RESIDENCE
(1600) N STAPLES 330 E Genessee. One-story & basement frame residence.
Owner—Moneta Investment Co., Pacific Bldg.
Architect—None.
Contractor — Jas. Arnott & Son, 4165 20th St. $3700

RESIDENCES
(1601) SE FLOOD & PHELAN AVES. and S Flood 25, 50 and 75 E Phelan Ave. Four one-story and basement frame residences.
Owner—Moneta Investment Co., Pacific Bldg., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 4165 Army St., San Francisco.
$3700 each

ADDITION
(1602) E LARKIN 90 S Pine. Two-story brick addition for light manufacturing plant.
OwnerE. —B. Cantrell, 1254 Larkin St., San Francisco.
Architect—None.
Day's work. $5000

ALTERATIONS
(1603) SE TURK AND DIVISADERO. Replace support for corner and repair show windows for store.
Owner—C. H. Kendrick, 1st National Bank Bldg., San Francisco.
Architect—None.
Contractor—C. D. Harrell, 1631 Golden Gate Ave., San Francisco. $500

ALTERATIONS
(1604) 2062-64 BUSH. General alterations and repairs for (2) flats.
Owner—S. Goldstein, 1200 Page St., San Francisco.
Architect—None.
Contractor—A. L. Thulin Co., 242 18th Ave., San Francisco. $3000

RESIDENCE
(1605) N CHENERY 25-6 E Surrey. One-story and basement frame residence.
Owner—E. P. Burman, 40 Martha Ave., San Francisco.
Architect—None.
Day's work. $3000

ALTERATIONS
(1606) 3501 JACKSON. Build brick chimney and install French windows in residence.
Owner—Mrs. Woolf, 3525 Jackson St., San Francisco.
Architect—None.
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco. $1500

RESIDENCE
(1607) 1443 LINCOLN WAY. Concrete work, etc., for residence.
Owner—Mrs. A. Wood, 1603 Laguna St., San Francisco.
Architect—None.
Contractor—M. E. Greene, 1233 45th Ave., San Francisco. $960

DWELLING
(1608) SE TWENTY-FIRST AVE AND Balboa. Two-story and basement frame dwelling.
Owner—Robert Smith, Care Contractor
Architect—None.
Contractor—C. S. Allred, 159 Liberty St. San Francisco. $6000

RECORDED

ALTERATIONS
(1609) 1457 GUERRERO. Alterations to residence.
Owner—Ellen M. Farley.
Architect—None.
Contractor—Wm. M. Reedy & Co., 267 Ellsworth St., San Francisco.
Filed July 28, '21. Dated July 27, '21.
Frame up $1250
Completed 1250
Usual 35 days..... 1000
TOTAL COST, $3500
Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
July 26, 1921—NW VICKSBURG and Jersey N 25-4xW 100. Edw E Sullivan to A. C. Hathcock..... .....July 26, 1921
July 26, 1921—S EIGHTEENTH AVE. or Revere Ave. 250 E Lane 25x100. Anna Hjelt to Wm. H. Grahn.... .....July 21, 1921
July 26, 1921—W MISSISSIPPI 175 N 18th N 25 x W 100. John Barrett to whom it may concern. July 26, 1921

July 26, 1921—N HENRY 122 W Noe W 26xN 115. B S Berry to whom it may concern.....July 25, 1921

(Correction in Date of Completion)

July 25, 1921—SW THIRD AVE & Balboa. Nicholas Koufos to J Frank Ball.....June 10, 1921

July 25, 1921—N FULTON 32-6 from int. Fulton and 18th Ave 50x120. H H Somers to Koenig Building Co.....July 17, 1921

July 25, 1921—W TWENTY-7TH Ave 195 S Geary S 25xW 120. Martin and Anna O'Connor to Gordon W Morris.....July 22, 1921

July 23, 1921—W THIRD AVE 100 N Hugo No. 1227-29 Third Ave. James F Long to whom it may concern .....June 10, 1921

July 22, 1921—E TWENTY-FIFTH Ave 340-4 N Balboa N 25xE 120. Gustave Moeller to Theodore G & Rollin E Meyer.....July 18, 1921

July 22, 1921—E TWENTY-FIFTH Ave 315-4 N Balboa N 25xE 120. Jonathan Anderson to Theodore G and Rollin E Meyer....July 18, 1921

July 22, 1921—S COMMERCIAL bet. Kearny and Grant Ave. No. 779 Commercial. Fong Yea Tong to Vukicevich & Bagge....July 15, 1921

July 22, 1921—W NINETEENTH AVE 100 N Fulton N 25xW 120. Michael Costello to whom it may concern. .....July 20, 1921

July 22, 1921—W SIXTEENTH AVE 32 N Cabrillo N 28xW 82. Michael and Lawrence Costello to whom it may concern.....July 20, 1921

July 21, 1921—W TWENTY-THIRD Ave 100 N California N 25xW 120. Chas O Clausen to whom it may concern.....July 21, 1921

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

July 27, 1921—SE PACIFIC & Davis E 137-6 x S 120. James Otis tr Est A. C. Whitcomb as to improvements on property.

July 26, 1921—NW MISSION & 22nd 112-9 m or l by 125 m or l No. 2592 Mission. John. & Pauline E. Sonningsen as to improvements on property.

July 25, 1921—W MISSION 60 N 21st N 25xW 90. Mary R Pescia as to improvements on property.....

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

July 21, 1921—N CABRILLO 30 W 47th Ave W 30xN 100. J H McCallum vs Harry J Frank....$433.21

July 20, 1921—N CABRILLO 30 W 47th Ave W 30xN 100. J H McCallum vs Harry J Frank.....$433.21

July 20, 1921—N CABRILLO 60 W 47th Ave W 30xN 100. J H McCallum vs Harry J Frank....$616.15

July 20, 1921—NW VICKSBURG & Jersey N 25-4xW 100. A J Vandersloot vs Edward F Sullivan....$78.50

July 20, 1921—E MONTGOMERY 67 S Bush S 20 E 77-6 S 67 E 60 N 154 W 60 S 67 W 77-6. C B Hopkins vs J D Hannah, J S Hannah and California Pacific Realty Co....$2000

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

July 27, 1921—E MONTGOMERY 67 S Bush S 20 E 77-6 S 67 E 60 N 154 W 160 S 67 W 77-6. C. B. Hopkins to J. D. & J. S. Hannah as Hannah Bros. .....

July 21, 1921—N SUTTER 167-3 W Van Ness Ave 57-6x120. J S Guerin & Co to Mendel Weisbleet.....

July 20, 1921—NE ELLIS AND FILLmore. Friedman Bros to W K Washburn, Mary M Crawford, A N Soloveff and Cost Pells.....

LEASES

SAN FRANCISCO COUNTY.

July 21, 1921—W MASON 42-6 N Turk N 20xW 75. Louis R Lurie to Jno C Suhr, 99 years, $559,450.

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt
2489	Traub	Thaxter	4000
2490	Eliel	Horton	2800
2491	Lucas	McCullough	3200
2492	Beauman	Gaston	5000
2493	Ryan	Owner	500
2494	Neves	Boga	2000
2495	Mower	Owner	3000
2496	Pfrang	Owner	5000
2497	Hollidge	Owner	4350
2498	Lindgren	Owner	500
2499	Neves	Boga	2200
2500	Fenton	Owner	11000
2501	Housken	Peterson	7116
2502	Ardenyi	Sommarstrom	7250
2503	Malley	Owner	5000
2504	Nicholson	Graff	12000
2505	Bkly. School Dist.	Okl.	——
2506	Same	Burdon	465
2507	Winsby	Peterson	1382
2508	Service	Doell	2090
2509	Same	Brown	1182
2510	Same	Mork	1929
2511	Schuessler	Owner	4000
2512	De Vries	Adams	7500
2513	Hughes	Laxton	600
2514	Hangwaler	Fleischer	750
2515	Kock	Owner	1000
2516	Philip	Begier	500
2517	Bauer	Whitford	4250
2518	Amario	Courtright	475
2519	Simmonds	Owner	3000
2520	Groves	Owner	12000
2521	Miller	Owner	2500
2522	Loo	Owner	400
2523	Emanuel	Owner	750
2524	Goranson	Owner	3500
2525	Haler	Owner	18000
2526	Diel	Sheridan	1000
2527	Elliott	Monroe	500
2528	Danby	Hendrickson	3300
2529	Morrison	Johanson	450
2530	Cracia	Benassini	400
2531	Castores	Johnson	400
2532	I. O. O. F.	Maganini	490
2533	Phillip	Wieben	5600
2534	Ellis	Owner	3500
2535	Roberts	Lewis	2000
2536	Boyson	Andresen	3000
2537	Prochard	Chapton	600
2538	Morse	Owner	4500
2539	Bkly. Bd. Ed.	Owner	4000
2540	Waye	Owner	5000
2541	Associated	Vogt	5000
2542	Associated	Owner	1000
2543	Matulovich	Corbett	496
2544	St. Stephens	Owner	4000
2545	Foothill	Burks	6000
2546	Chew	Owner	2800
2547	Loane	Owner	2000
2548	Norwood	Owner	3900
2549	Files	Van Ness	2000
2550	Mills	Owner	5000
2551	Alderton	Gastman	4000
2552	Sutton	Owner	500
2553	Dawson	Dawson	1250
2554	Sheffield	Hart	2250
2555	Loomis	Andresen	1280
2556	Ferguson	Tranmal	6394
2557	Brazier	Owner	2500
2558	Orthland	Brennan	4000
2559	Berry	Brennan	3500
2560	Porter	Home	7500
2561	Braunwardt	Metz	1350
2562	Anderson	Sommarstrom	3500
2563	Same	Same	2500
2564	Myrie	Wiser	400
2565	Webster	Ballard	450

PERMITS

DWELLING

(2489) 2607 KEITH AVE., Berkeley. Two-story 6-room dwelling.
Owner—H. L. Traub, 2404 Derby St., Berkeley.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $4000

SCHOOL

(2490) 2731 BANCROFT WAY, Berkeley. One-story school.
Owner—H. J. Eliel, 58 Moss Road, Bkly.
Architect—None.
Contractor—Jas. D. Horton, Bacon Bldg., Oakland. $2800

WAREHOUSE

(2491) 2204 THIRD ST., Berkeley. One-story concrete warehouse.
Owner—John Lucas & Son.
Architect—None.
Contractor—Henry McCullough & Son. $3200

DWELLING

(2492) S VINCENTE 351 W Colusa, Berkeley. One-story 5-room dwlg.
Owner—Kittie Beauman, 1609 Rose St., Berkeley.
Architect—None.
Contractor—C. G. Gaston, 2167 West St., Berkeley. $5000

ADDITION

(2493) 231 ATHOL AVE., Oakland. Addition.
Owner—Ann T. Ryan.
Architect—None.
Day's work. $500

DWELLING

(2494) W CHURCH 250 S Avenal, Oakland. One-story 4-room dwelling.
Owner—N. Neves, 812 Kennedy St., Oakland.
Architect—None.
Contractor—J. M. Boga, San Leandro. $2000

DWELLING

(2495) W EL CENTRO 480 S Park Blvd., Oakland. One-story four-room dwelling.
Owner—F. O. Mower, 1346 El Centro Ave., Oakland.
Architect—Reed & Corlett, Oakland Bk. of Savings Bldg., Oakland.
Day's work. $3000

DWELLING

(2496) NW FIFTY-SEVENTH AND Grove, Oakland. One-story 5-room dwelling.
Owner—C. J. Pfrang, 5448 Locksley Ave., Oakland.
Architect—None.
Day's work. $5000

DWELLING

(2497) E GLEN COURT 160 S Sequoia Ave., Oakland. One-story 6-room dwelling and garage.
Owner—G. H. Hollidge, 5926 Taft Ave., Oakland.
Architect—None.
Day's work. $4350

DWELLING

(2498) SE JUNO AND DIANA AVE., Oakland. One-story 3-room dwlg.
Owner—C. E. Lindgren, 1305 Linden St., Oakland.
Architect—None.
Day's work. $500

DWELLING

(2499) E SIXTY-FOURTH AVE 340 S Avenal, Oakland. One-story 5-room dwelling.
Owner—N. Neves, 812 Kennedy St., Oakland.

Architect—None.
Contractor—J. M. Boga, San Leandro. $2200

FLATS
(2500) W WALKER AVE 400 N Lake Park, Oakland. Two-story 12-room flats.
Owner—J. M. Fenton, 195 41st St., Okd.
Architect—None.
Day's work. $11,000

RECORDED

DWELLING
(2501) SW SIXTY-SEVENTH AND Arthur, Oakland. All work for one story frame dwelling.
Owner—George Housken, Berkeley.
Architect—None.
Contractor—Arthur H. Peterson, 432-33 1st National Bank Bldg., Okd.
Filed July 21, '21. Dated July 21, '21.
Frame up ..... ¼
Plastered ..... ¼
Completed and acceptel..... ¼
Usual 35 days..... ¼
TOTAL COST, $7116
Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

(2502 SW COR. GRAND AVE. AND Bonham Way, Oakland. Two-story 10-room flats.
Owner—Dr. Jos. Ardenyi, Bacon Bldg., Oakland.
Architect—None.
Contractor—Sommarstrom Bros. Co., 1941 24th Ave., Oakland. $7250

(2503) NW COR. PRINCE & ERIE Sts., Oakland. One-story 5-room dwelling.
Owner—F. T. Malley, 900 Lakeshore Ave., Oakland.
Architect—None.
Day's Work. $5000

(2504) W WESLEY AVE. 200 N Lakeshore, Oakland. Two-story 12-room apartments.
Owner—J. C. Nicholson, 355 12th St., Oakland.
Architect—None.
Contractor—Edwin C. Graff, 355 12th St., Oakland. $12,000

RECORDED

(2505 GRANT ST. bet. Rose St. and pt. 280 N, Berkeley. Grade, construct curb, gutters and oil macadam.
Owner—Berkeley School District of Alameda County.
Architect—None.
Contractor—Oakland Paving Co., 5000 Broadway, Oakland.
Filed July 23, '21. Dated July 19, '21.
Completion & Accept. .....All
TOTAL COST, $5.80 per frt. ft.
Bonds, $850, 500. Surety, R. D. Beals. Limit, 90 days. Forfeitfi none. Plans and specifications filed.

(2506) SW COR. KITTREDGE AND Milvia Sts., Berkeley. Painting for boiler building.
Owner—Berkeley High School District.
Architect—Wm. C. Hays, 1st Nat. Bank Bldg., Berkeley.
Contractor—Burdon & Kirkhouse.
Filed July 23, 1921. Dated June ——, 1st Sat. after 1st Tues. ea. mo...75%
35 days after comp. & accept...25%
TOTAL COST, $465
Bonds, $233 and $233. Surety, London & Lancashire Indemnity Co. Limit, 7 days. Forfeit, plans and specifications, none.

OFFICE BLDG.
(2507) PTN PLOT 40 Map Ranchos of Vicente and Domingo Peralta, Emeryville. All work except finish hardware for one-story frame office building.
Owner—E. Winsby, 1942 Webster St., Oakland.
Architect—Fred D. Voorhees, 1829 West St., Oakland.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.
Filed July 21, '21. Dated July 20, '21.
Completed and accepted....$1036.50
Usual 35 days..... 345.50
TOTAL COST, $1382.00
Bond, $700. Sureties, Oscar L. Zeis and E. Winsby. Limit, 21 days. Forfeit, none. Plans and specifications filed.

PLUMBING WORK
(2508) W ALICE 1058 N 13th St. N 156xW 150, Oakland. Plumbing work for garage.
Owner—Service Garage Co., Inc.
Architect—Sidney B. & Noble Newsom, Nevada Bank Bldg., San Francisco.
Contractor—Carl T. Doell, 467 21st St., Oakland.
Filed July 22, '21. Dated July 22, '21.
Monthly payments of..... 75%
36 days after..... 25%
TOTAL COST, $2090
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported May 7, 1921, No. 1604.

(2509) ROOFING ON ABOVE.
Contractor—H. C. Brown, 3417 San Pablo Ave., Oakland.
Filed July 22, '12. Dated July 16, '21.
Payments same as above.....
TOTAL COST, $1182
Bond, $591. Surety, Globe Indemnity Co. Limit, 15 days. Forfeit, none. Plans and specifications filed.

(2510) SHEET METAL WORK ON above.
Contractor—Walter Mork, Bristol St. & San Pablo Ave., Berkeley.
Filed July 22, '21. Dated July 16, '21.
Payments same as above.....
TOTAL COST, $1929
Bond, $1000. Surety, National Surety Co. Limit, 45 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2511) S CAPISTRANO 40 W Laurel Lane, Berkeley. One-story 6-room dwelling and garage.
Owner—H. H. Schuessler, 2436 Telegraph Ave., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(2512) FRESNO AND SONOMA AVES., Berkeley. Two-story 8-room dwlg. and garage.
Owner—G. E. DeVries, 1127 Fresno Ave., Berkeley.
Architect—B. E. Rimmel, Peralta Apts., Oakland.
Contractor—W. E. Adams, 4319 Gilbert St., Oakland. $7500

ALTERATIONS
(2513) 1610 MILVIA ST., Berkeley. Alterations and additions.
Owner—Samuel Hughes, Premises.
Architect—Geo. Rushforth, 2321 Blake St., Berkeley.
Contractor—Arthur Laxton. $600

REPAIRS
(2514) 1526 SCENIC AVE., Berkeley. Fire repairs.
Agent—P. Hangwaler.
Architect—None.
Contractor—C. M. Fleischer, 2032 Bancroft Way, Berkeley. $750

DWELLING
(2515) N BROADWAY TERRACE 100 W Leo Way, Oakland. One-story four-room dwelling.
Owner—Fred W. Kock, 1201 72nd Ave., Oakland.
Architect—None.
Day's work. $1000

ALTERATIONS
(2516) 9601 E-FOURTEENTH ST., Oakland. Alterations and repairs.
Owner—N. Philip, 1410 Fruitvale Ave., Oakland.
Architect—None.
Contractor—Harry H. Begler, 748 E-14th St., San Leandro. $500

DWELLING
(2517) E EDGEWOOD AVE 130 N El Centro Ave., Oakland. One-story 5-room dwelling.
Owner—Dr. Adolph Bauer, 496 41st St., Oakland.
Architect—None.
Contractor—W. T. Whitford, 421 42nd St., Oakland. $4250

ADDITION
(2518) 363 FIFTY-FIRST ST., Oakland. Addition.
Owner—J. Amario.
Architect—None.
Contractor—Tom Courtright, 345 51st St., Oakland. $475

DWELLING
(2519) E FRUITVALE AVE 488 N Whittle, Oakland. One-story five-room dwelling.
Owner—L. E. Simmonds, 3872 Fruitvale Ave., Oakland.
Architect—None.
Day's work. $3000

APARTMENTS
(2520) W GRAND AVE 80 S Borham Way, Oakland. Two-story 16-room apartments.
Owner—Merte B. Groves, 59 10th St., Oakland.
Architect—None.
Day's work. $12,000

DWELLING
(2521) N JULIUS 50 E 108th Ave., Oakland. One-story 5-room dwlg.
Owner—Martin M. Miller, 915 Linden St., Oakland.
Architet—None.
Day's work. $2500

ALTERATIONS
(2522) 4360 HOWE ST., Oakland. Alterations.
Owner—T. J. A. Vander Loo.
Architect—None.
Day's Work. $400

ADDITION
(2523) 451 MOSS AVE., Oakland. Addition.
Owner—M. T. Emanuel, premises.
Architect—None.
Day's Work. $750

DWELLINGS
(2524) W PERALTA AVE. 100 & 140 S Hopkins, Oakland. Two 1-story 6-room dwellings.
Owner — H. Goranson, 3476 Laguna Ave., Oakland.
Architect—None.
Day's Work. $3500

APARTMENTS
(2525) 750 RAND AVE., Oakland. Two-story 24-room apts.
Owner—H. W. Haler, 559 16th St., Okd.
Architect—None.
Day's Work. $18,000

ALTERATIONS
(2526) 475 SEVENTH ST., Oakland. Alterations.
Owner—A. E. Diel, 1314 Oak St., Okd.
Architect—None.
Contractor—Robt. E. Sheridan, 351 11th St., Okd. $1000

ALTERATIONS
(2527) 3276 ADELINE ST., Berkeley. Alterations.
Owner—Ralph I. Elliott, 3216 Ellis St., Berkeley.
Architect—None.
Contractor—J. W. Monroe, 4612 Grove St. Oakland. $500

DWELLING
(2528) 1300 EUCLID AVE., Berkeley.

One-story 6-room dwelling.
Owner—J. W. Danby.
Architect—None.
Contractor—A. Hendrickson, 755 60th St., Oakland. $3300

GARAGE
(2529) 1915 NAPA AVE., Berkeley. Concrete garage.
Owner—N. S. Morrison, Premises.
Architect—None.
Contractor—G. Johanson, 1357 Northside St., Berkeley. $450

ALTERATIONS
(2530) 332 CENTER ST., Oakland. Alterations.
Owner—G. S. Cracla.
Architect—None.
Contractor—Pio Benassini, 5662 Miles Ave., Oakland. $400

ALTERATIONS
(2531) 1114 E-SIXTEENTH ST., Oakland. Alterations.
Owner—A. Castores.
Architect—None.
Contractor—G. E. Johnson, 1103 Willow St., Oakland. $400

ALTERATIONS
(2532) NW ELEVENTH & FRANKLIN Sts., Oakland. Alterations.
Owner—Odd Fellows Hall Association.
Architect—None.
Contractor—J. F. Maganini, 603 36th St., Oakland. $490

ADDITION
(2533) 1410 FRUITVALE AVE., Oakland. Add apartments to store (1 story).
Owner—Phillip & Phillip.
Architect—None.
Contractor—Alex C. Wieben, 3602 Fruitvale Ave., Oakland. $5600

(2534) W NINTH AVE. 100 S E-28th St., Okd. One-story 5-room dwlg.
Owner—Norman Ellis, Syndicate Bldg., Oakland.
Architect—None.
Day's Work. $3500

DWELLING
(2535) SW COR THIRTY-NINTH Ave. & Kanning St., Okd. One-story 4-room dwelling & store.
Owner—Thos. Roberts, San Leandro.
Architect—None.
Contractor—G. H. Lewis, 2402 E-29th St., Oakland. $2000

DWELLING
(2536) 1536 FOUNTAIN, Alameda. One-story 6-room dwelling.
Owner—S. Boyson, 1006 College Ave., Alameda.
Architect—None.
Contractor — H. Andresen, 1229 Pearl St., Alameda. $3000

ADDITION
(2537) 2153 SANTA CLARA AVE., Alameda. Addition.
Owner—Alice Prochard, premises.
Architect—None.
Contractor—L. R. Chapton, 442 Haight Ave., Alameda. $600

DWELLING
(2538) W EUCLID 190 S Bay View Place, Bkly. Two-story 7-room dwelling.
Owner—T. O. Morse, 1319 Scenic Ave., Berkeley.
Architect—None.
Day's Work. $4500

REPAIRS
(2539) OXFORD near Eunice, Bkly. Repairs.
Owner—Berkeley Board of Education, 2133 Allston Way, Berkeley.
Architect—None.
Day's Work. $4000

DWELLING
(2540) S TACOMA 100 W The Alameda, Bkly. Two-story 6-room dwelling & garage.
Owner—F. L. Waye, 1734 Tacoma, Bkly.
Architect—None.
Day's Work. $5000

SERVICE STATION
(2541) BROADWAY & College, Okd. Steel service station.
Owner—Associated Oil Co., Sharon Bldg., S. F.
Architect—None.
Contractor—H. H. Vogt Co., 183 Stevenson St., S. F. $5000

COMFORT STATION
(2542) NW COR E-FOURTEENTH ST. & High St., Okd. One-story comfort station.
Owner—Associated Oil Co.
Architect—None.
Day's Work. $1000

ADDITION
(2543) 1721 E-FOURTEENTH ST., Okd. Addition.
Owner—J. J. Matulovich, premises.
Architect—None.
Contractor — Corbett & Bayliss, 1110 Franklin St., Oakland. $496

DWELLING
(2544) S E-THIRTY-EIGHTH ST. 90 W 13th Ave., Oakland. One-story 6-room dwelling.
Owner—St. Stephens Church.
Architect—None.
Day's Work. $4000

HALL
(2545) S FOOTHILL BLVD bet 55th Ave. & Seminary, Oakland. One-story entertainment hall.
Owner—Foothill Blvd. Congregation Church.
Architect—None.
Contractor—C. E. Burks, 4129 Randolph Ave., Oakland. $6000

DWELLING
(2546) FRUITVALE EXTENSION, Okd. One-story 5-room dwelling.
Owner—Louis A. Chew, 1346 E-24th St., Oakland.
Architect—None.
Day's Work. $2800

DWELLING
(2547) NW COR HOPKINS & McGee, Oakland. One-story 5-room dwlg.
Owner—Robt. J. Loane, 2528 Hopkins St., Oakland.
Architect—None.
Day's Work. $2000

DWELLING
(2548) S KALES 166 W Bdwy., Okd. One-story 5-room dwelling.
Owner—Norwood & Harris, 6466 Regent St., Oakland.
Architect—None.
Day's Work. $3900

DWELLING
(2549) E LINCOLN 500 N Hopkins, Oakland. One-story 4-room dwlg.
Owner—C. Files, 2264 Hopkins.
Architect—None.
Contractor—L. E. Van Ness, Box 432A R. F. D. No. 1. $2000

CLASSROOMS
(2550) MILLS COLLEGE, Oakland. Two-story frame classrooms.
Owner—Mills College.
Architect—None.
Day's Work. $5000

DWELLING
(2551) N MAJESTIC AVE. 200 W 62nd Ave., Oakland. Two-story 7-room dwelling.
Owner — N. M. Alderton, 1911 Addison St., Bkly.
Architect—None.
Contractor—H. H. Gastman, 1265 Euclid Ave., Bkly. $4000

ADDITION
(2552) 4176 QUIGLEY ST., Oakland. Addition.
Owner—J. F. Sutton.
Architect—None.
Day's Work. $500

ALTERATION
(2553) 394 61st St., Okd. Alterations.
Owner—Kate Dawson, premises.
Architect—None.
Contractor—J. B. Dawson, premises. $1250

DWELLING
(2554) W TWENTY-SEVENTH AVE. 150 N E-21st St., Okd. One-story 5-room dwelling.
Owner — E. Sheffield, 2107 27th Ave., Oakland.
Architect—None.
Contractor—J. G. Hart, 2419 E-20th St., Oakland. $2250

RECORDED

ADDITION
(2555) 1101 ASHMOUNT AVE., Oakland. Brick work, cement work exgrading for two-story addition to residence.
Owner—Dr. F. M. Loomis, 350 29th St., Oakland.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Contractor—H. C. Andresen, 1229 Pearl St., Alameda.
Filed July 27, '21. Dated July 6, '21.
Completed and accepted.....$960
Usual 35 days..... 320
TOTAL COST, $1280
Bond, none. Limit, without deley. Forfeit, $5. Plans and specifications, none.

APARTMENTS
(2556) PT. 25 S FROM STATION E on Panoramic Way E 15.14 to pt. beg. NE 135.9 SW 70.2 SW 41.1 SW 98.25 N to pt. beg., Berkeley. All work for garage and apartments.
Owner—Mary Van E Ferguson, 5 Panoramic Way, Berkeley.
Architect—Walter T. Steilberg, Flatiron Bldg., San Francisco.
Contractor — Enoch Tranmal, 483 Crescent St., Oakland.
Filed July 27, '21. Dated July 22, '21.
Alternate Fridays..... 75%
Usual 35 days..... 25%
TOTAL COST, $6394
Bond, none. Limit, 60 days after Aug. 1. Forfeit, $1. Plans and specifications filed.

DWELLING
(2557) N LINCOLN 125 W McGee, Berkeley. One-story 5-room dwlg.

Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(2558) 1828 MARIN AVE., Berkeley. One-story 7-room dwelling.
Owner—G. Orthland.
Architect—None.
Contractor—J. P. Brennan, 1519 Hearst Ave., Berkeley. $4000

DWELLING
(2559) 1621 TACOMA, Berkeley. One-story 5-room dwelling.
Owner—J. Berry.
Architect—None.
Contractor—J. P. Brennan, 1519 Hearst Ave., Berkeley. $3500

DWELLING
(2560) WILDWOOD, Piedmont. Two and one-half-story dwelling.
Owner—Nellie N. Porter, 524 E-17th St., Oakland.
Architect—W. C. Constable, 3306 School St., Berkeley.
Contractor—Home Realty Co., 1710 San Pablo Ave., Berkeley. $7500

BAKE OVEN
(2561) 4532 E-FOURTEENTH ST., Oakland. Brick bake oven.
Owner—W. J. Braunwardt, 2140 42nd Ave., Oakland.
Architect—None.
Contractor—Paul Metz, 855 44th St., Oakland. $1350

DWELLING
(2562) S FORTY-SECOND 350 E Telegraph Ave., Oakland. One-story 5-room dwelling.
Owner—A. P. Anderson, 16th and Adeline St., Oakland.
Architect—None.
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Piedmont. $3500

DWELLING
(2563) N RICH 350 E Telegraph Ave., Oakland. One-story 5-room dwlg.
Owner—A. P. Anderson, 16th and Adeline St., Oakland.
Architect—None.
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Piedmont. $3500

GARAGE
(2564) 909 GRAND AVE., Oakland. Garage.
Owner—A. Myrie.
Architect—None.
Contractor—Gordon Wiser, 1533 Virgilia St., Okd. $400

GARAGE
(2565) 576 VALLE VISTA AVE., Okd. Garage.
Owner—A. B. Webster.
Architect—None.
Contractor — J. C. Ballard, 2626 13th ginia St., Oakland. $400

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

July 26, 1921—SW HOPKINS ST. 34 SE Fruitvale Ave. SW 108 SE 39 NE 98 NW to pt of beginning, Okd. Sophia Rosen to A. H. Rose.....July 2, 1921

July 26, 1921 — LOT 2 Blk 6 Map Northbrae, Bkly. C. E. Carlson to whom it may concern..July 25, 1921

July 26, 1921 — E BELLEVUE AVE. 275 N Grand Ave. N 50 SE 125, Okd. G. W. Muther to whom it may concern .....July 26, 1921

July 26, 1921—LOT 107 Fourth Ave. Terrace Extension, Okd. H. L. Houck to whom it may concern... .....July 22, 1921

July 26, 1921—SE COR HIGH ST. & Fleming Ave., Okd. A. R. Southeimer to J. B. Petersen.July 14, 1921

July 23, 1921—LOT 5 BLK 5, Thousand Oaks Station Tract, ———. Raymond W Jeans to Wm Livingston & Son.....July 23, 1921

July 23, 1921—LOT 4 AND NW 17 Lot 5 Blk 775, Map Levy Tract, Oakland. W F Howlett to Jos Flittner .....July 21, 1921

July 21, 1921—LOT 14, Blk. A, Map Lakeshore Terrace, Oakland. Chas. W. and Viola C. Wilkie to Ben F. Kopf .....July 1, 1921

July 21, 1921—49 YORK DRIVE, Piedmont. Burritt & Shealey to whom it may concern .....July 19, 1921

July 21, 1921—W TELEGRAPH AVE. 45 S 32nd St. S 35 W 112, Oakland. Elsie R. Osgood to H. A. Moe .....July 16, 1921

July 22, 1921—N 47.50 LOT 23, Blk. 3, Map Northbrae. Hans P. Hansson to whom it may concern..July 21, '21

July 22, 1921—SE 55TH AVE., 143.50 SW Walnut St., SW 36-6 SE 110, Oakland. A. J. Snell to G. W. Sommers .....July 21, 1921

July 22, 1921—SE 5TH AVE. & SW E. 21ST ST., SW 40 SE 110, Oakland. Chester S. and Edna V. Nichols to whom it may concern ...July 21, 1921

July 22, 1921—N 50TH ST. 105 E Lawton Ave. E 35 N 91.32 W 35.02 S 92.65, Oakland. John Carson to whom it may concern...July 19, 1921

July 22, 1921—W 20 LOT 4 & E 20 Lot 3, Blk. 1, Thousand Oaks Station Tract. A. H. Pallen to whom it may concern .....July 1, 1921

July 22, 1921—E 35 LOT 5, Blk. 12, Map Melrose Heights, Oakland. Clarence W. Nunan to J. W. Monroe ..... June 6, 1921

Notice of Non-Responsibility

ALAMEDA COUNTY.

July 26, 1921—LOT 10 BLK 7 Map Northbrae, Berkeley. Bkly. Development Co. as to improvements on property.

July 20, 1921—W BROADWAY 140 S Birnie S 24 W 43-2⅝ N 24-9 E 49-8, Oakland. E A Bushell as to improvements on property.....

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

July 26, 1921—LOT 87 Map Oak Park Tract, Oakland. Chris Nelson Co. vs W. C. Marshall, B. O. Rasmussen and Albert Abrams $104.12

July 22, 1921—LOT 87, Map Oak Park Tract, Oakland. Smith Hardware Co. vs. Albert Abrams, W. C. Marshall and B. O. Rasmussen...$201.29

July 22, 1921—NE E. 27TH ST. 90 SE 21st Ave. SE 60 NE 87-6, Oakland. Maxwell Hardware Co. vs. M. T. and M. B. Holcomb and C. K. Nichols $159.52

July 22, 1921—LOT 87, Blk. 731-2200, Map Oak Park Tract, Oakland. L. J. Kruse vs. W. C. Marshall, B. O. Rasmussen, John Doe, Jane Doe, Black and White Co.....$494.15

July 20, 1921—W WOOD 26 N 12th N 26xW 100, Oakland. V L Booth vs Allen L and Hazel Hunt.....$235

HOMESTEADS

ALAMEDA COUNTY

July 26, 1921—LOT 13 BLK "D" Map Fourth Avenue Park, Oakland. A R Rowell $5000

July 26, 1921—PTN LOT 11 BLK 19 Map Northbrae, Bkly. Lea Moore $4500

July 25, 1921—LOT 1 and N 5 LOT 2, Map Shirk Tract, San Leandro. Mary Robbers (wf Wm. J.).....$4500

July 25, 1921—SW WEBB AVE 214-7½ NW Everett NW 33-4xSW 100, Alameda. Walter T Steinmetz $4000

July 25, 1921—E FIRST 365.50 S Spring S 50xE 200, Pleasanton.. E H and Eunice Gurley $1500

July 23, 1921—NE ½ LOT 50 Map Piedmont Manor, Piedmont. J E Bartlett $5000

July 21, 1921—SW COR. 56TH AND Market Sts. S 40 W 100, Oakland. A. F. Feller $5000

July 21, 1921—SE 86TH AVE. 315.70 NE G St. NE 33 SE 100, Oakland. Rosa Vereb (wf. Frank) ... $1000

July 21, 1921—W ORDWAY ST. 336.89 N Hopkins St. N 62 W 127.5, Berkeley. Wm. H. Nelson.....$1050

July 20, 1921—E CENTER 78.75 N 5th N 25.25xE 60, Oakland. Vincent Cumbelich $2000

BUILDING CONTRACTS

FRESNO COUNTY

ALTERATIONS
1525 TULARE ST., Fresno. Alter store
Owner—Wong Sing Sung, Premises.
Architect—None.
Day's work. $1500

REPAIRS
319 ATCHINSON ST., Fresno. Repair dwelling.
Owner—Fred Tripple, 912 I St., Fresno
Architect—None.
Day's work. $1200

REPAIRS
1533 SAN DIEGO ST., Fresno. Repair garage.
Owner—Henry Christian, Premises.
Architect—None.
Day's work. $500

DWELLING
ORANGE AND BUTLER STS., Fresno. Dwelling.
Owner—Leslie Burch, 347 Poplar St., Fresno.
Architect—None.
Day's work. $1000

DWELLING
1314 CALAVERAS ST., Fresno. Dwelling.
Owner—L. C. Streit, 1460 J St., Fresno.
Architect—None.
Day's Work. $3000

RESIDENCE
3420 KERCKHOFF ST., Fresno. Residence.
Owner—A. C. Woodstock, 3944 Platt St., Fresno.
Architect—None.
Day's Work. $6000

DWELLING
1801 BROADWAY, Fresno. Dwelling.
Owner—Herminghaus Estate.
Architect—None.
Contractor—V. V. Pitman. $75

ADDITIONS
3049 ILLINOIS ST., Fresno. Addition to dwelling.
Owner—Gertrude M. Cowan, 3049 Illinois St., Fresno.
Architect—None.
Day's Work. $100

DWELLING
401 TUOLUMNE ST., Fresno. Dwellin
Owner—Mike Bernard.
Architect—None.
Contractor—Jim Romano $35

WAREHOUSE
KERN & G STS., Fresno. Warehouse.
Owner—Woodward Co., 6th & K Sts., Fresno.
Architect—None.
Contractor—Fischer & McNulty, Fresno. $12,000

GARAGE
1040 DELPHIA ST., Fresno. Garage.
Owner—Mrs. W. L. Aubery, 1040 Delphia St., Fresno.
Architect—None.
Day's Work. $1600

DWELLING
3040 MADISON ST., Fresno. Dwelling
Owner — Elizabeth Mays, 1358 J St., Fresno.
Architect—None.
Day's Work. $900

REPAIR
3203 EL MONTE WAY, Fresno. Repair garage.
Owner—Mrs. Frank Helm, 3200 Ventura, Fresno.
Architect—None.
Day's Work. $1000

REPAIR
227 CLARK ST., Fresno. Repair dwlg.
Owner—P. S. Parigian, premises.
Architect—None.
Day's Work. $1500

REPAIR
2223 INYO ST., Fresno. Repairs, etc., in dwelling.
Owner—Laura Alexander.
Architect—None.
Day's Work. $1800

DWELLING
1102 WILSON ST., Fresno. Dwelling.
Owner—F. Hudson, 815 Wilson St., Fresno.
Architect—None.
Contractor — A. D. Wilkins, 2294 Ivy St., Fresno. $3000

DWELLING
360 SAN PABLO AVE., Fresno. Dwlg.
Owner — Fred Echert, 367 San Pablo Ave., Fresno.
Architect—None.
Day's Work. $3000

REPAIRS
1836 MARIPOSA ST., Fresno. Repair restaurant.
Owner—Geo. Pickford, 1837½ Van Ness Ave., Fresno.
Architect—None.
Day's work. $2000

MARKET BLDG.
1117 VAN NESS AVE., Fresno. Market building.
Owner—R. Hall, Fresno.
Architect—None.
Contractor—Trewhitt & Shields, Rowell Bldg., Fresno. $4000

LIENS FILED

FRESNO COUNTY.

Recorded Amount
July 26, 1921—LOTS 7, 8, BLK 19 Hazelwood, Fresno. F. H. Smith vs M. M. Manoogran & K. Yeghoian $65
July 23, 1921—S ½ OF NW ¼ of SE ¼ Sec 23 15-19, Fresno. W. E. Van Emon vs Jas Brown.....$280
July 22, 1921—LOTS 34 & 35, Blk. 4, Arlington Heights Addition, Fresno. L. Rosenberg vs. John T. Sherman $132
July 21, 1921—LOTS 49 to 52, Blk. 8, Van Ness Hts., Fresno. T. A. Osborne vs. Hazel Paul.....$87
July 20, 1921—LOT 1 N ½ LOT 2 BLK 3, Buena Vista Addition, Fresno. J Sargis vs A K Ounjuian.....$193
July 20, 1921—PTN LOT 15 in Sec. 5, 15-16, Fresno. E W Miller, $800; Howard Usleton, $621; Adolph Osmas, $608; Victor Hendrickson, $1000 and Henry Kelho, $565 vs R H Coey and California Dairy Products Co .....

BUILDING CONTRACTS

SACRAMENTO COUNTY

RESIDENCE
2930 SACRAMENTO BLVD., Sacramento One-story 5-room frame residence.
Owner—Chas. T. Ochler, 1509 L St., Sacramento.
Architect—None.
Contractor—J. R. Case, Box 1528 R. D. 2, Sacramento. $1800

DWELLING
1740 VALLEJO WAY, Sacramento. One story 4-room frame dwelling.
Owner—Brooke Realty Co., 807 J St., Sacramento.
Architect—None.
Contractor—J. W. Carl. $1500

DWELLING
3230 H ST., Sacramento. Two-story frame and stucco dwelling.
Owner—Albert D. Smith, Bryle Bldg., Sacramento.
Architect—None.
Day's work. $7000

DWELLING
3750 BIGLER WAY, Sacramento. One-story 4-room frame dwelling.
Owner—W. F. Tovelle, 2540 Bigler Way, Sacramento.
Architect—None.
Contractor—R. W. Saunders, 1814 49th St., Sacramento. $1800

DWELLING
2800 STOCKTON BLVD., Sacramento. Repair two-story frame dwelling.
Owner—M. F. Shelley, 1504 Western Ave., Sacramento.
Architect—None.
Day's work. $600

DWELLING
1045 41ST ST., Sacramento. Seven-room frame and stucco dwelling.
Owner—H. Parker, 2021 N St., Sacramento.
Architect—None.
Contractor—C. Vanina, 2822 M St., Sacramento. $5900

DWELLING
3724 FORTY-SEVENTH ST., Sacto. One-story 5-room frame house.
Owner—S. A. Boltz, 3133 U St., Sacto.
Architect—None.
Day's Work. $3000

TANKS
1203 I STREET, Sacramento. Install two 290-gal storage tanks.
Owner—Frances Nicolaus, Sacramento.
Architect—None.
Contractor—Associated Oil Co., 1019 I St., Sacramento. $1200

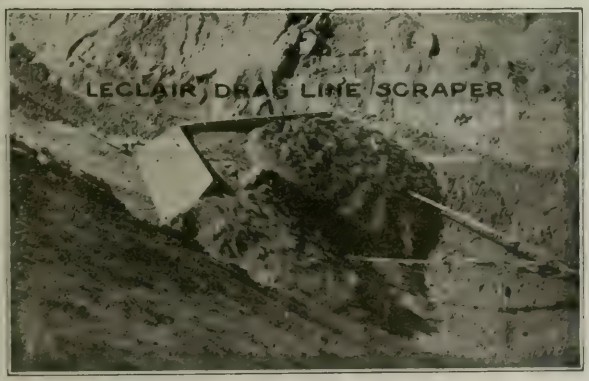
REPAIRS
918 SECOND ST., Sacramento. New roof & repairs to 1-story bldg.
Owner—Burke Estate, San Francisco.
Architect—None.
Contractor—G. Pendergast, 1311 22nd St., Sacramento. $1800

REMODEL
909 I STREET, Sacramento. General remodeling of interior.
Owner—D. Mason, 1731 P St., Sacto.
Architect—None.
Contractor—Hai Yuen, 909 I St., Sacramento. $500

DWELLINGS
3980 AND 3982 THIRD AVE and 3981-83 and 85 Fourth Ave., Sacramento. Five one-story 5-room dwellings.
Owner—Wm. T. Foster, 3400 4th Ave., Sacramento.
Architect—None.
Day's work. Cost, $1400 each

HOUSE
4524 NINTH AVE., Sacramento. Five-room house.
Owner—Joe Tresch, 3261 1st Ave., Sacramento.
Architect—None.
Day's work. $1400

ALTERATIONS
571 FORTIETH ST., Sacramento. Re-



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model and put concrete floor in basement.
Owner—L. E. Livingstone, Premises.
Architect—None.
Day's work. $500

HOUSE
4875 U ST., Sacramento. One-story 4-room house.
Owner—Annie F. Beere, 1858 48th St., Sacramento.
Architect—None.
Day's work. $1750

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
July 27, 1921—R. R. OIL STOREhouse in Sacramento (waterproofing and reinforcing floor). Southern Pacific Co to whom it may concern.....July 23, 1921

LIENS FILED

SACRAMENTO COUNTY.

Recorded Amount
July 25, 1921—W ½ Lot 2 P Q 25th 26th, Sacramento. J. A. Hendren & Ira Baxter vs Q. F. & Ida I. Coleman $44.14
July 20, 1921—LOTS 31 AND 32 BLK 29 Subdivision 9, North Sacramento. M J Gallichotte, $250; Fred Bodill, $187.80 vs Ellen Clark and Wm Lyons .....

BUILDING CONTRACTS

SANTA CLARA COUNTY

COTTAGE
315 HULL AVE., San Jose. Four-room cottage.
Owner—W. J. Scheler, Jr., 194 Reed St., San Jose.
Architect—None.
Day's Work. $900

ALTERATIONS
44 N. SEVENTH, San Jose. Alterations.
Owner—Mrs. Ella Cox, premises.
Architect—None.
Contractor—F. T. Edmans, 143 N. 8th St., San Jose. $900

FREIGHT DEPOT
TWENTY-SEVENTH near Santa Clara, San Jose. Freight depot.
Owner—Western Pacific Co.
Architect—W. P. Engineers.
Contractor—R. O. Summers, 17 N 1st St., San Jose. $5985

COTTAGE
S FIFTEENTH near William, San Jose. 6-room Cottage.
Owner—M. Corbett.
Architect—None.
Contractor—Z. O. Field, 130 S. Market St., San Jose. $4100

COTTAGE
389 PARK, San Jose. Five-room cottage
Owner—Wm. Shenks, 130 S. 2nd St.
Archt. & Contractor—Jas. Lemeux, 577 S. 6th St., San Jose. $2800

DWELLING
LOT 6 BLK 6 South Palo Alto, Palo Alto, Cal. All work for 1½-story dwelling house.
Owner—Rachel D. Field, 715 Bryant St., Palo Alto.
Architect—None.
Contractor—Chas. P. Baker, 360 Fulton St., Palo Alto.
Filed July 22, 1921; dated July 20, 1921.
Frame up ..... ¼
First coat plaster on..... ¼
Completed and accepted..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4355
Bond, $2500. Sureties, R. T. Heath & S. Pedgrift. Forfeit, $4.50 day. Limit, 75 working days from July 22, 1921. Plans and specifications filed.

COTTAGE
WASHINGTON AVE. near Minnesota Ave., San Jose. All work for five-room cottage.
Owner—Lee D. Dougan.
Architect—None.
Contractor—B. Ouimet, East and San Fernando Sts., San Jose.
Filed July 26, '21. Dated July 16, '21.
When plastering is started.....$1870
Building completed 935
Usual 35 days..... 935
TOTAL COST, $3740

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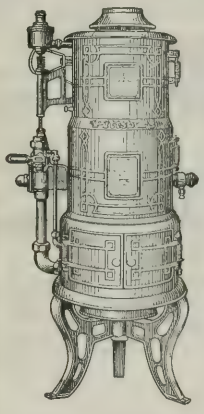
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Bond, $1870. Sureties, G. W. Fowler & Christina Anderson. Limit, 80 working days from date of agreement. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded Accepted
July 25, 1921—SAN JOSE. Stella C Garcia to whom it may concern.... .....July 20, 1921
July 21, 1921—LOT 13 BLK 4, Hanchett Residence Park, San Jose. J Earle McCombs to whom it may concern.....July 16, 1921
July 21, 1921—SAN JOSE. Henry C Wells to whom it may concern.... .....July 21, 1921

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
July 21, 1921—NR. STANFORD UNIversity. T A Alexander vs Anton Knapp and Thersia Knapp.....$291
July 19, 1921—SAN JOSE. H Moltzen vs V D Goodrich $186.97

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

BUILDING
LOT 9 BLK 5 E of Center St., Stockton. Building.
Owner—M. S. Arndt, Chas. E. Littlehale & R. B. Oullahan, 945 N. Commerce St., Stockton.
Architect—None.
Contractor—L. S. Peletz, 428 E. Fremont St., Stockton. $5175
Dated July 25; Filed July 26, 1921.

ALTERATIONS
110 SOUTH HUNTER ST., Stockton. Remodel lodging house.
Owner—S. S. Parson.
Architect—None.
Day's work. $800

ALTERATIONS
SOUTH GRANT ST., Stockton. Remodel residence and erect garage.
Owner—Geo. Zessimos, Stockton.
Architect—None.
Day's work. $875

RESIDENCE
SOUTH HARRISON ST., Stockton. Residence.
Owner—Hannah Smith.
Architect—None.
Day's work. $850

ALTERATIONS
13½ NORTH CENTER ST., Stockton. Remodel.
Owner—W. M. Fowler, 1635 N-Hunter St., Stockton.
Architect—None.
Day's work. $1068

ALTERATIONS
430 E-WEBER ST., Stockton. Remodel lodging house.
Owner—M. S. Arndt, R. B. Oullahan & Chas. E. Littlehale.
Architect—None.
Day's work. $5175

ALTERATIONS
CALIFORNIA & NORTH STS., Stockton. Remodel building.
Owner—Stockton Board of Education.
Architect—None.
Day's work. $3950

RESIDENCE
FIFTH & SUTTER STS., Stockton. Residence.
Owner—Alfred Nelson, Stockton.
Architect—None.
Day's Work. $2500

ADDITION
SOUTH CALIFORNIA, Stockton. Addition to storage shed.
Owner—F. E. Ferrell Co., 305 S. California, Stockton.
Architect—None.
Day's Work. $4000

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
July 23, 1921—LOT 16 & 17 BLK 5 Mineral Baths Tract, Stockton. Jas. Arthur Condy vs A. B. Willes...$207

BUILDING CONTRACTS

SAN MATEO COUNTY

PLUMBING WORK
MAIN CO. RD. & PENINSULA AVE., San Mateo. Rough and finished plumbing for 2-story and basement frame school building.
Owner—San Mateo Grammar School Dist.
Architect—None.
Contractor—Fredk. W. Snook Co., 596 Clay St., San Francisco.
Filed July 21, '21. Dated July 20, '21.
Roughed in .....½
Completed .....Balance
.. TOTAL COST, $2356
Bond, $1200. Sureties, Henry R. Park and Edward Ruedy. Forfeit, none. Plans and specifications filed.

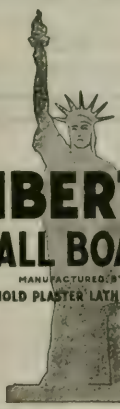
ROADWAY
COMMENCING EASTERLY LINE American Barium Co. property to a point 1500 ft. distant nr easterly line Wildberg Metal Refining Co. property, So. S. F. Construct 1500 lin. ft. roadway 18 ft. wide, furnish labor and tools.
Owner—South San Francisco Land & Improvement Co., South San Francisco.
Architect—None.
Contractor—J. P. Holland, 540 Brannan St., San Francisco.
Filed July 27, '21. Dated July 12, '21.
Upon completion 75%
Usual 35 days..... 25%
TOTAL COST, $4600
Bond, $2300. Surety, Fidelity & Deposit Co. of Maryland. Limit, 60 days. Forfeit, none. Plans and specifications filed.

NOTES FROM BRAZIL

[Commercial Attache W. L. Schurz, Rio de Janeiro.]

Bids for Public Works in Rio Grande do Sul.

The Government of Rio Grande do Sul has just authorized the construction of transportation, light, sewer, and water services for Porto Alegro, the capital of the State. A period of 90 days is allowed during which proposals may be presented.



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Twenty-first Year, No. 32

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

ssued Every Saturday | SAN FRANCISCO, CAL., AUGUST 6, 1921 | Twenty-first Year, No. 32

Building & Engineering News

No. 560 Mission Street,
San Francisco, Calif.

MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Official Paper of Vallejo Builders' Exchange

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Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

LUMBER PRICE DECLINE IS GREAT

The price of lumber has decreased approximately 65 per cent in the past year, according to R. U. Vinneage, president of the West Coast Lumbermen's Assn.

The cost of operating the mills, on the other hand, has decreased but 35 per cent, he declared.

The bad condition of the lumber industry at present, he claims, is due to the fact that despite the decreased prices there has been no marked increase in lumber sales. The mills can only operate at a profit if they are able to handle a large output.

Vinneage declared that before a real revival of the lumber industry comes a lower wage scale in the building trades must be brought about, and lower freight rates to Eastern markets must be obtained.

JULY BUILDING TOTALS SHOW HUGE DECREASE

Building activities in San Francisco for the month of July show a decided decrease as compared with the activities of July, 1920. During the past month the city building bureau issued 446 permits representing construction aggregating $1,000,240, while for the same period in 1920 364 permits were granted with a valuation of $3,723,623. No public construction is included in the July report, all being of a private nature. Following is a compilation of the activities for July:

Class	Permits	Cost
"A"	1	$ 1,400
"B"	1	37,500
"C"	11	311,900
Frames	81	405,275
Alterations	352	244,165
Total	446	$1,000,240

California Men Will Direct Victory Highway Project

California has been signally honored in the organization of the Victory Highway Assn. which will direct the improvement of the Victory Highway, the new transcontinental route stretching from San Francisco to New York and which will stand as a monument to those who fought and gave their lives in the World War.

Milton H. Esberg, chairman of the Transcontinental Highway Committee of the California State Automobile Assn. has been named vice-president and a director of the association. Frank B. McKevitt, the California State Automobile Assn. director from Sacramento, has been named a director and Wm. T. Sesnon, a San Francisco director of the Automobile Club, has been asked to serve with President Harding and Luther Burbank as one of twenty honorary advisors.

Ben Blow, for many years manager of the Good Roads Bureau of the California State Automobile Assn., will leave the Automobile Club to become manager of the Victory Highway Assn.

The Victory Highway Assn. has been incorporated under the laws of Kansas for the purpose of building, road signing and marking with appropriate monuments the new transcontinental route which will assure Northern California of its just share of the millions annually spent by motoring tourists in California.

The plans involve the planting of trees along the route and the erection of terminal statues 12 ft. high of soldiers in full trench uniform are proposed to mark the eastern and western ends of the highway. They will be cast in bronze.

In scenic interest the Victory Highway surpasses any other proposed transcontinental road. The stretch between Denver and Salt Lake City particularly forms one of the most interesting bits of road in the United States, covering the wonderful mountain drive leading out of Denver via Golden passing the mountain tomb of Buffalo Bill, running within a stone's throw of Estes Park and thence passing that great prehistoric graveyard where one of the large eastern universities has a crew of men constantly at work excavating and assembling the bones of prehistoric monsters. The road passing through the Wasatah Mountains to Salt Lake is also dotted with scenic attractions, while the Wendover cutoff from Salt Lake City to Wells is the most unique stretch of road in the world, constructed as it is from almost solid salt over a deposit of unknown depth.

Blow, who leaves to take charge of the new association has been with the Automobile Club for 5 years, during which time he has successfully promoted and handled 11 county highway bond issues. He is a San Francisco man and is well known throughout the West as a good roads authority.

SMALL HOUSES MADE OF SHEET STEEL

Sheet steel houses are the latest thing in building in the East. A large number of these are being erected on Long Island by the International Housing Corporation, of New York City.

Frames of the houses are constructed of lumber while the sides and roofs are covered with interlocking steel strips, galvanized and painted. Roof sheets are bolted to the eaves and ridges, which are also of sheet steel, on all four sides are fastened with hangers and tie rods from the ridges to cross T-bars so that the roof and four walls form a rigid structure.

Interior walls and ceilings are covered with insulated wall board, better known as plaster board. All houses are one story, the largest being 20x36 ft. outside dimensions.

EXPERIMENTS WITH COLORED WALL PLASTERS

Recent experiments with colored wall plasters are described in the Technologic Paper of the Bureau of Standards, No. 181. It is sometimes desirable from an architectural standpoint to get a plaster to fit into the color scheme of the interior. Several attempts were made to get colored plaster, but the method did not prove satisfactory. A new principle was suggested a few years ago. An aggregate called "gypsum wood-fibered plaster" is used. Sand is not used with this aggregate. The wood fiber is dyed the required color with aniline dyes. The general procedure with the necessary details are described in the paper, copy of which can be obtained from the Superintendent of Documents, Washington, D. C., for 5 cents.

AN AID TO FOREIGN TRADE EXTENSION

The Royal Forwarding Co., Inc., 24 Stone St., New York, are in a position to supply exporters with lists of merchants in Reval and Riga, who would be willing to dispose of American products in Esthonia and Latvia, respectively. Doubtless such a list should prove of immense value in the development of our trade with the new Baltic countries. The names may be had on application to the above address.

The Observer

Members of the Contractors' Association of Northern California were practically unanimous in voicing their sentiments in favor of the American shop plan at an informal dinner and jollification meeting held July 27. Executive action in favor of the American plan was voted down by the membership, the majority of whom, however, indorsed it individually. W. A. Bechtel, president of the association, presided at the dinner. Among those in attendance were R. J. Blanco, Napa; H. J. Kaiser, president of a Seattle paving company; E. C. Spears, A. J. Cleary, C. H. Gray, J. E. Johnston, Stockton; E. J. Lindgren, Paul Fay and William Hanrahan.

The International Western Electric Co. announces an important change in its foreign organization. E. C. Richardson, who has been manager of the Western Electric Compania Italiana at Rome and Milan since 1910, and who also saw foreign trade service at Antwerp, has been transferred to Peking, China, as general manager of the China Electric Co., the far eastern subsidiary of the American electrical concern. He succeeds C. H. Minor.

A final settlement of the differences between the building crafts and contractors has been effected in Sacramento with the acceptance by the workers of a cut in wages of 7½ per cent on all craftsmen, to become effective August 8.

Teams at a reduction of $2 a day and motor trucks at a reduction of $5 a day have been offered the San Francisco Board of Public Works by the Teamsters' Assn. In making the offer the association explained that despite the lower terms it will continue to pay the union scale.

R. F. Angulo, tile manufacturer of Santa Barbara, is contemplating the erection of a plant in the vicinity of Monterey where he has discovered clays suitable for the manufacture of "Mission Tile."

Master Plumbers' Association of Martinez has accepted a 7½ per cent wage reduction. For some time plumbers in that section have been receiving $10 a day.

W. G. Hamilton, representing the Holmes-Eureka Lumber Co., redwood manufacturers, has opened an office in the Central Bldg., Los Angeles.

The California Car Co. has leased the Santa Fe Foundry plant of the Enterprise Foundry Co. at Richmond, and will operate in these quarters until engineers complete plans for an immense factory. The factory will be constructed on the unit system.

The city of Venice, Calif., is to have a planning commissioner instead of a commission. H. F. Winebrenner, art instructor in the Venice high school, has been appointed to the post. He will devote his entire summer vacation to the duties and such time during the school term as he can spare.

A reduction of one dollar a day in the wages of all building mechanics in Bakersfield will be placed in effect on September 1st, according to an announcement by the Press Committee of the Builders' Exchange of that city. Secretary J. C. Harter of the Kern County Building Trades Council, with which members of the building crafts are affiliated, said the unions could not make any statement regarding the proposed cut until they had received official notice of the employers' action.

The appointment of T. E. Stanton as chief assistant highway engineer was announced yesterday by A. B. Fletcher, director of the Department of Public Works. Stanton has been connected with the department for several years.

W. S. Caruthers, who has been with the Sacramento County Highway Commission for more than a year, has also resumed his connection with the State organization.

Paul E. Denivelle, Inc., 520 7th St., San Francisco, has been awarded a contract by Archts. Doyle & Merriam of Seattle to furnish artificial and natural "Travertine" for the proposed new home of the Seattle Natl. Bank in that city. The contract price is in the neighborhood of $35,000.

Edgar O. Edgerton of San Francisco, formerly chairman of the State Railroad Commission, has been named a member of the transportation and communication department of the Chamber of Commerce of the United States. This department, which was organized a short time ago, will make a study of highway problems, financial resources, consolidation and efficiency of railroads and the problem of securing self-supporting electric service. Air transportation, marine transportation, terminal ports and waterways will also be considered. With J. Rowland Bibbins, a Chicago engineer at its head the transportation department of the chamber was only recently organized.

Asserting he was compelled by a flood to discontinue work on a dam he was constructing for the Snow Mountain Water & Power Co. in the Eel River, W. A. Kraner, San Francisco contractor, in a cross complaint, asks judgment against the corporation for $831,538.02. Kraner also asks for the dissolution of an injunction secured by the company on June 20 last, which forbade him to remove any of his tools from the dam site pending trial of the suit brought by the company in which it, is alleged Kraner abandoned the construction work and in which the power company demands the use of his implements to continue the work.

OAKLAND BUILDING PERMITS FO JULY, 1921

Classification of Buildings	No. of Permits	Cost
1-story dwellings....	102	$ 262,38
1-st dwlgs. & stores.	1	2,00
1½-story dwellings..	5	26,34
2-story dwellings....	8	38,30
2-st dwlgs & stores..	1	8,75
2-story flats.....	7	68,45
2-story apartments..	8	131,00
3-story apartments..	2	40,00
1-st frm school bldg.	4	184,40
1-st. portable schools	11	18,70
1-st gymn auditorium	1	32,30
2-st classroom bldg..	1	5,00
1-story hall bldg.....	1	6,00
1-st stores.....	3	3,65
1-st green house.....	1	1,00
1-story studio.....	1	60
1-st comfort station..	2	1,50
1-st kitchen building	1	25
1-st factory bldg....	3	81,40
1-st shop building...	2	65
1-st conc. shop bldg..	1	50,31
1-st Conc. garage....	2	50
1-st conc. addition...	1	12,86
1-st tile garage.....	1	1,00
Tile addition	1	50
Brick addition.....	1	49
1-st brk service stn..	1	2,00
1-st brick dwelling...	1	3,75
1-st steel foundry...	1	5,00
1-st steel service stn.	1	5,00
Garages & sheds....	122	22,56
Tank frames.....	1	10
Electric signs	13	3,36
Additions	76	42,33
Alterations & repairs	104	100,09
Totals	492	$1,162,62
SUMMARY		
New construction....	388	$1,062,53
Alterations & repairs	104	100,09
Totals	492	$1,162,62

CALIFORNIA WEEKLY BANK CLEARINGS

Bank clearings, as reported to th California Development Board by th various clearing house cities for th week ending July 28th, 1921, showin the amount of increase or decrea from the amount reported the co responding week last year:

		Decrea
San Francisco.	$112,300,000	$29,000,00
Los Angeles...	71,831,000	805,00
Oakland	9,063,499	1,101,57
Sacramento ...	4,669,013	777,67
San Diego.....	2,152,413	323,27
Fresno	2,829,183	158,88
San Jose.....	1,489,769	491,54
Pasadena	2,619,924	*985,04
Bakersfield, Not reported in time.		
Long Beach....	3,136,365	*788,51
Santa Rosa....	393,102	*49,47
Whittier	463,954	.....
Modesto	538,974	326,49
San Bernardino, Not reported in time		

*Increase.

I. P. FRINK, INC. OPEN SAN FRANCISCO OFFICE

The I. P. Frink, Inc., have opened a office at 77 O'Farrell Street where the will handle a complete line of r flectors, also "Polaralite Signs" an "Linolite Lamps."

The United States produces mo copper than all the other nations com bined and more iron than any oth nation in the world .

Building News Section

APARTMENT HOUSES

Figures Being Taken for Brick Work.
BUNGALOW APTS. Cost, $16,000
ALAMEDA, Alameda Co., Cal. NE Union and Alameda Ave.
Three one-story frame and brick veneer bungalow apartments (2 3-room apts. in each building).
Owner—Max Claussenius, 1813 Alameda Ave., Alameda.
Architects—Sidney B. & Noble Newsom, Nevada Bank Bldg., San Francisco.
Figures will be taken shortly for the plastering.

Contract Awarded.
APARTMENTS Cost, $40,000
LONG BEACH, Los Angeles Co., Cal. No. 29 Surfline Place.
Two-story and basement frame and plaster apartment house (60 rooms, divided into 19 apts.)
Owner—C. D. Allen.
Architect—Not Given.
Contractor—H. J. Ross, 627 E-4th St., Long Beach.

Segregated Figures Being Taken.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal. Seventh Avenue and E-19th St.
Alter two-story frame residence into 4 apartments.
Owner—E. H. Kimball.
Architects—Miller & Warnecke, Perry Bldg., Oakland.

Work to Start Monday.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal. No. 663 Eleventh Street.
Alter two-story frame residence into 6 apartments.
Owner—Mrs. Josephine White.
Architects—Miller & Warnecke, Perry Bldg., Oakland.
Work will be done by days labor and sub-contracts.

Contract Awarded.
APARTMENTS Cost, $135,000
SAN FRANCISCO. NW Mason & Ewer Place.
Three-story & basement frame (6) apts.
Owner—Mrs. Clarence B. Feasey, 1311 Mason St.
Architect—E. Musson Sharpe, 58 Foote Ave.
Contractor—A. H. Feasey, 1311 Mason Street.

SAN FRANCISCO. — S. Rouda, 40 Powell St., has purchased a lot on the south side of Geary St. bet. Hyde and Leavenworth Sts. and plans to erect an apartment house building.

Brick Work Contract Awarded.
BUNGALOW APTS. Cost, $16,000
ALAMEDA, Alameda Co., Cal. NE Union and Alameda Ave.
Three one-story frame & brick veneer bungalow apts. (2 3-room apts. in each bldg.)
Owner—Max Claussenius, 1813 Alameda Ave., Alameda.
Architects—Sidney B. & Noble Newsom, Nevada Bank Bldg., San Francisco
Townsend & Martin Back, 3825 Allendale, Oakland, have been awarded a contract for the brick work at $3050.

Contract Awarded.
APARTMENTS Cost, $25,000
SAN FRANCISCO. N Turk 68-9 W Jones
Three-story & basement brick store & apt. bldg. (2 apts.)
Owner—Emma Dixon, 82 Turk St.
Architect—Not given.
Contractor—Monson Bros., 251 Kearny

Owner Taking Sub-Figures.
APARTMENTS Cost, $25,000
SAN FRANCISCO. S Pacific 189 E Baker.
Three-story & basement frame (5) apts.
Owner—Jos. L. Cahen & Jas. Oppenheim, Chancellor Hotel.
Architect—Sylvain Schnaittacher, 233 Post St.

Contract Awarded.
APARTMENTS Cost, $18,000
SAN FRANCISCO. NW 14th Ave. and Fulton St.
Two-story & basement frame (4) apts.
Owner—Mrs. H. Laurence.
Architect—Earle B. Bertz, 68 Post St.
Contractor—Allen & Co., 168 Sutter St.

BANKS

SEATTLE, Wash.—Paul E. Denivelle, Inc., 520 7th St., San Francisco, awarded contract by Archts. Doyle & Merriam, Seattle Natl. Bank Bldg., for furnishing artificial and natural "Travertine" in the proposed new home of the Seattle Natl. Bank Bldg. Contract price is in the neighborhood of $35,000.

Figures to be Taken the End of Next Week.
BANK Cost, $15,000
LAKEPORT, Lake Co., Cal.
One-story & basement reinforced concrete bank.
Owner—Bank of Lake.
Architect—Morrow & Garren, Chronicle Bldg., S. F.
Vaults, safe deposit boxes, burglar alarm and time clock systems, plate glass front, marble or tile vestibule.

BONDS

MONROVIA, Los Angeles Co., Cal.—The City Trustees have agreed to call a special election for voting bonds in the sum of $20,000 for the construction of a municipal swimming pool.

POMONA, Los Angeles Co., Cal. — The city officials are contemplating a bond election to vote funds to increase the sewer facilities of the city.

SAN JOSE, Santa Clara Co., Cal.—Supervisors sell $25,000 bond issue of San Ysidro School District; no bids received for $7,000 issue of Willow Glen District and the clerk instructed to re-advertise. Proceeds of sale in both cases to finance school improvements.

STOCKTON, San Joaquin Co., Cal.—Supervisors sell $20,000 bond issue of Linden School District; $7,500 issue of Greenwood District; $13,000 issue of Everett District; $85,000 issue of Escalon High School District and $15,000 issue of Atlanta District. Proceeds of the sale, in each instance, will finance school improvements.

SAN MATEO, San Mateo Co., Cal.—An election will be held on September 2nd by the San Mateo Union High School District to vote bonds to the amount of $480,000 for the purchase of property and for the erection of a high school building. The Carolan Tract in San Mateo will be purchased. The district includes Burlingame, San Mateo, Hillsborough, Millbrae and Beresford.

SAN FRANCISCO.—The Construction Co. of North America, having contract for constructing tunnels on Hetch Hetchy project, purchases $13,306,600 worth of project 4½ per cent bonds.

The sale will give the city sufficient funds to complete the 19 miles of tunnels which constitute the mountain division of the undertaking, as well as to complete the contract held by the Construction Co. of North America. The purchase sum, it is estimated, will provide for two year's work.

MADERA, Madera Co., Cal.—City Trustees sell $86,000 and $42,000 bond issues for sewer and water system extensions respectively. Frank Nikirk, City Engineer.

MADERA, Madera Co., Cal. — City Trustees sell $20,000 bond issue to finance construction of a combined city hall and fire house; plans for which are being prepared by Archts. Swartz & Ryland, Rowell Bldg., Fresno

SANTA CRUZ, Santa Cruz Co., Cal.—County Sueprvisors sell $46,000 bond issue of Soquel Union School District; proceeds of sale to finance school improvements. W. H. Weeks, 75 Post St., San Francisco, is preparing plans which call for a 1-story frame structure.

GRASS VALLEY, Nevada Co., Cal.—Until August 15, bids will be received by the County Supervisors, George Coughlan, Clerk, for the purchase of the $140,000 bond issue of the Grass Valley High School District, proceeds of sale to finance construction of a new school building, plans for which are being prepared by Architect William Mooser, Nevada Bank Bldg., San Francisco

CHURCHES

LONG BEACH, Los Angeles Co., Cal. —The Trustees of Grace M. E. Church have recommended the purchase of two lots adjoining the church parsonage at 2325 Eliot St., Long Beach, upon which a $250,000 church building is being contemplated for construction. Dr. J. Wesley Nelly, pastor.

Commissioned to Prepare Plans.
CHURCH Cost, $150,000
GLENDALE, Los Angeles Co., Cal.
Brick church 150x150.
Owner—Glendale Presbyterian Church.
Architect — Robt. H. Orr, 1301 Van Nuys Bldg., L. A.

FACTORIES & WAREHOUSES

Plans Completed.
WAREHOUSE Cost, $20,000
FRESNO, Fresno Co., Cal. On James Ranch.
One-story brick and concrete warehouse & offices 130x150.
Owner — San Joaquin Light & Power Corp., Fresno.
Architect — Engineering Dept. of the owners.

Plans Being Prepared.
FACTORY Cost, $250,000
OAKLAND, Alameda.
One-story reinforced concrete plant 450x150.
Owner—Tunison Motor Company, C. A. Williams, Mgr., Thayer Bldg., Okd.
Architect—Withheld for present.
Construction will be started within 90 days.

Contract Awarded.
LOFT BLDG. Cost, $500,000
LOS ANGELES. NW 7th & Wall Sts.
Twelve-story & basement Class A loft bldg. 69x200.
Owner—Klein-Norton Co.
Architect—Train & Williams, Western Mutual Life Bldg., L. A.
Contractor & Engineers—U. S. Const. Co., I. W. Hellman Bldg., L. A.

Ready for Figures Friday.
LOFT Cost, $43,000
OAKLAND, Cal. Franklin St. opp. 17th
Two-story reinforced concrete loft bldg
Owner—Withheld.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.
NOTE—The plans have been revised for a larger bldg.

Plans Being Prepared.
FACTORY Cost, $100,000
OAKLAND, Alameda Co., Cal. Location to be selected in a few days.
One-story reinforced concrete motor factory 60x450.
Owner — Severin Motor Co., Oakland, formerly of Kansas City.
Architect — Maury I. Diggs, Easton Bldg., Oakland.

Contract Awarded.
ADDITION Cost, $60,000
LOS ANGELES. Thirty-fifth St. and Grand Avenue.
Four story Class A addition to warehouse.
Owner—Lyon, McKinney & Smith.
Architect — Harold Cross, Merchants National Bank Bldg., Los Angeles.
Contractor—C. L. Peck, 721 H. W. Hellman Bldg., Los Angeles.

Contract Awarded.
WAREHOUSE Cost, $48,500
LOS ANGELES. No. 1600 E-Sixth St.
One-story brick warehouse, 100x400.
Owner—L. A. & Salt Lake R. R. Co.
Architect—Not Given.
Contractor—Lockwood & Gauger, Hibernian Bldg., Los Angeles.

Contract Awarded.
FACTORY Cost, $12,000
LODI, San Joaquin Co., Cal.
One-story hollow tile & concrete packing plant 50x125.
Owner—Earle Fruit Co.
Architect—Davis-Heller-Pearce Co., Delta Bldg., Stockton.

FLATS

Contract Awarded.
FLATS Cost, $20,690
SACRAMENTO. 3917 J St.
Two-story frame flat bldg.
Owner—A. Waller, 411 30th St., Sacto.
Architect—Not given.
Contractor—A. W. Norris, 3012 G St., Sacramento.

GARAGES

Contract Awarded.
GARAGE Cost, $5062
OAKLAND, Cal. 30th St. near Telegraph Ave.
One-story reinforced concrete private garage 40x72 (glazed tile facing).
Owner — C. H. J. Truman Co., 2935 Telegraph Ave., Oakland.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—W. G. McGinty & Son, 2506 Keith, Berkeley.

Plans to be Prepared.
GARAGE Cost, $——
PACIFIC GROVE, Monterey Co., Cal. Laurel and Forest Avenues.
One-story concrete garage building, 90x120.
Owner — L. F. Bambauer and B. M. Klink, Pacific Grove.
Architect & Contractor—W. P. Sweeney 410 17th St., Pacific Grove.
Construction will not be started for about three months.

GOVERNMENT WORK AND SUPPLIES

SAN DIEGO, Cal.—Hollister-Whitney Co., 211 N. 2nd St., Quincy, Ill., were awarded the contract at $22,653 for installing electric elevators in the quartermaster's storehouse at San Diego.

Newbery Elec. Co., 724 S. Olive St., L. A., was awarded a contract at $2695 for electric breakdown connections and temporary transformer at naval base in San Diego.

The Western Automatic Sprinkler Co. submitted the lowest bid at $18,380 for an automatic sprinkler at the naval base in San Diego. Other bids were Pac. Fire Extinguisher Co., $19,925; Grinnell Co. of the Pacific, $19,500; Automatic Sprinkler Co. of America, $21,236.

WASHINGTON, D. C.—Knoburn Products Corp., 359 14th St., Hoboken, N. J., at $3,600 submits only bid to the Supervising Architect, Treasury Department, for furnishing and installing bronze covered entrance doors and frames in the post office at Everett, Wash.

SAN DIEGO, Cal.—The following bids were received on July 27 by the Chief of the Bureau of Yards and Docks, Navy Department, Washington, specification 4471, for lawn sprinkler system at the marine barracks, San Diego, Cal.:

Clarence P. Day, 203 Boston Bldg., Pasadena, Cal., $4,440, 60 days.

W. C. Merritt Co., 727 7th St., San Diego, Cal., $3,888.73, 60 days.

Charles H. Julien, San Diego, Cal., $4,125, 60 days.

WASHINGTON, D. C.—Bids are being received by the Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering the following materials for Navy Yards. Date of opening bids as noted at end of each paragraph:

Schedul 8530, for Mare Island, 800 feet fuel oil hose, opening of August 23.

Schedule 8534, for Mare Island, 4,000 cans carbon tetrachloride, opening of August 23.

Schedule 8541, for Mare Island, 1,540 feet fuel oil and suction hose, opening of August 23.

Schedule 8544, for eastern and western yards, leather belting, opening of August 23.

Schedule 8547, for Mare Island, 5,100 feet oxy-acetylene and hydorgene hose, opening of August 23.

Schedule 8552, for Mare Island, 980 feet steel wire rope, opening of August 23.

Schedule 8582, for Mare Island, 1 water softening filter and water meter, opening of August 9.

Schedule 8589, for eastern and western yards, files and rasps, opening of September 2.

SAN FRANCISCO. — Quartermaster Supply Officer, Fort Mason, awards a contract to Refinite Co., Omaha, Neb., for installing water softening plans on bid of $10,642.

SAN FRANCISCO.—Until August 22, 10 a. m., under Circular No. 22-12 bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering 15 "Champion" forge blowers, No. 400 or equal.

WASHINGTON, D. C.—Specifications for Pacific Coast improvements are being prepared by the Bureau of Yards and Docks, Navy Dept., as follows:

Specification 4410, San Diego, Cal., fresh water tank.

Specification 4413, Camp Kearney, Cal., rigid airship hangar.

Specification 4455, Puget Sound, repairs to roof of Building 84.

Specification 4456, Mare Island, heating system for moved buildings at the marine barracks.

Specification 4458, San Diego, dolphins and repairs to fender system.

Specification 4464, Pearl Harbor, steel work, machine shop.

Specification 4478, Puget Sound, 50-ton steam crane for dry dock.

Specification 4479, Mare Island, re-

nawel north half Building 85, navy yard.

Specification 4484, San Diego, Cal., quay wall.

Specification 4485, San Diego, dredging and filling repair base.

Specification 4489, Mare Island, remodeling barracks.

Specification 4493, San Diego, officers' quarters.

Specification 4494, San Diego, boiler plant equipment, hospital reservation.

Specification 4504, Pearl Harbor, 1 storage storehouse.

Further mention will be made of these projects when a call for bids is issued.

SAN FRANCISCO.—Until August 10, 11 a. m., bids will be received by the U. S. Engineer Office, 240 Montgomery St., under Order No. 3204 for the purchase of materials no longer required, including 6 J. Aerons nozzles (De Vilbiss), C, D and E, 2 of each; 1 13-gal. Q.C. tank and agitator; 1 pc. 50-ft. ⅜-in. and 2 pcs. 50-ft. ⅜-in. hose; 2 pcs. 50-rt. fluid hose for paint; 1 Q.F. truck for P.D. compressing outfit (De Vilbiss) and 1 P.D. compressing outfit complete (De Vilbiss). The above comprise a De Vilbiss portable paint spraying outfit. Material at U. S. Engineer Storehouse, Rio Vista, Solano County.

HALLS AND SOCIETY BUILDINGS

Completing Plans.
MEMORIAL Cost, $350,000
SAN FRANCISCO. Lincoln Park.
Class A memorial to be known as California Palace of Legion of Honor.
Owner — California Legion of Honor (a gift of Mr. and Mrs. A. B. Spreckels).
Architect—G. A. Applegarth, Claus Spreckels Bldg., S. F.
Figures will be called for shortly. The cornerstone has been laid.

Plans Being Prepared.
MAUSOLEUM Cost, $50,000
LONG BEACH, Los Angeles Co., Cal.
Masonry mausoleum, 300 crypts.
Owner—The Long Beach Cemetery Association, S. A. Decker, 2549 Geary Ave., Long Beach, Secretary.
Architect — Raymond Strong, Los Angeles.

Working Drawings to be Ordered.
TEMPLE Cost, $225,000
BAKERSFIELD, Kern Co., Cal. North side 18th bet. F and D Sts.
Three-story & basement concrete Masonic temple bldg. 152½x122.
Owner—Bakersfield Masonic Temple Assn.
Architect—Carl Werner, Humboldt Bank Bldg., S. F.
The funds are now being raised.

Plans Being Figured.
Y. W. C. A. Cost, $——
LOS ANGELES. Figueroa St. bet. 9th 10th.
Six-story & basement reinforced concrete bldg. Y. W. C. A. bldg. 87x220
Owner—Y. W. C. A.
Architect—John J. Frauenfelder, 1116 Story Bldg., L. A.
Figures are being taken for a general contract.

Contract Awarded.
C. OF C. BLDG. Cost, $35,974
GLENDALE, Los Angeles Co., Cal. E Brand Blvd. bet. Bdwy. & Harvard
Two-story brick Chamber of Commerce bldg. 52x120 (all work, gas radiators, etc.)
Owner—Glendale Chamber Commerce.
Architect—Roy L. Kent Co., Glendale.
Contractor—W. S. May & W. H. Hellman, 1115½ E. Chestnut St., Glendale.

Contract Awarded.
ALTERATIONS Cost, $10,000
STOCKTON, San Joaquin Co., Cal. Weber Ave., between California & Sutter Streets.
Alter 2nd floor of Jory Hall Building.
Owner — Stockton Pyramid No. 5, Ancient Egyptian Orded of Sciots.
Architect—Chas. Young, Commercial & Savings Bank Bldg., Stockton.
Contractor—J. J. Cavanaugh, 219 N-Sutter St., Stockton.

McMINNVILLE, Ore.—A. E. Lombard, Eugene Ore., at $78,285 submits low bid for constructing armory building for Oregon National Guard. As $75,000 is available for construction, it was decided to take bid under advisement and permit low bidder to submit revised figure. John Hunzicker, Eugene, Ore., architect.

HOSPITALS

Contract Awarded.
INFIRMARY Cost, $8782
BENICIA, Solano Co., Cal.
Two-story brick 20-roo minfirmary building.
Owner—St. Catherine's Convent.
Architect—Not given.
Contractor—W. McGinty & Son, 2506 Keith St., Bkly.

OAKLAND, Cal.—The following bids were received on August 1st by the Alameda County Supervisors for furnishing kitchen equipment for the Service Building at the County Infirmary near San Leandro. All bids were taken under advisement.

W. K. Nottingham, Oakland	$10,488
Montague Range & Furnace Co.	10,543
A. Schlueter, Oakland	10,745

Bids Taken Under Advisement.
ADDITION Cost, $——
OROVILLE, Butte Co., Cal.
Addition of 4 rooms to County Infirmary (36 beds)
Owner—County of Butte, C. F. Belding, Clerk, Oroville, Cal.
Architect — Chester Cole, Waterland-Breslauer Bldg., Chico, Cal.
Following bids were received:

A. A. Plagge, Oroville	$13,050
Hibbard Bros., Oroville	10,773
Polk & Kerr, Chico	12,993

HOTELS

Plans Being Prepared.
HOTEL Cost, $125,000
FULLERTON, Orange Co., Cal.
Three-story brick loft hotel 130x120 (100 rooms & 50 baths)
Owner—Community Hotel, Inc., Fullerton, Cal.
Architect — Eugene Durfee, 5 Casson Bldg., Anaheim, & Frank Benchley, Fullerton, associated.

Plans Being Prepared.
HOTEL Cost, $70,000
SAN LUIS OBISPO, Cal.
Two-story frame & stucco hotel (32 rooms & 32 bathrooms)
Owner—S. Leggett, San Luis Obispo.
Architect — Miller & Warnecke, Perry Bldg., Oakland.
Plans will be ready for figures in about a month and will be taken for a general contract, plumbing, heating and electric wiring.

PUBLIC BUILDINGS

Completing Plans — Figures to be Called for in About a Month.
AQUARIUM Cost, $250,000
SAN FRANCISCO, Golden Gate Park.
Reinforced concrete and stone aquarium.
Owner — Calif. Academy of Sciences, gift of Ignatz Steinhart.
Architect — Louis P. Hobart, Crocker Bldg., S. F.
NOTE—There will be a center court with pond representing a tropical swamp for tropical fish and an annex for the other fish.

SAN JOSE, Santa Clara Co., Cal.—L. Hart Son Co., Santa Clara and Market Sts., San Jose, awarded contract by the Supervisors for furnishing and delivering linoleum for rooms in the court house at $2.37 sq. yd. plus 10 cents a sq. yd. for laying and cutting.

SAN JOSE, Santa Clara Co., Cal.—Until September 6, 11 A. M., bids will be received by the County Supervisors, Henry A. Pfister, Clerk, for addition and alterations to the Nurses' Cottage on the Infirmary Road. Specifications may be obtained from the office of the Clerk at San Jose.

Contract Awarded.
REMODELING Cost, $8825
STOCKTON, San Joaquin Co., Cal. County Fair Grounds.
Remodeling and enlarging grandstand at fair grounds, seating capacity to be increased from 1600 to 3200 persons.
Owner—County of San Joaquin, Eugene Graham, Clerk, Stockton.
Architect—Wright & Satterlee, Bank of Italy Bldg., Stockton.
Contractor—Ira C. Boss.
Owing to lack of funds the county will construct only the east wing of the grandstand this year. This will add a 114-ft. section, containing about 1000 seats, to the present grandstand.
The following bids were received:
Ira C. Boss, Stockton, $16,995; $5270; $1540.
Shepherd & Riley, Stockton, $17,679; $7929; $1535.
Powell Medbury, Stockton, $17,734; $5385; $1600.
Frank Tucker, Stockton, $18,788; $5100; $1725.

STOCKTON, San Joaquin Co., Cal.—Edw. Barry Co., San Francisco, at $965 submits low bid to Supervisors for installing book stack in recorder's office. Other bidders were M. G. West Co., $1058.50; Tredway Bros., $1068. Taken under advisement.

OAKLAND, Alameda Co., Cal. — The following bids were received on August 4 by E. K. Sturgis, City Clerk of Oak-

land, for the construction of a 1-story shed building to be erected on the south side of 8th St. east of Fallon. All bids were taken under advisement:
A. J. McPhee, $5300; alternate No. 1, deduct $300; alternate No. 2, $9000.
F. W. Maurice, $5800; (2) $220; (3) add $5700.
Barrett & Hilp, $5843; (2) $450; (3) $9361.
Schnebly - Hostrawser, $6427.10; (2) $219; (3) add $2765.65.
Fred J. Westlund, $6595; (2) $200; (3)

RESIDENCES

Segregated Figures Being Taken.
ADDITION Cost, $——
PIEDMONT, Alameda Co., Cal. No. 1101 Ashmont Street.
Two-story frame addition to residence (8 or 10 rooms).
Owner—Dr. F. M. Loomis.
Architects—Sidney B. & Noble Newsom, Nevada Bank Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $——
PALO ALTO, Santa Clara Co.
Fireproof country residence.
Owner—Herbert E. Law, 500 Monadnock Bldg., S. F.
Architect—Geo. A. Schastey, 500 Monadnock Bldg., S. F., and Palo Alto.
NOTE—The number of rooms and type of construction have not been decided.

Plans Completed.
RESIDENCE Cost, $7,500
SAN FRANCISCO. St. Francis Wood.
Two-story frame residence.
Owner—Withheld.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
Plans will be figured as soon as the strike is settled.

SCHOOLS

SEATTLE, Wash.—Until August 11 bids will be received by Reuben W. Jones, Secretary, Seattle School Dist. No. 1, for constructing 3-story 12-room, reinforced concrete addition to F. A. McDonald School at E. 54th St. and Latona Ave. from plans of City School Architect F. A. Naramore. Estimated cost, $155,000.

SALEM, Ore.—C. Van Patton & Son, Salem, at $34,444 awarded contract by State Board of Control to erect girls' dormitory building at industrial school from plans of Architects Claussen & Claussen, Macleay Bldg., Portland. Heating and plumbing awarded to Lebanon Plumbing & Heating Co., Lebanon, Ore., at $5990 and electric work to Main Elec. Co., Portland, $1712.

GRASS VALLEY, Nevada Co., Cal.—The City Board of Education will receive bids for supplying the department with 27 low down closet combinations with never split seats, enameled cast iron tank, regular washdown bowl, up to and including Aug. 8, 1921, at 3 o'clock p. m. Delivered f. o. b. Grass Valley. The Board reserves the right to reject any or all bids. Address all bids to A. B. Champion, Clerk, Board of Education.

PASCO, Wash. — Franklin County School District awards contract to Parker & Wood, Bremerton, Wash., at $110,300 to erect fireproof high school and gymnasium wing. Main building 3 stories high, 63x112; gymnasium, 45x88, 2 stories high. Plans prepared by Architects Baker, Vogel, Evans & Rousch, Pacific Block, Seattle.

Plans Being Figured—Bids Close Aug. 17, 1921, 8 P. M.
SCHOOL Cost, $70,000
BURLINGAME, San Mateo Co., Cal.
One-story frame and plaster five-room room school, crushed brick roof. (Pershing School).
Owner—Burlingame Grammar School District (Mrs. J. M. Vickerson, Clerk).
Architect—Ernest L. Norberg, Bankers' Investment Bldg., San Francisco.
Figures are being taken for a general contract, heating and plumbing on the new school, also painting the present two schools, two fire escapes on one of the present schools and for a concrete curb wall around one of the present schools.
Plans may be obtained from Mr. Norberg's office on a deposit of $10. Bids will be opened at the Howard Avenue School in Burlingame.

BENICIA, Solano Co., Cal.—Trustees of Benicia School District contemplating installation of fire escapes on school building. H. B. Staley is Clerk of the district.

Contract Awarded.
SCHOOLS Cost, Approx. $185,000
LANCASTER, Los Angeles Co., Cal.
Two reinforced concrete buildings connecting colonades and alterations and additions to present school buildings.
Owner — Antelope Valley Union High School Dist.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.
Contractor — Wopschall Bros., 100 E. Colorado St., Pasadena.

Plans Being Figured—Bids Close Aug. 12, 1921.
ADDITION Cost, $——
EL MONTE, Los Angeles Co., Calif.
Additions and alterations to domestic science building (hollow tile).
Owner—El Monte Union High School District.
Architect—E. C. Thorne, 620 Western Mutual Life Bldg., Los Angeles.
The addition will include a cafeteria wing, cafeteria fixtures, a new library room, etc.

VISALIA, Tulare Co., Cal. — Until August 13, 10 a. m., bids will be received by S. H. Miller, Clerk, Packwood School Dist., Route 1, Box 98, Visalia, for painting the Packwood School and out buildings. Materials to be used must consist of lead and boiled linseed oil for outside of buildings and tinting material and varnish for inside of buildings. Certified check for 10% required with each bid.

NEWMAN, Stanislaus Co., Cal.—Until August 13, 10 a. m., bids will be received by Chas. Stahlman, Clerk, Canal Grammar School Dist. for erecting tank tower, toilet rooms and septic tank at Canal Grammar School. Certified check for 10% require dwith each bid. Plans may be had from Clerk on deposit of $5, returnable.

Bids Under Advisement.
SCHOOL Cost, $——
COURTLAND, Sacramento Co., Cal.
Oriental School building.
Owner—Courtland Grammar School District.
Architect — F. A. S. Foale, Oehsner Bldg., Sacramento.
R. McLeran & Co., Hearst Bldg., S. F., submitted the lowest bid.

ROSEVILLE, Placer Co., Cal.—The following bids were received on July 30th, by the Trustees of the Roseville School District for the construction of a two-story hollow tile school building. Plans were prepared by the architectural firm of George C. Sellon & Co., Mitau Bldg., Sacramento, and call for a six-room and auditorium structure. All bids were rejected except the low bidders as follows: Masonry and carpentry, H. W. Robertson, 1209 20th St., Sacramento; plastering, Thos. Scollan, 2919 T St., Sacramento; painting, Schneider, Chappel & Jones, 615 J St., Sacramento; Roofing, Johns-Manville Co. of San Francisco, and A. Burr; plumbing, heating and sheet metal work, Latourrette-Fical Co., 3431 Sacramento Blvd., Sacramento.

Masonry and Carpentry
H. W. Robertson
$29,655; $160; $305.
Campbell Construction Co.
$33,450; $200; $400.
Jas. L. McLaughlin.
$34,900; $200; $600.

Plastering
Thos. Scollan Co.
$6,950; $430; $320.
Chas. Terranova, San Francisco.
$6,950; $200; $125.

Painting
Schneider, Chappell & Jones.
$1,275; $580; $415.
Chas. L. Hale.
$1,885; $406; $199.
R. Zelinsky, San Francisco.
$2,675; $410; $400.

Roofing
Johns-Manville Co.....$1,525
A. Burr 1,598
H. C. Brown Roofing Co., Oakland 1,880
C. C. Neff..... 1,698

Plumbing
Booth & Herboth, Marysville.
$3,152; $1,795

Heating
Booth & Herboth.....$3,361
Mechanical Eng. & Eq. Co..... 3,133

Sheet Metal Work
Heidt Cornice Co., S. F.....$548
Booth & Herboth..... 667

Electrical Work
George Foss $4,500

Complete Mechanical Equipment
Latourrette-Fical Co.
$10,600; $1,660; $3,000; $2,100.

Figures to be Called For in About a Week.
SCHOOL Cost, $210,000
SACRAMENTO, Calif. Bret Hart School.
Two-story concrete and brick school with tile roof.
Owner—Sacramento Bd. of Education.
Architects — Hemmings-Petersen-Hudnutt, Architectural & Engineering Commission, Library Bldg., 9th and L Sts., Sacramento.
Plans have been submitted to the Board for approval.

Figures to be Called The End of This Week.
SCHOOL Cost, $50,000
WOODBRIDGE, San Joaquin Co., Cal.
One-story hollow tile and plaster school building (5 rooms and an auditorium.)
Owner—Woodbridge Grammar School District.
Architect—Geo. C. Sellon, Mitau Bldg., Sacramento.

Contract Awarded.
ADDITION Cost, $6443
OAKDALE, Stanislaus Co., Cal.
Construction of 2-room addition to school.
Owner — Oakdale Union School Dist., Mabel Sivley, Clerk, Oakdale.
Architect—Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Contractor—Jos. Chirhart, 521 S. San Joaquin St., Stockton.

Contract Awarded.
SCHOOL Cost, $5,261
BAKERSFIELD, Kern Co., Cal.
Frame school building.
Owner—Paleto School District, H. E. Osborn, Clerk, Bakersfield.
Architect—H. E. Osborn, Bakersfield.
Contractor—Fred L. Gribble, Bakersfield, Calif.

Figures to be Called for in About a Week.
ADDITION Cost, $18,000
ESCALON, San Joaquin Co., Cal.
One-story 4-room brick and frame school addition.
Owner—Escalon Grammar School Dist.
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Figures will be taken for a general contract.

Plans Being Figured—Bids Close Aug. 22, 1921.
SCHOOL Cost, $——
SANTA CLARA, Santa Clara Co., Cal.
One & 2-story reinforced concrete school bldg.
Owner—Santa Clara High School Dist.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Separate bids are being taken as follows:
Masonry work.
Fibrestone.
Composition roofing.
Terra cotta roofing.
Electrical work.
Plumbing.
Sheet metal work.
Painting.
Heating and ventilating.
Plans may be obtained from Mr. Weeks' office on a deposit of $100.

REEDLEY, Fresno Co., Cal. — Until August 15, 8 p. m., bids will be received by Frank Frane, Clerk, Reedley Joint Grammar School District, for constructing one room kindergarten bldg. Specifications on file in office of Frank Frane and Son, Reedley.

Plans Being Prepared.
SCHOOL Cost, $38,000
SUTTER COUNTY. Center-Gaither School Dist.
One-story hollow tile school (3 rooms and an auditorium)
Owner—Center-Gaither Grammar School Dist.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Plans will be ready for figures in about a month.

Figures to be Called for in About Two Weeks.
SCHOOL Cost, $65,000
NEWMAN, Stanislaus Co., Calif.
One-story hollow tile school (6 rooms and an auditorium).
Owner — Newman Grammar School District.
Architect—Geo. C. Sellon, Mitau Bldg., Sacramento.

Contract Awarded.
SCHOOL Cost, $7049
SACRAMENTO COUNTY. Pacific School District.
One-story frame 2-room school.
Owner—Pacific School District.
Architect — Frederick S. Harrison, Peoples Bank Bldg., Sacramento.
Contractor—Harry A. Hendren, Fair Oaks, Calif.

Contract Awarded.
ALTERATIONS Cost, $3595
HAYWARD, Alameda Co., Cal.
Moving, altering and additions to school bldg.
Owner — Valle Vista School District, King Caldeira, Acting Trustee.
Architect—Geo. O'Brien, Bacon Bldg., Oakland.
Contractor—Bell & Peters, Hayward.

Contracts Awarded.
SCHOOL Cost, $51,000
ROSEVILLE, Placer Co., Cal.
Two-story hollow tile school (6 classrooms and an auditorium)
Owner—Roseville School District.
Architect — Geo. C. Sellon Co., Mitau Bldg., Sacramento.
Masonry and carpentry to H. W. Robertson, 1209 20th St., Sacramento, $29,655.
Plastering to Thos. Scollan Co., 2919 T St., Sacramento, $6950.
Painting to Chas. L. Hale of Roseville, $1885.
Roofing to Johns-Manville Co., S. F., $1525.
Complete mechanical equipment to Latourette-Fical Co., 3431 Sacramento Blvd., Sacramento, $10,600.

ANTIOCH, Contra Costa Co., Cal.—Until August 15, 3 p. m., bids will be received by A. V. McFaul, Clerk, Riverview High School Dist., for installing new sanitary system in the Riverview Union High School. Bids to be accompanied by certified check for 10%. Specifications may be had from Clerk.

BERKELEY, Alameda Co., Cal. — Until August 16, 4 p. m., bids will be received by Clyde Blanchard, Acting Secretary, High School Board of Education, 2133 Allston Way, for furnishing and delivering high school vocational supplies and equipment for the fiscal year 1921-22. Specifications will be furnished on request.

Low Bidder.
ADDITION Cost, $——
TRACY, San Joaquin Co., Cal.
One-story frame 1-room addition to school.
Owner—Tracy School District.
Architect — Wright & Satterlee, Bank of Italy Bldg., Stockton.
J. A. Sleeth, 1004 S. Grant St., Stockton, submitted the lowest bid at $5175.

STORES AND OFFICES

Contract to be Awarded.
STORE BLDG. Cost, $7,550
OAKLAND, Alameda Co., Cal. 15th Avenue.
One-story frame store building.
Owner—Fred A. Miller.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—C. Tendahl, 3375 Dalgleish Place, Oakland.

Contract Awarded.
RECONSTRUCT BLDG. Cost, $——
MODESTO, Stanislaus Co., Cal. Ninth Street.
Reconstruction of two-story building destroyed by fire.
Lessees—Bagby & Mott, Modesto, Calif.
Architect—Not Given.
Contractor—Bush & Conlee, Modesto.

Contract Awarded.
RECONSTRUCT BLDG. Cost, $——
MODESTO, Stanislaus Co., Cal. No. 1010 Ninth Street.
Reconstruction of building destroyed by fire.
Owner—De Yoe Building.
Architect & Contractor—Davis-Heller-Pierce Co., Delta Bldg., Stockton.

Plans Complete.
BUILDING Cost, $——
LOS ANGELES. E 3rd St. near San Pedro.
Two-story & basement Class A bldg. 80x100.
Owner—Crane Co.
Architect — Morgan Walls & Morgan, 1124 Van Nuys Bldg., L. A.

THEATRES

Plans Complete.
THEATRE Cost, $75,000
LOS ANGELES. Vermont Ave. & 40th Place.
One and 2-story brick store, theatre & office bldg., 60x250, 10 stores and 4 offices.
Owner—L. H. Mitchell & Son.
Architect — Whiting Thompson, 808 Stock Exchange Bldg., L. A.

Contract Awarded.
REMODEL Cost, $15,000
SANTA ROSA, Sonoma Co. B & 5th Sts.
Remodel theatre.
Owner—Cline Theatre (T. C. Reavis, Mgr.)
Architect—Not given.
Contractor—W. L. Proctor, 517A 4th St., Santa Rosa.

Contract Awarded.
THEATRE Cost, $——
WALNUT PARK, Los Angeles Co., Cal.
Two-story brick theatre, store & office bldg. 122x160 (1100 seats, 11 stores & 24 offices)
Owner—Sanders & Feaster.
Architect — A. H. McCulloh, Walnut Park, Cal., & Alfred F. Priest, 619 Fay Bldg., L. A., associated.
Contractor—C. A. Nagle, 212 Live Oak St., Walnut Park.

Plans Being Prepared.
THEATRE Cost, $25,000
BREA, Orange Co., Cal.
Reinforced concrete theatre.
Owner—Culp & Sexton.
Architect—Jeffery & Schaefer, Kerckhoff Bldg., L. A.

Official Proposals

BIDS WANTED FOR POST OFFICE BUILDING

SUPERVISING ARCHITECT'S OFFICE, Treasury Department, Washington, D. C., July 11, 1921.—SEALED PROPOSALS will be opened in this office **at 3 P. M., August 15, 1921,** for the construction of the United States Post Office and Court House at Globe, Arizona. Drawings and specifications may be obtained from the Custodian of site at Globe, Arizona, or at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids for the construction of a machine shop building and a frame building to contain two classrooms will be received by the Board of Trustees of the Washington Union High School District at the office of Swartz & Ryland, Architects, Room 624 Rowell Building, Fresno, California, **up to but not later than 3 o'clock P. M., on Monday, the 15th day of August, 1921.**

Each proposal must be accompanied by a certified check on same solvent bank in the amount of ten per cent of the total amount of the bid, payable to J. A. Poytress, Secretary, of the said Board, as a guarantee that if his bid is accepted, the bidder will within five days after the acceptance of said bid, execute a sufficient and binding contract for the performance of the work, and that he will give a surety or other approved bond in an amount equal to fifty per cent of the contract price for the complete and faithful performance of his contract.

The said Board of Trustees reserve the right to reject any and all bids without recourse.

Plans and specifications may be obtained from the office of Swartz & Ryland, Architects, Room 624 Rowell Building, Fresno, California. Contractors obtaining the plans for the purpose of estimating will be required to deposit the sum of $10.00 as a guarantee of the safe return of the plans in good condition.

By order of the Board of Trustees of the Washington Union High School District.

J. A. POYTRESS, Secretary.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

SANTA ROSA., Calif, July 27, 1921.—Notice is hereby given that the Clerk of the Board of Trustees of Todd School District, Sonoma County, California, will receive bids **until 12 o'clock Noon August 11, 1921,** and that said bids will be publicly opened and read at **1:30 o'clock P. M.,** at a meeting of the Board of Trustees at the school house in the Todd School District on the above date, for laying new floors in two classrooms and other repair work in Todd School District, Sonoma County, California.

Specifications for this work are on file with the Clerk of the School Board in Todd School District.

A copy of the specifications can be procured from the Clerk of the School Board.

J. C. POOR,
Clerk of the Board of School Trustees of Todd School District, Sonoma County, California.

BIDS WANTED FOR BUILDING

NOTICE TO GENERAL CONTRACTORS

SEALED BIDS will be received **up to 2 P. M., August 10th, 1921.** Address to John C. Gibson and mark (Bids for Gibson Building) or may be left at the Law Office of A. E. Campbell, 1024 Chorro street, San Luis Obispo, Calif., which place has been selected to open same on day and hour above written. Bids will be for the Building complete as shown and called for, and may be in two ways. 1st: In accordance with plans; substituting reinforced concrete for structural steel shown in floor details and sectional elevations and according to reinforced concrete floor plan.

2nd: Substituting reinforced concrete in place of brick, and as specified in steel work and cement work of basement and general specifications. The bid or bidders awarded contract will be required to give a good and acceptable bond in the sum of twenty-five (25) per cent of contract price for the protection of the owner, and a further and like bond in the sum of fifty (50) per cent for the protection of labor and material furnishers. Building to be completed in one hundred (100) working days from date of contract.

The owner reserves the right to accept or reject any and all bids. Plans, specifications and information can be had from

C. F. BOOSINGER,
209 Brizzolara St.,
San Luis Obispo, Calif.

BIDS WANTED FOR LIGHTING FIXTURES

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 22, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., August 12, 1921, for furnishing and installing or for furnishing and delivering, lighting fixtures in the U. S. Post Office, Court House, and Custom House at Honolulu, T. H., in accordance with drawings and specifications, copies of which may be had at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR ALTERATIONS TO POST OFFICE BUILDING

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 23, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., August 29, 1921, for alterations to the United States Post Office Building at Eugene, Oregon. Drawings and specifications may be obtained from the Custodian at Eugene, Oregon, or at this Office in the discretion of the Suprevising Architect. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

On the construction of a new school building for the Everett School District, San Joaquin County, California.

Notice is hereby given by order of the Board of Trustees of the Everett School District that separate proposals will be received at the Everett school house, located in the Everett School District, County of San Joaquin, State of California, **until Saturday, August 13th, 1921, up to 2 P. M.,** for the furnishing of all labor and materials necessary for the construction of the following items in connection with the new Everett school building:

1. Carpentering, labor, lumber and millwork.
2. Excavating, concrete and tile work.
3. Plastering.
4. Painting and tinting.
5. Slate blackboards.
6. Plumbing and sheet metal work.
7. Electrical work.
8. Roofing.

The above work is necessary for the construction of this new school building in accordance with plans and specifications on file, which may be seen at the office of C. H. Young, 903-4-5 Commercial and Savings Bank Building, Stockton, California, the authorized architect for the Board. All bids must be accompanied by a certified check or certificate of deposit for not less than 10% of the amount bid, and conditioned that the successful bidder shall enter into a contract in accordance with such bid, and will file with said Board of Trustees a surety bond to be approved by said Board, both as to form and surteies thereon, within five days (5) after the acceptance of his bid, which bond shall be conditioned for the faithful fulfillment of the contract entered into, and to be for at least fifty (50) per cent of the amount of the contract price for the work to be done thereunder. Upon failure of the bidder to execute such contract and bond within said five days (5), said ten (10) per cent of the amount bid shall be forfeited to said Everett School District. All the work to be done and materials furnished shall be in accordance with the plans and specifications herein specified, and all bids herein will be opened at the hour of two o'clock p. m. on the thirteenth day of August, 1921, by the said Board of Trustees of the Everett School District, in the County of San Joaquin, State of California.

All bids must be submitted on forms obtained from the architect, said Board of Trustees reserving the right to reject any and all bids.

By order of the Board of Trustees of the Everett School District, County of San Joaquin, State of California.

Dated July 29th, A. D. 1921.

R. C. GRUWELL,
As Clerk of the Board of Trustees of the Everett School District, San Joaquin County, State of California.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Inviting sealed proposals for the erection of a new school building and work to be performed on present buildings in the Burlingame Grammar School District, County of San Mateo, State of California.

Notice is hereby given that the undersigned trustees of the Burlingame Grammar School District, County of San Mateo, State of California, will receive sealed bids at the Howard Avenue School, Burlingame, County of San Mateo, State of California, for the erection and completion of a new one-story frame school building with plumbing and heating (a separate contract), for the repainting of the exterior of the Howard Avenue and Oak Grove Schools (separate contract), for the erection of a concrete wall coping around yard at the Howard Avenue School (separate contract) and for the erection of two steel fire escapes (separate contract), all in said district **up to the hour of eight (8) o'clock P. M., on Wednesday, the 17th day of August, 1921,** at which time and place said bids will be publicly opened.

All bids must be addressed to Mrs. J. M. Vickerson, Clerk of the Burlingame Grammar School District, San Mateo County, California, and must be accompanied by a certified check on some reliable bank in the State of California, made payable to the order of aforesaid clerk of said Board of School Trustees, in amount equal to at least ten (10) per cent of the largest bid so submitted, and no proposal will be considered by said Board unless accompanied by such check.

The said check to be forfeited to said Burlingame Grammar School District, as ascertained and liquidated damages in case the successful bidder fails or

efuses to enter into contract to perorm the work, and give the bonds ereinafter required, within ten days fter the date of the award.

The plans and specifications for said orks may be obtained from E. L. Norerg, architect, 407 Occidental Avenue, urlingame, and Bankers' Investment uilding, San Francisco, California.

Said work must be performed accordng to said plans and specifications and ompleted in ninety (90) working days om the date of the execution of the ontract.

The bidders to whom the contract are warded will be required at the time of e execution of the contract, and as a ondition to the acceptance of his bid, execute and file a good and sufficient ond, executed by a surety company, or y two responsible sureties to be approved by the said Board of Trustees of ald district, in an amount of not less han fifty (50) per cent of the total mount payable under the terms of the ontract to secure the faithful performance of the contract and the full payent of claims for any material, or supplies of labor of any kind whatsoever, sed in the construction of the said orks to be constructed under the said ontracts.

The said Board of Trustees expressly eserves the right to reject any and all ids.

A deposit of $10 will be required from ontractors for the safe return of plans nd specifications.

Done by order of the Board of Trusees of the Burlingame Grammar School istrict, County of San Mateo, State of alifornia.

M. G. McCLINTON, Trustee,
F. H. THRALL, Trustee,
MRS. J. M. VICKERSON,
Clerk of the Board of Trustees.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

On the construction of an addition the present Atlanta School building r Atlanta School District, San Joaln County, California.

Notice is hereby given by order of e Board of Trustees of the Atlanta chool District, that sealed proposals ill be received at the Atlanta school ouse, located in the Atlanta School istrict, County of San Joaquin, State California, **until Tuesday, August th, 1921, up to 2 P. M.,** for the furshing of all labor and materials ecessary for the construction of an dition to the present Atlanta school ilding.

This work is necessary for the conruction of this new addition to the esent building, in accordance with ans and specifications on file, which ay be seen at the office of Charles Young, 903-4-5 Commercial and vings Bank Building Stockton, Calornia, the authorized architect for e Board. All bids must be accomanied by a certified check or certiate of deposit for not less than ten r cent of the amount bid, and contioned that the successful bidder all enter into a contract in accordnce with such bid, and will file with e said Board of Trustees a surety nd to be approved by said Board, th as to form and sureties thereon, thin five days (5) after acceptance his bid, which bond shall be contioned for the faithful fulfillment of e contract entered into, and to be at least fifty (50) per cent of the mount of the contract price for the ork to be done thereunder. Upon lure of the bidder to execute such ntract and bond within said five (5) ys said ten (10) per cent of the mount bid shall be forfeited to said lanta School District. All work to done and materials furnished shall in accordance with the plans and ecifications herein specified, and all ds herein will be opened at the hour two o'clock P. M., on the 16th day August, 1921, by said Board of ustees, at the Atlanta school house, the County of San Joaquin, State California. All bids must be subted on forms obtained from the chitect, said Board of Trustees reerving the right to reject any and d bids.

By order of the Board of Trustees the Atlanta School District, San aquin County, State of California.

Dated August 1st, 1921.
NORMAN C. HOUSTON,
As Clerk of the Board of Trustees of the Atlanta School District, San Joaquin County, State of California.

BIDS WANTED FOR PLUMBING AND ELECTRICAL WORK

NOTICE TO CONTRACTORS

The Board of Trustees of the Great Western Union School District, Reedley, California, will receive sealed bids **up until 2 o'clock P. M., August the 15th,** at the Funk Grammar School Building, near Reedley, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new Grammar School Building in accordance with plans and specifications prepared therefore by Anton Johnson, of Kingsburg, California. Bids will be received separately for the different segregated contracts, as follows:

Contract No. 8: For plumbing and sewering.

Contract No. 9: For electrical work.

Certified check for an amount not less than ten per cent (10%) of amount of bid should accompany each proposal, made payable to the order of Mr. M. M. Chamberlain, Clerk of the Great Western Grammar School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said Grammar School Board in accordance therewith, and shall furnish bonds as required by the specifications. Said check to be forfeited to the said Grammar School District should the bidder refuse to execute contract and furnish bonds as above mentioned.

Plans and specifications for all of the above work may be seen in the office of Anton Johnson, Kingsburg, California.

A deposit of ten dollars ($10.00) will be required from all contractors refunded when plans and specifications are returned in good condition.

By order of the Board of Trustees, Great Western Union School District, Reedley, California, by Mr. M. M. Chamberlain, Clerk of the Board of Trustees, of Great Western Union School District.

M. M. CHAMBERLAIN.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento., Cal., until 2 o'clock P. M., on August 29th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Marin and Sonoma Counties, between Ignacio and Fairville (IV-Mrn-Son-8-A), about 9.5 miles in length, to be paved either with Portland cement concrete or asphaltic concrete.

Santa Barbara County, between San Jose Creek and Shoup Creek (V-SB-2-K), about 2.0 miles in length, to be paved with Portland cement concrete.

Los Angeles County, between Rancho El Encino and Shoup Avenue (VII-L.A.-2-B), about 5.7 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract and specifications may be obtained at said offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated August 1, 1921.

BIDS WANTED FOR OVERHEAD CROSSING

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors, Alameda County, Cal.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, until **Monday, August 22, 1921, at 10 o'clock** a. m., (the day when said bids will be opened and the contract awarded) for the construction of a reinforced concrete overhead crossing on County Road 818, over the tracks of the Central Pacific Railway, east of Altamont, Murray Township, Alameda County, Cal.

Plans and specifications on file in the office of the County Clerk, open to inspection.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or give the bond required by the Board for the faithful performance of the Contract.

(Seal) GEO. E. GROSS.
Clerk of the Board of Supervisors of the County of Alameda.

TO CALL BIDS FOR STEEL SUPERSTRUCTURE

NOTICE TO CONTRACTORS

Proposals will be opened in the near future on Specification No. 4464 for erection of steel superstructure for new machine shop, Naval Station, Pearl Harbor, T. H.

The work covers the erection of the steel work for the new machine shop which will be rectangular in shape, 1 story high, 181 ft. 3½ in. wide, and 520 ft. long, measured between column center lines. Bottom chords of main trusses will be approximately 50 ft. above main column bases. All structural steel will be furnished by the Government.

Plans and specifications will be available for distribution shortly and will be forwarded when available upon the receipt of check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, as security for their safe return.

R. L. MARTIN,
Lieut. Comdr. (CEC) U. S. Navy,
By direction, Public Works Officer.

TO CALL BIDS FOR RIPRAPPING

NOTICE TO CONTRACTORS

The Bureau of Yards and Docks will shortly open proposals on Specification No. 4390 for riprapping Dike No. 12 at the Mare Island Navy Yard.

The work includes the excavation of approximately 100,000 cu. yds. of rock at the southerly end of Mare Island, and the depositing thereof outside of Dike No. 12.

Plans and specifications may be had when available upon depositing check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, as security for their safe return.

R. L. MARTIN,
Lieut. Comdr. (CEC) U. S. Navy,
By direction, Public Works Officer.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SANTA ANA, Orange Co., Cal. — Frank Hudson, Higgins Bldg., L. A., was awarded a contract at $24,832 for constructing a reinforced concrete bridge over the Santa Ana River near Olive.

VISALIA, Tulare Co., Cal. — Until August 18, 2 p. m., bids will be received by Geo. R. Prestidge, County Clerk, for constructing reinforced concrete bridge across the Bayou, 1420 ft. south of the NE. corner of Section 30, T. 20 S., R. 25 E., M. D. B. & M., involving 114.11 cu. yds. Class A concrete and 231.84 cu. yds. Class B concrete and 47 piles.

Separate bids on same date for constructing a wooden bridge with concrete abutments across the St. Johns River on Road 1266, to the south of the NE. corner of Section 10, T. 18 S., R. 26 E., M. D. B. & M., involving 128 piles, 413.44 cu. yds. Class B concrete and 87 M board ft. lumber, including all excavation. Certified check for 5% payable to County required. Laurence A. Moye, County Surveyor.

CALIFORNIA. — Frank H. Green, Eureka, at $33,600 awarded contract by State Highway Commission for constructing a reinforced concrete bridge across Bear Gulch near Garberville, Humboldt County, 247 ft. long, having a main arch span of 123 ft. in the clear, and two approaches, one of three girder spans of about 23 ft. each, and one of one girder span of about 24 ft., involving 660 cu. yds. Class A and 255 cu. yds. Class C concrete; commission will furnish reinforcing steel. Engineer's estimate, $38,791.50.

T. H. Polk, Chico, at $18,510 awarded contract to construct three reinforced concrete bridges in Siskiyou County as follows: Across Parks Creek near Weed, bridge consisting of two spans of 32 ft. each; across Willow Creek near Gazelle, a bridge consisting of two spans of 32 ft. each; across Shasta River near Edgewood, a bridge consisting of two spans of 40 ft. each; 100 cu. yds. Class A concrete for Parks Creek bridge; 205 cu. yds. Class C concrete for Parks Creek bridge; 100 cu. yds. Class A concrete for Willow Creek bridge; 215 cu. yds. Class C concrete for Willow Creek bridge; 140 cu. yds. Class A concrete for Shasta River bridge; 240 cu. yds Class C concrete for Shasta River bridge; commission will furnish reinforcing steel and cement. Engineer's estimate, $32,582.

MARYSVILLE, Yuba Co., Cal.—The Supervisors considering construction of new approach to B St. bridge to replace that destroyed by fire. A concrete approach is planned. Leslie B. Crook, County Engineer.

OROVILLE, Butte Co., Cal. — Plans for widening the lower reaches of Butte Creek to permit better drainage of rice districts along the stream in Butte and Sutter Counties were adopted at a meeting of representatives of Butte Creek Drainage Dist., Drainage Dist. No. 1 and Drainage Dist. No. 200. The work will consist mostly of dredging, and will cost in the neighborhood of $135,500, exclusive of engineering expense. The plan is yet to be approved by the Moulton land interests of Colusa County.

IRRIGATION PROJECTS

SACRAMENTO, Cal.—State Reclamation Board planning levee improvements along east side of Sacramento River in the vicinity of Hood. A considerable stretch of levee is in need of strengthening, according to members of the body, but just how the work will be financed and handled is a problem yet to be worked out.

LITCHFIELD, Lassen Co., Cal. — Until August 20, 10 a. m., bids will be received by J. A. Pardee, Secretary, Tulare Irrigation District, Litchfield, for the purchase of $806,000 worth of district bonds; proceeds of the sale to finance improvements.

SAN JOSE, Santa Clara Co., Cal. — September 27 is date set by Supervisors to decide on the question of forming the Santa Clara County Irrigation District.

KLAMATH FALLS, Ore.—J. E. Funk, 246 W. South St., Stockton, awarded contract to construct 15 miles of ditches for Wocus Drainage District comprising about 4000 acres.

CHICO, Butte Co., Cal. — Plans for the organization of an irrigation and reclamation district comprising approximately 15,000 acres, north, west and east of Nord, in northwest portion of Butte County, are being outlined according to the Chico Chamber of Commerce. W. R. Jahn is engineer in charge of surveys for the proposed district. County Supervisor A. H. Mahon is interested in the new district.

Engineers and Contractors
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LIGHTING SYSTEMS

SAN MATEO, San Mateo Co., Cal.—City Trustees adopt type of electrolier manufactured by Joshua Hendy Iron Works of San Francisco; costing approximately $45 each, for lighting the streets of the city.

MRECED, Merced Co., Cal. — City attorney instructed to prepare proceedings for organization of district for installation of electrolier system. Approximately 400 standards will be installed. Chas. Martin, City Engineer, estimates cost at $86 for each 50 ft. frontage.

MACHINERY

SAN FRANCISCO.—Until August 15 bids will be received by Supervisors for transferring the body of an ambulance at the Relief Home to White ¾-ton chassis. Specification may be had from J. S. Dunnigan, Clerk of the Supervisors, Room 235, City Hall.

SAN JOSE, Santa Clara Co., Cal.—Following bids received by Supervisors for furnishing and delivering one 25-35 h.p. used Yuba ball tread tractor: Mrs. A. E. Buckheister, $3000; San Jose Tractor & Truck Co., $2700. Contract awarded to Mrs. A. E. Buckheister and Irving Ryder, County Engineer, instructed to examine tractor of other bidder with a view of purchasing same.

Artana & Geoffroy at $4358.34 submit only bid and were awarded contract for furnishing and delivering one used Fageol motor truck.

DENVER, Colo.—Until September 14, 2 P. M., bids will be received by the U. S. Reclamation Service, Denver, for furnishing two direct pumping units for the Thomas Point pumping plant, Lower Yellowstone project, Montana-North Dakota.

SACRAMENTO, Cal.—Until August 11, 9 P. M., bids will be received by M. J. Desmond, City Clerk, for furnishing and delivering 2100 feet of 6-in. Class B cast iron pipe and 20 six inch double hub cast iron bronze mounted valves. Certified check for 5% payable to City Controller required with each bid. Specifications may be had from the Clerk.

MARYSVILLE, Yuba Co., Cal.—Yuba Mfg. Co., Marysville, has secured contract to build three large dredges costing in the neighborhood of $1,000,000, according to Newton Cleveland, manager of the company. One of the dredgers will be built for a company operating on the Tuolumne River. The others will go to Idaho and Colorado.

FIRE EQUIPMENT

OROVILLE, Butte Co., Cal.—Following bids received by City Trustees for furnishing and delivering 1 combined pumping engine and hose truck, with all necessary operating tools, to have a capacity of 500 to 750 gals. of water per minute, and a capacity of 1200 ft. 2½-in. hose: Ahrens-Fox Co., $12,160; American-La France Fire Engine Co., $10,000, $10,250 and $12,500; Stutz Fire Engine Co., $12,450, $10,450 and $10,000; Seagrave Co., $11,000, $11,500, $11,750 and $12,500. Bids taken under advisement.

SAN FRANCISCO.—Until August 17, 8:30 p. m., bids will be received by Frank T. Kennedy, Secretary, Fire Commission, City Hall, for furnishing and delivering one or more motor-driven, double 100-gal. chemical fire engines. Specifications will be furnished on request.

RAILROADS

LOS ANGELES, Cal.—The California Gypsum Corp, 731 Pacific Finance Bldg., plans the construction of a 16 mile narrow gauge railroad from its deposit in Imperial Coft to the main line of the San Diego & Arizona R. R. at Coyote Wells. R. W. Waterman, construction engineer for the corporation, is in Los Angeles arranging construction details. Estimated cost, $200,000.

LOS ANGELES, Cal.—The California Gypsum Corp., 731 Pacific Finance Bldg., L. A., plans erection of a 1000-ton gypsum plant at Coyote Wells, Imperial County, on the San Diego & Arizona R. R., including a 16-mile narrow gauge railroad; will also purchase steam shovel, crushing and quarry equipment. Estimated cost, railroad, $200,000; crushing plant, quarry equipment and shovel, $100,000; plaster mill and auxiliary plants, $350,000. R. W. Waterman, construction engineer, is now at Hotel Clark, arranging purchases.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

Co., Cal.—J. P. Holland, Brannan St., San Francisco, at $4600 awarded contract by South San Francisco Land & Improvement Co. to construct road 18 ft. wide east of this city in the vicinity of the Wildberg Bros. holdings.

OAKLAND, Cal.—Until August 15, 10 A. M., bids will be received by Geo. E. Gross, County Clerk, for improving roads at the county hospital near San Leandro, in Eden Township, plans on file in office of Clerk. P. A. Haviland, County Surveyor.

WINSLOW, Ariz.—Dan LaRoe, Silver City, New Mexico, was low bidder at $52,376.05 for one mile of paving through Winslow; Federal Aid Project. Other bids, Warren Bros., $67,925.95; Pacific Const. Co., $63,941.73; Twohy Bros., $59,404.27; Roger Bros., $58,730.25

HOLLISTER, San Benito Co., Cal.—Town Trustees, D. F. H. McPhail, Clerk, passes Resolution of Intention 2 to improve portions of Hawkins St. bet. San Benito St., and West St. by grading and paving with concrete 5 in. thick and constructing concrete curbs. Imp. Ace 1911. Protests will be heard August 15. Alfred M. McCray, Town Engineer.

SACRAMENTO, Cal.—City Commissioners vote $5000 to purchase water mains for extending pipe lines in East Sacramento. Albert Givan, City Engineer.

HOLLISTER, San Benito Co., Cal.—Until August 15, 7:30 P. M., bids will be received by D. F. H. McPhail, Town Clerk, for improving West street from Fourth street to west town limits, by grading and paving with concrete, 5 inches thick and constructing cement curbs. Improvement Act 1911. Certified check for 10% payable to Town required. Alfred M. McCray, Town Engineer.

MODESTO, Stanislaus Co., Cal.—The City Council, L. A. Love, Clerk, passes Resolution of Intention 120 to construct approximately 1008.35 ft. 6-in. vitrified pipe sewer in portions of Franklin St., including the construction of brick manholes, lampholes and Ws. Imp. Act 1911. Protests will be heard August 17. Geo. Freitas, City Engineer.

PORTLAND, Ore.—Following disposition was made of bids received by the State Highway Commission for road projects:

Miles Crossing-Skipanon Section in Clatsop County, 1.3 miles grading. Awarded to J. Slotte & Co., Astoria, Ore., at $34,325.

Wilson River-Riverdale Section, Tillamook County, 1.46 miles gravel surfacing. Awarded to Tillamook County Court at $13,842.

Paving of 3 bridges in Clackamas County. Awarded to Warren Constr. Co., Portland, at $5,688.

Chandler Station-Narrows and Passley Section in Lake County, 16.8 miles grading. Awarded to Lake County Court at $57,714.50.

Allen Ranch-Klamath County Line Section, Units 1 and 2 combined. Owing to indications that if projected dam is built Unit No. 1 will be flooded; Unit No. 1 will not be undertaken at present. Unit No. 2 was awarded to Deschutes County Court at $33,895.

Shedd-Halsey Section Linn County, 7.83 miles pavement. Referred to engineer. Low bid submitted by Guy F. Pile, Eugene, Ore., at $255,780.

Oakland City Section, 0.5 miles bituminous pavement. Rejected; ordered re-advertised.

PHOENIX, Ariz.—The City Commission has adopted resolutions of intention for the following street work:

Bitulithic paving with cement concrete base and constructing cement curb and gutter, concrete driveways, etc., in 1st St. bet. Madison and Jefferson Sts.

Concrete paving 6 in. thick and constructing cement curb and gutter, concrete driveways, etc., in Washington St. bet. 5th and 16th Sts.

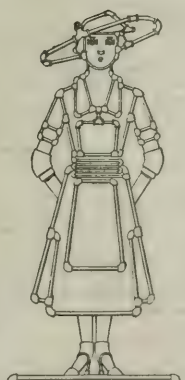
Concrete paving 6 in. thick and constructing concrete curb and gutter in Madison St. from 7th to 8th Sts.; Jefferson St. from 7th to 9th Sts.; and in 8th St. from Madison St. to Washington St.

SAN FRANCISCO.—Until August 17, 3 p. m., bids will be received by Board of Public Works for constructing Section C of the Ocean Beach Esplanade; estimated cost, $140,000. Plans may be had from City Engineer's Office, 3rd floor, City Hall.

SAN BRUNO, San Mateo Co., Cal.—Municipal Improvement Co., 357 12th St., Oakland, awarded contract by Trustees for improving portions of Mills, Masson, Green, San Bruno, Kains and Angus Aves., involving 8000 cu. yds. cut; 298,000 sq. ft. waterbound rock macadam base pavement with asphaltic oil and rock screening surface; 1287 sq. ft. asphaltic oil and rock screening surface on top of existing bridges.

Municipal Improvement Co. also awarded contract to improve portions of Easton, Green, Mastick, Huntington, Angus, Sylvan and Jenevein Aves., involving 4000 cu. yds. cut; 125,800 sq. ft. waterbound rock macadam base pavement with asphaltic oil and rock screenings surface; 515 sq. ft. asphaltic oil and rock screenings surface on top of existing bridges; 60,000 sq. ft. asphaltic concrete pavement, consisting of asphaltic concrete wearing surface 1½ in. thick on a 4-in. concrete base and 7600 sq. ft. asphaltic concrete wearing surface 1½ in. thick on existing concrete structures. Geo. A. Kneese, City Engineer.

MODESTO, Stanislaus Co., Cal.—F. E. Greene, Modesto, awarded contract by Supervisors for surfacing with mastic pavement approximately 5 miles of Waterford road at 9c sq. yd. J. H. Hoskins, County Surveyor.



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Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1610	Eisenbach	Kiernan	1000
1611	Valleau	Weismann	1500
1612	Harder	Owner	5600
1613	Blanco's	Federal	900
1614	Feasey	Feasey	13500
1615	Shell	Owner	1400
1616	Irving	Owner	500
1617	Von Luben	Owner	500
1618	Dunn	Owner	600
1619	Bowers	Owner	3000
1620	Sbrana	Owner	500
1621	De Golia	Owner	995
1622	Dillon	Mullen	1150
1623	Busat	Owner	3000
1624	Blomquist	Owner	1500
1625	St. Ignatius	Uhl	500
1626	Anglo	Hanson	2000
1627	S. F. Riding	Pattinson	1638
1628	Angelteck	Carausa	1000
1629	Jones	Johns	500
1630	Pratt	Owner	3000
1631	Planters	Hoff	2147
1632	Deahl	Johnson	16867
1633	Soprano	Funst	600
1634	Schumachen	Owner	500
1635	Armanini	Sorbi	2875
1636	Goldstein	Thulin	3875
1637	Laurence	Allen	18000
1638	Maneiro	Owner	500
1649	Cahen	Owner	25000
1640	Cale Invst.	Owner	1000
1641	Dixon	Monson	25000
1642	Thomas	Owner	2500
1643	Holzmuller	Hamill	4000
1644	Esetta	Owner	2000

PERMITS

UNDERPIN BLDG.
(1610) N BUSH 60 E Grant Ave. Underpin store building.
Owner— Julius Eisenbach. Flatiron Bldg., San Francisco.
Architect—None.
Contractor—Kiernan & O'Brien. 1756 Mission St., San Francisco. $1000

REPAIRS
(1611) 2808-16 EUGENIA. General repairs to dwellings.
Owner—Mrs. A. L. Valleau, 1721 Vallejo St., San Francisco.
Architect—None.
Contractor—L. W. Weismann & Son, 1951 Market St., S. F. $1500

DWELLINGS
(1612) E FORTY-SIXTH AVE 200 & 225 N Fulton. Two one & one-half story and basement frame dwlgs.
Owner—John Harder, 870 39th Ave., San Francisco.
Architect—None.
Day's work. $2800 each

MARQUISE
(1613) 857 O'FARRELL. Construct & erect marquise.
Owner—Blanco's Inc., Premises.
Architect—None.
Contractor—Federal Electric Co., 91 New Montgomery St., S. F. $900

APARTMENTS
(1614) NW MASON & Ewer Place. Three-story & basement frame (6) apts.
Owner—Mrs. Clarence B. Feasey, 1311 Mason St.
Architect—E. Musson Sharpe, 58 Foute Ave.
Contractor—A. H. Feasey, 1311 Mason Street. $13,500

SERVICE STATION
(1615) NE BATTERY & Jackson Sts. One-story steel gasoline serviec station.
Owner—Shell Co. of Cal., 343 Sansome
Plans by owner.
Day's Work. $1400

ALTERATIONS
(1616) 801 GUERRERO ST. General alterations and repairs for dwlgs.
Owner—B. Irving, 3605 20th St.
Architect—None.
Day's Work. $500

ALTERATIONS
(1617) 1384 JACKSON St. Rearrange plumbing, partitions, etc., for studio.
Owner—Henry Von Luben, 1625 Calif. Street.
Architect—None.
Day's Work. $500

ALTERATIONS
(1618) SE TURK & Larkin Sts. Alterations for 2 2-room apts.
Owner—Dunn-Williams Co., 26 Montgomery St.
Architect—S. Heiman, 57 Post St.
Day's Work. $600

ALTERATIONS
1457 GUERRERO ST. Tar & gravel roof; plaster front; addition of 2 rooms, etc., for 2 flats.
Owner—Ellen M. Farley, 1521 Guerrero
Architect—None.
Contractor—Wm. H. Reedy, 267 Ellsworth St. $3500
NOTE — Recorded contract reported July 29, 1921. No. 1609.

ALTERATIONS
(1619) 115 COMMONWEALTH AVE. General alterations and repairs for residence.
Owner—W. F. Bowers, Clift Hotel, San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $3000

REPAIRS
(1620) 121 CAINE AVE. Repair roof and sides of cottage.
Owner—Mrs. F. Sbrana, Premises.
Architect—None.
Day's work. $500

ALTERATIONS
(1621) 1206 POLK ST. Remodel delicatessen store.
Owner—E. B. De Golia, 460 Montgomery St., San Francisco.
Architect—J. H. Powers, 460 Montgomery St., San Francisco.
Day's work. $995

ALTERATIONS
(1622) 125 MONTGOMERY. Change store front; painting; papering; marble work, etc.
Owner—Tom Dillon, Premises.
Architect—H. P. Vollmer, 406 Flood Bldg., San Francisco.
Contractor—Mullen Mfg. Co., 64-80 Rausch St., Sna Francisco. $1150

DWELLING
(1623) NE SEVENTEENTH AVE AND Wawona. One-story and basement frame dwelling.
Owner—G. Busat, 1235 Hayes St., San Francisco.
Architect—None.
Day's work. $3000

ALTERATIONS
(1624) 414 TWENTY-SEVENTH ST. Alterations and repairs to residence.
Owner—Edward Blomquist, Premises.
Architect—None.
Day's work. $1500

ALTERATIONS
(1625) SW HAYES AND SHRADER. Construct new outlet from classroom to school yard; remove partitions, etc.
Owner — St. Ignatius College, 2211 Hayes St., San Francisco.
Architect—None.
Contractor—George V. Uhl, 742 Central Ave., San Francisco. $500

ALTERATIONS
(1626) E SANSOME 80 W Market. Rearrange mezzanine floor; install Beaver board, etc.
Owner — Anglo-California Trust Co., Premises.
Architect—H. H. Winner Co., 503 Market St., San Francisco.
Contractor—H. J. Hansen, 180 Jessie St., San Francisco. $2000

ALTERATIONS
(1627) 634 STANYAN. Construct riding ring; shingle front of stable, etc.
Owner—S. F. Riding School, Premises.
Architect—P. L. Bush, 101 California St., San Francisco.
Contractor—J. Pattinson, 925 The Alameda, Berkeley. $1638

ADDITION
(1628) 359 TWENTY-THIRD AVE. Addition of 2nd floor to residence.
Owner—Fred Angelteck, Premises.
Architect—None.
Contractor—Joseph Carausa, 420 17th Ave., San Francisco. $1000

ALTERATIONS
(1629) 1917 VALLEJO. Apply asbestos shingles on exterior of residence.
Owner—W. R. Jones, Premises.
Architect—None.
Contractor — Johns-Manville Co., 500 Post St., San Francisco. $500

RESIDENCE
(1630) W THIRTY-SIXTH AVE 100 N Cabrillo. Two-story and basement frame residence.

Owner—J. J. Pratt, 6632 Geary St., San Francisco.
Architect—None.
Day's work. $3000

RECORDED

ALTERATIONS
(1631) SE PACIFIC AND DAVIS. Magnesite work for alterations to Class C building.
Owner—The Planters Nut & Chocolate Campany.
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.
Contractor — Hoff Magnesite Co., Monadnock Bldg., San Francisco.
Filed Aug. 2, '21. Dated July 27, '21.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, $2147
Bond, none. Limit, 14 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported July 19, 1921. No. 1524.

ALTERATIONS
(1632) 3757 WASHINGTON. All work except plumbing, painting and heating for alterations to residence.
Owner—John L. Deahl, Premises.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.
Filed Aug. 2, '21. Dated July 26, '21.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $16,867
Bond, $3757. Sureties, Adam Arras and Richard Ouer. Limit, Dec. 1, 1921. Forfeit, $10. Plans and specifications filed.
NOTE—Permit reported July 27, 1921 No. 1588.

FOUNDATION
(1633) 121 CAINE AVE. Concrete foundation and general repairs for residence.
Owner—Mrs. Soprano, Premises.
Architect—None.
Contractor—W. A. Funst, 2616 San Jose Ave., San Francisco. $600

ADDITION
(1634) 28 KINGSTON AVE. Add kitchen and bath and alter for private garage (residence).
Owner—Minna and Wm. Schumachen, 3394 Mission St., San Francisco.
Architect—None.
Day's work. $500

RESIDENCE
(1635) W LONDON 94 N Amazon. One-story and basement frame residence.
Owner—G. Armanini, Premises.
Architect—None.
Contractor—G. Sorbi, Premises. $2875

RECORDED

ALTERATIONS
(1636) 2062-2064 BUSH. Alterations and additions to two-story flat building.
Owner—S. Goldstein, 1200 Page St., San Francisco.
Architect—None.
Contractor—A. L. Thulin, 242 18th Ave. San Francisco.
Filed Aug. 3, '21. Dated July 2, '21.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $3876
Bond, $1938. Surety, New Amsterdam Casualty Co. Limit, 50 days after July 5. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported July 29, 1921. No. 1604.

APARTMENTS
(1637) NW FOURTEENTH AVE AND Fulton. Two-story and basement frame (4) apartments.
Owner—Mrs. M. Laurence, Cr. Architect
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $18,000

ALTERATIONS
(1638) 1301 MONTGOMERY. Remove partitions; brace floor and ceiling.
Owner—Santiago Maneiro, 108 Alta St., San Francisco.
Architect—None.
Day's work. $500

APARTMENTS
(1639) S PACIFIC 189 E Baker. Three story & basement frame (5) apartments.
Owner—Jos. L. Cahen and James Oppenheim, Chancellor Hotel, S. F.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Day's work. $25,000

ALTERATIONS
(1640) 561 STEVENSON. Replace balconies, shelving, rug racks, etc. damaged by fire (warehouse).
Owner—Cale Investment Co., Phelan Bldg., San Francisco.
Architect—None.
Day's work. $1000

APARTMENTS
(1641) N TURK 68-9 W Jones. Three-story and basement brick store and (2) apartments.
Owner—Emma Dixon, 82 Turk St., San Francisco.
Architect—None.
Contractor—Monson Bros., 251 Kearny St., San Francisco. $25,000

ALTERATIONS
(1642) 1083-1085 LOMBARD. Alter 2 flats for apartments.
Owner—Mrs. Mary Thomas, Cr. Architect.
Architect—Grace Jewett, 57 Post St., San Francisco.
Day's work. $2500

RESIDENCE
(1643) E SIXTEENTH AVE 200 S Geary One-story and basement frame residence.
Owner—Karl F. Holzmullèr, 254 16th Ave., San Francisco.
Architect—Milton Morrison, 716 41st Ave., San Francisco.
Contractor—Thos. Hamill, 5445 Geary St., San Francisco. $4000

ALTERATIONS
(1644) 425 VERMONT. Paint interior and exterior of flats; electric work, plumbing, etc.
Owner—Jack Esetta, 2021 17th St., San Francisco.
Architect—Antonio Pici, Fairfax, Cal.
Day's work. $2000

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Aug. 2, 1921—S SACRAMENTO 192-6 W Octavia W 27-6 x S 132-8¼. Albert Abrams to Louis J Deibel.. .....July 27, 1921
Aug. 2, 1921—27 1-6 FT. LOT 9 and 10 ft. Lot 10 Blk 2. Forest Hill. Chas. E Reinhart to H C Lewis... .....July 30, 1921
Aug. 1, 1921—N GOETTINGEN AND Woolsey NE 60xNW 100 Ptn Lot 5 Blk 21, University Md. Hd. Edward J O'Connor to whom it may concern .....July 30, 1921
Aug. 1, 1921—LOT 17 BLK 3110, Westwood Park. Walter E Hansen to whom it may concern..... .....August 1, 1921
Aug. 1, 1921—LOT 7 BLK 3135; Lot 5 Blk 3135; Lot 3 Blk 3135, Westwood Park. Hans and Esther E Nelson to whom it may concern. .....July 29, 1921
July 30, 1921—W FIRST 94 S Mission, 21x75. Moss Glove & Hosiery Co to Louis J Deibel.....July 29, 1921
July 30, 1921—N HILL 100 E Guerrero E 25xN 114. Victor Bjors to whom it may concern.....July 28, 1921
July 29, 1921—RED CAP Parcel room in Ferry Bldg. Southern Pacific Co. to A. Wegner .....July 22, 1921
July 29, 1921—E BATTERY 40 S Filbert S 80 E 50 N 120 W 25 S 40 W 25. Henry Cowell Lime & Cement Co. to Vukicevich & Bagge .....July 28, 1921
July 29, 1921—LOT 11 Blk 2984 Merritt Terrace. Geo. N. Merritt to J. Prout .....July 25, 1921
July 29, 1921—SE TWENTY-FIRST Ave and California 32x100. M P Storheim and P Midbust to whom it may concern.....July 29, 1921
July 29, 1921—W MONTGOMERY 75 N Post W 160xN 100. The First Nat'l. Bank to J P Holland...July 29, 1921
July 29, 1921 — LOT 24 BLK 16 St. Francis Wood Extn No. 2. St. Francis Wood Co to whom it may concern .....July 25, 1921
July 29, 1921 — LOT 17 BLK 3136 Westwood Park. Walter E. Hanson to whom it may concern.July 29, 1921
July 29, 1921—NE ROLPH 100.77 SE Madrid SE 25 x NE 100 Lot 32 Blk 11 Crocker Amazon Tract. Berardo Marcotullio & wf Isabella to whom it may concern.....July 29, 1921
July 28, 1921—SW FILBERT AND Jones W 137-6 S 137-6 W 50 S 137-6 E 142-6 N 137-6 E 45 N 137-6. Union Terrace Inc to Adam Arras & Co.....July 22, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
Aug. 2, 1921—W THIRTIETH AVE. 237-6 S Clement S 30 x W 120. Uhl Bros. vs A. R. Lapham & Theo H. Lapham $57.91
Aug. 1, 1921—W TWENTY-SECOND Ave. 50 S Cabrillo S 25 x W 120 Uhl Bros. vs R. Monson.....$74
July 30, 1921—NW JERSEY & VICKSburg N 25-4xW 100. Wm A Hayes vs Edward Sullivan and A G Hathcock $61
July 29, 1921—NW BRODERICK & Waller. The Greater City Lumber Co. vs S. Ella Long.....$28.25

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded — Amount

Aug. 1, 1921—N SUTTER 167-3 W Van Ness Ave W 57-6xN 120. Reinhart Lumber & Planing Mill Co to Mendel Weisbleet and Anetta Wise

July 29, 1921 — W GENESEE 125 S Staples Ave. S 25 x W 100. Eureka Sash Door & Moulding Mills to Leota Hock & Peder S. Carlson...

Notice of Non-Responsibility

SAN FRANCISCO COUNTY.

July 30, 1921—S PAGE 165-2⅛ E Gough. Martin Investment Co as to improvements on property.....

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2566	Shipley	Shipley	1500
2567	Chapman	Chapman	700
2568	Nelson	Johnson	1200
2569	Ament	Texdahl	3500
2570	Ey	Bulman	2500
2571	Palina	Wright	1000
2572	Brown	Hollenbeck	475
2573	Housken	Peterson	7000
2574	Markwell	Owner	800
2575	Wilson	Cushman	2600
2576	S. F. & O. T. Ry	Owner	435
2577	Baletrin	Cicero	500
2578	Peppin	Owner	4200
2579	Same	Same	4100
2580	Graves	Owner	3000
2581	Lancaster	Holzenberg	665
2582	Kessler	Walworth	700
2583	Smith	Owner	900
2584	Labarthe	Allen	750
2585	Baker	McKibben	500
2586	Cain	McCullough	5500
2587	Wilson	Almquist	4000
2588	Marquis	Owner	3000
2589	Parker	Owner	800
2590	McGurrin	Johnson	4000
2591	Newman	Gelder	500
2592	Allison	Owner	4000
2593	Gerard	Valley	800
2594	Elwart	Owner	4000
2595	Hufschmidt	Ferrall	1200
2596	Toors	Tranmal	850
2597	Deuble	Atterbery	3000
2598	Bergeson	Owner	1000
2599	Orton	Owner	750
2600	Vad	Owner	1200
2601	Hersey	Gilson	750
2602	Donnellan	Legault	1000
2603	Lesure	Owner	5000
2604	Parr	Owner	3500
2605	City Okd.	Faulkes	3400
2606	City Okd.	Owner	1700
2607	Thomas	Owner	1500
2608	McDonald	Stolte	1450
2609	Barton	Owner	4000
2610	Booth	Warner	2500
2611	Medan	Baughman	4500
2612	Truman	McGinty	5062
2613	Lithin	Blucher	2794
2614	Montgomery	Griffin	4200
2615	Moskow	Owner	450
2616	Crowley	Grant	1250
2617	Harden	Owner	7600
2618	Younger	Allen	500
2619	Larsen	Cederborg	5000
2620	Perry	Davis	3500
2621	Williams	Owner	2500
2622	Bacheller	Nunes	5000
2623	Brasch	Owner	4750
2624	MacGregor	Owner	3500
2625	Abbott	MacGregor	3000
2626	Naylor	Hendrickson	5000
2627	Hemenway	Hemenway	4000
2628	Houck	Owner	5000
2629	Sanford	Owner	500
2630	Arena	Rose	455
2631	Randall	Owner	450
2632	Reed	Williams	5000
2633	Glazer	Johanson	3900
2634	Johnson	Goodrich	12100
2635	Eyre	Owner	700
2636	Jordan	Owner	3000
2637	Hardman	Henderson	4200
2638	Newbert	Wright	700
2639	Delwlin	Hambleton	750
2640	Lesser	Long	7000
2641	Alameda	Clinton	546000
2642	Brookes	Owner	4000
2643	Loring	Hull	965
2644	Charlton	MacGregor	450
2645	Hammer	Muller	1800
2646	Dwarte	Morris	850
2647	Brown	Stenbro	3500
2648	Kennedy	Gold	500
2649	Oley	Owner	3000
2650	Straub	Owner	1800
2651	Alder	Blabon	1800
2652	Oakland	Faulkes	1400
2653	Same	Same	2800
2654	Klein	Corbett	475
2655	Claussenius	Townsend	3050

PERMITS

DWELLING
(2566) W BROWN AVE. 75 N Calif., Oakland. One-story 4-room dwlg.
Owner—Mrs. E. D. Shipley, 3867 Brown Ave., Oakland.
Architect—None.
Contractor—D. O. Shipley. $1500

ADDITION
(2567) 2602 ELEVENTH AVE., Okd. Addition.
Owner—Mrs. H. E. Chapman, premises.
Architect—None.
Contractor—C. P. Chapman, premises. $700

ALTERATIONS
(2568) 60 HAMILTON PLACE, Okd. Alterations.
Owner—F. W. Nelson.
Architect—None.
Contractor—Louis Johnson, 223 Greenback Ave., Piedmont. $1200

DWELLING
(2569) W HIGH ST. 1000 N Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—E. N. Ament, 2820 Prince St., Oakland.
Architect—None.
Contractor—C. Texdahl, 5375 Belgrave Place, Oakland. $3500

STORE
(2570) S HOPKINS ST. 40 E Dimond Ave., Oakland. One-story 3-room store.
Owner—H. E. Ey, 1676 73rd Ave., Okd.
Architect—None.
Contractor — P. J. Bulman, 2412 Palmetto St., Okd. $2500

ALTERATIONS
(2571) 1110 JONES AVE., Oakland. Alterations.
Owner—M. Palina.
Architect—None.
Contractor—J. J. Wright, 1429 Ausean Ave., Oakland. $1000

GARAGE
(2572) 295 PERKINS ST., Oakland. Garage.
Owner—O. F. Brown.
Architect—None.
Contractor—G. B. Hollenbeck, 308 Richmond Ave., Oakland. $47

DWELLING
(2573) SW SIXTY-SEVENTH AVE. 8 Arthur St., Oakland. One-story 6-room dwelling.
Owner—Geo. Housken, Berkeley.
Architect—None.
Contractor—A. H. Peterson, 1st Nat'l Bank Bldg., Berkeley. $700

REPAIRS
(2574) 2238 THIRTY-NINTH AVE. Oakland. Fire repairs.
Owner—A. I. Markwell, Premises.
Architect—None.
Day's work. $30

DWELLING
(2575) N D ST. 450 W Jones Ave., Oakland. One-story 4-room dwelling
Owner—Mrs. Paul N. Wilson, S. F.
Architect—None.
Contractor—C. A. Cushman, 1675 85th Ave., Oakland. $260

ALTERATIONS
(2576) SE FIFTY-FIRST & SHATtuck Ave., Oakland. Alterations.
Owner—S. F. & O. T. Railway.
Architect—None.
Day's work. $43

ADDITION
(2577) 829 FORTY-THIRD ST., Oakland. Addition.
Owner—E. Baletrin.
Architect—None.
Contractor— Cicero & Raineri, 412 Market St., Oakland. $50

DWELLING
(2578) S RAWSON AVE 240 E Brookdale, Oakland. One-story 6-room dwelling.
Owner — J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $420

DWELLING
(2579) S RAWSON AVE 200 E Brookdale, Oakland. One-story 6-room dwelling.
Owner — J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $410

DWELLING
(2580) E SIXTY-SIXTH AVE 100 N Flora St., Oakland. One-story five-room dwelling.
Owner—M. P. Graves, 585 20th St. Oakland.
Architect—None.
Day's work. $300

ALTERATIONS
(2581) 517-523 SEVENTEENTH ST. Oakland. Alterations.
Owner—Lancaster & Havens.
Architect—None.
Contractor—H. Holzenberg, 358 10th St., Oakland. $66

ALTERATIONS
(2582) 1537-39 TELEGRAPH AVE. Oakland. Alterations.
Owner—Kessler Bros., 819 Washington St., Oakland.
Architect—None.
Contractor—Walworth & Watty, 92 Jefferson St., Oakland. $70

DWELLING
(2583) W NINETIETH AVE 36 Dowling, Oakland. One-story 4

room dwelling.
Owner—H. P. Smith, 8921 Dowling St., Oakland.
Architect—None.
Day's work. $900

(2584) 2727 RUSSELL ST., Berkeley. Alterations.
Owner—Jules Labarthe, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley. $750

ALTERATIONS
(2585) 2418 SHATTUCK AVE., Berkeley. Alterations.
Owner—A. Baker, 2577 Shattuck Ave., Berkeley.
Architect—None.
Contractor—C. H. McKibben, 616 28th St., Oakland. $500

DWELLING
(2586) N ADAMS 532 E Lee, Oakland. One-story 6-room dwelling.
Owner—Mrs. M. Cain.
Architect—None.
Contractor—H. McCullough & Son, 2164 Allston Way, Berkeley. $5500

DWELLING
(2587) NE BROOKDALE & KINGSland, Oakland. One-story three-room dwelling and store.
Owner—T. H. Wilson, 3246 King St., Berkeley.
Architect—None.
Contractor—John Almquist, 5556 Trask St., Oakland. $4000

DWELLING
(2588) W CONGRESS 400 W Ygancio, Oakland. One-story 5-room dwlg.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(2589) N CALAVERAS AVE 500 E Summit Drive, Oakland. One-story 3-room dwelling.
Owner—C. F. Parker, Cor. Huntington and Fair Sts., Oakland.
Architect—None.
Day's work. $800

DWELLING
(2590) N FOOTHILL BLVD. bet. 55th Ave. and Laverne, Oakland. One-story 6-room dwelling.
Owner—F. E. McGurrin, 1st Savings Bank Bldg., Oakland.
Architect—None.
Contractor — O. R. Johnson, 9978 Stearns Ave., Oakland. $4000

ADDITION
(2591) 757 FORTY-SEVENTH ST., Oakland. Addition.
Owner—Mrs. Newman.
Architect—None.
Contractor—John Gelder, 4525 West St., Oakland. $500

DWELLING
(2592) W JEAN 170 N Santa Clara Ave., Oakland. One-story 6-room dwelling.
Owner—C. H. Allison, 34 Brookside St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(2593) N MADELINE 350 N Myrtle, Oakland. One-story 4-room dwlg.
Owner—J. J. Gerard, 3322 Champion St., Oakland.
Architect—None.
Contractor—H. L. Valley. $800

DWELLING
(2594) OAK KNOB ROAD, Leona Heights, Oakland. One-story six-room dwelling.
Owner—H. A. and B. Elwart, 757 Pacific Ave., Alameda.
Architect—None.
Day's work. $4000

REPAIRS
(2595) 1739 SEVENTH ST., Oakland. Fire repairs.
Owner—Mrs. Hufschmidt.
Architect—None.
Contractor—E. J. Ferrall, 1112 Peralta St., Oakland. $1200

REPAIRS
(2596) 269 SANTA CLARA AVE., Okd. Fire repairs.
Owner—Mrs. E. S. Toors, 794 Haight St., S. F.
Architect—None.
Contractor—E. Tranmal, 483 Crescent St., Oakland. $850

DWELLING
(2597) S SUTTER ST. 240 E Eastman, Oakland. One-story 4-room dwlg.
Owner—C. D. Deuble, 560 31st St., Okd.
Architect—None.
Contractor—A. R. Atterbery, 2039 42nd Ave., Okd. $3000

SERVICE STATION
(2598) NW SIXTY-FIFTH ST. & San Pablo, Oakland. One-story steel service station.
Owner—N. Bergeson, 6432 San Pablo, Oakland.
Architect—None.
Day's Work. $1000

ADDITION
(2599) NE SIXTY-EIGHTH AVE AND Trenor St., Oakland. Addition.
Owner—A. E. Orton.
Architect—None.
Day's work. $750

ALTERATIONS
(2600) 686 THIRTY-THIRD ST., Oakland. Alterations and additions.
Owner—C. N. Vad, 2012 Jackson St., San Francisco.
Architect—None.
Day's work. $1200

ADDITION
(2601) 326 TWENTY-FIRST ST., Oakland. Additino.
Owner—F. Hersey.
Architect—None.
Contractor—J. E. Gilson, 180 Jessie St., San Francisco. $750

ADDITION
(2602) 2911 WEST ST., Oakland. Addition.
Owner—Ella Donnellan, 2907 West St., Oakland.
Architect—None.
Contractor—O. Legault, 3044 Market St., Oakland. $1000

DWELLING
(2603) W BRIDGE ROAD bet Alvarado Road and Tunnel Road, Berkeley. Two-story 6-room dwelling.
Owner—E. T. Lesure, 2515 Russell St., Berkeley.
Architect—None.
Day's work. $5000

DWELLING
(2604) NW ALAMEDA AND MARIN, Berkeley. One-story 6-room dwlg.
Owner—S. C. Parr, 956 Shattuck Ave., Berkeley.
Architect—None.
Day's work. $3500

SCHOOLS
(2605) BOSTON & School Sts., Okd. Two 1-story 1-room schools.
Owner—City of Oakland.
Architect—None.
Contractor — John R. Faulkes, 9828 E-14th St., Okd. $1700 each

SCHOOL
(2606) THIRTY-NINTH AVE. & Carrington St., Okd. One-story 1-room school.
Owner—City of Oakland.
Architect—None.
Contractor — John R. Faulkes, 9828 E-14th St., Okd. $1700

DWELLING
(2607) N FAIR 3 blocks NW Mills College, Okd. One-story 6-room dwelling.
Owner—W. T. Lomas, Fair Ave., Okd.
Architect—None.
Day's Work. $1500

ALTERATIONS
(2608) NW MONTANA ST. & Laguna Ave., Okd. Alterations and additions.
Owner—Mrs. McDonald.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Okd. $1450

DWELLING
(2609) MASONIC AVE. in Montclair, Okd. One-story 7-room dwelling.
Owner—Geo. Edwin Barton.
Architect—None.
Day's Work. $4000

ALTERATIONS
(2610) 928 SIXTEENTH ST., Oakland. Alterations.
Owner—C. S. Booth, 375 Euclid Ave., Oakland.
Architect—None.
Contractor — S. A. Warner, 1508 49th Ave., Okd. $2500

DWELLING
(2611) W TWENTY-EIGHTH AVE. 300 N E-16th St., Okd. One-story 6-room dwelling.
Owner—H. O. Medan, 708 5th Ave., Okd.
Architect—None.
Contractor—J. W. Baughman, 1627 5th Ave., Okd. $4500

RECORDED

GARAGE
(2612) S THIRTIETH ST. 127.08 W Telegraph Ave. W 40 x 73.06, Okd. One-story reinforced concrete garage.
Owner — C. H. J. Truman Co., 2935 Telegraph Ave., Okd.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor — W. G. McGinty & Sons, 2506 Keith, Bkly.
Filed Aug. 2, 1921; dated Aug. 2, 1921.

Trusses & forms completed	$1000
Concrete placed in walls	1100
Concrete floor in	1350
Completed and accepted	412
Usual 35 days	1300
TOTAL COST,	$5062

Bond, none. Forfeit, $5 day. Limit, 45 days. Plans and specifications filed.

DWELLING
(2613) 1005 SPRUCE ST. being W ptn Lot 28 Blk 2 Map North Cragmont, Bkly. One-story frame dwelling.
Owner—Anna Lithin, Bkly.
Architect—Not given.
Contractor — Edmund G. & Clarence Blucher, 451 Van Dyke Ave., Okd.
Filed Aug. 2, 1921; dated June 20, 1921.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $2794
Bond, none. Forfeit, $5 day. Limit, 90 days after June 21. Plans and specifications filed, none.
NOTE—Permit reported June 23, 1921. No. 2130.

STORES
(2614) NW FORTIETH ST. & Telegraph Ave., Okd. One-story frame stores.
Owner — Richard J. Montgomery, 420 15th St., Okd.
Architect—Not given.
Contractor—C. M. Griffin, 746 5th Ave., Oakland.
Filed Aug. 1, 1921; dated May 15, 1921. 1st, 2nd and 3rd payments not given.
Usual 35 days $1050
TOTAL COST, $4200
Bond, none. Forfeit, none. Limit, July 31. Plans and specifications filed.

ALTERATIONS
(2615) 1912 BROADWAY, Alameda. Alterations.
Owner — E. Moskow, 924 Grove St., San Francisco.
Architect—None.
Day's work. $450

ALTERATIONS
(2616) 2040 CLINTON AVE., Alameda. Alterations.
Owner — A. E. Cowley, 2042 Clinton Ave., Alameda.
Architect—B. J. S. Cahill, Easton Bldg., Oakland.
Contractor—C. N. Grant, 764 56th St., Oakland. $1250

DWELLINGS
(2617) 2515 AND 2519 ENCINAL AVE. Alameda. Two one-story 6-room dwellings.
Owner—Harden & Groden, 1578 Sanchez St., San Francisco.
Architect—None.
Day's work. $3800 each

ALTERATIONS
(2618) 2519 ETNA, Berkeley. Alterations.
Owner—C. B. Younger, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley. $500

DWELLING
(2619) W FRESNO AVE 151 S Monterey, Berkeley. One-story 6-room dwelling.
Owner—Emma O. Larsen.
Architect—None.
Contractor—A. Cederborg, 1445 E-37th St., Berkeley. $5000

DWELLING
(2620) 1436 OXFORD ST., Berkeley. One-story 5-room dwelling.
Owner—W. R. Perry.
Architect—None.
Contractor—Davis & Davis, 1902 Henry St., Berkeley. $3500

DWELLING
(2621) 1311 SIXTY-SIXTH ST., Berkeley. One-story 5-room dwlg.
Owner—Walter Williams, 1221 Ward St., Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(2622) HARVARD ROAD, Piedmont. Two-story frame dwelling and garage.
Owner—D. H. Bacheller, 530 41st St., Oakland.
Architect—None.
Contractor—Geo. W. Nunes, 5430 Dover St., Oakland. $5000

DWELLING
(2623) 105 PALA AVE., Piedmont. One-story frame dwelling.
Owner—M. P. Brasch, 2734 Ashby Ave., Berkeley.
Architect—None.
Day's work. $4750

DWELLING
(2624) PALA AVE., Piedmont. One and one-half-story dwelling.
Owner—Miss Dorothy MacGregor.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $3500

DWELLING
(2625) SCENIC AVE., Piedmont. One and one-half-story frame dwelling and garage.
Owner—Park and Joan Abbott.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $3000

SCHOOL
MAGNOLIA AVE., Piedmont. Concrete high school.
Owner—Piedmont School District.
Architect—Weeks & Day, 57 Post St., San Francisco.
Contractor—H. J. Christensen, 351 12th St., Oakland. $171,551
NOTE:—Recorded contracts reported May 5, 1921.

DWELLING
(2626) E ALVARADO ROAD near Hotel Claremont, Oakland. One & one-half story 6-room dwelling.
Owner—Mrs. N. W. Naylor.
Architect—None.
Contractor—A. Hendrickson, 755 60th St., Oakland. $5000

DWELLING
(2627) E DIVISION ST. 50 S Everett Ave., Oakland. One-story 6-room dwelling.
Owner—Dora W. Hemenway, 390 63rd St., Oakland.
Architect—None.
Contractor—Edwin A. Hemenway. $4000

DWELLING
(2628) E EVANS AVE. 180 S Everett Ave., Oakland. One-story 7-room dwelling.
Owner—H. L. Houck, 4452 Evans Ave., Oakland.
Architect—None.
Day's Work. $5000

DWELLING
(2629) E FOREST HILL AVE. (Fruitvale Extension), Oakland. One-story 4-room dwelling.
Owner — Fred L. Sanford, 2121 45th Ave., Oakland.
Architect—None.
Day's Work. $500

ALTERATIONS
(2630) 533 SIXTEENTH ST., Oakland. Alterations.
Owner—Arena & Pollard.
Architect—None.
Contractor—A. H. Rose, 525 17th St., Oakland. $455

ADDITION
(2631) 2733 THIRTY-FIFTH AVE., Oakland. Addition.
Owner—T. C. Randall.
Architect—None.
Day's Work. $450

GARAGE
(2632) S TWENTY-FIFTH ST. 182 E Telegraph, Oakland. One-story concrete garage.
Owner — John L. Reed, 434 36th St., Oakland.
Architect—None.
Contractor — Chas. C. Williams, 1524 Franklin St., Oakland. $5000

DWELLING
(2633) SW BYRON & Cowper being Lot 6 Blk F Bryant Tract, Bkly. One-story frame dwelling.
Owner—Max & Rica Glazer, 2211 Byron St., Bkly.
Architect—Not given.
Contractor — Gustaf Johanson, 1357 Northside Ave., Bkly.
Filed Aug. 3, 1921; dated May 5 ,1921.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3900
Bond and forfeit, none. Limit 75 days. Plans and specifications ,none.
NOTE—Permit reported May 14, 1921. No. 1700.

DWELLING
(2634) NE MENDOCINO AVE AND Indian Rock Path, Berkeley. All work except heating, electric fixtures and wall paper for two-story and basement frame dwelling.
Owner—Grover C. Johnson, Berkeley.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Doney H. Goodrich, Bkly.
Filed Aug. 3, '21. Dated July 27, '21.
Frame up $2268.75
Plumbing and electric work roughed in 2268.75
Plastered 2268.75
Completed and accepted..... 2268.75
Usual 35 days..... 3025.00
TOTAL COST, $12,100.00
Bond, $6100. Surety, Florence L. Porter Limit, 80 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(2635) 2919 FLORENCE, Berkeley. Alterations.
Owner—M. G. Eyre, 2511 Derby St., Berkeley.
Architect—None.
Day's work. $700

DWELLING
(2636) S HOPKINS 98 E Milvia, Berkeley. One-story 5-room dwelling.
Owner—Jordan & Zeile, 10836 Hortense St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2637) N MARIN AVE 150 S Indian Rock Ave., Berkeley. One-story 5-room dwelling.
Owner—J. R. Hardman, 1307 Magnolia St., Berkeley.
Architect—None.
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland. $4200

REPAIRS
(2638) 2909 NEWBURY AVE., Berkeley. Fire repairs.
Owner—Newbert, Patterson, Calif.
Architect—None.
Contractor—Curtis Wright, 2435 Haste St., Berkeley. $700

ADDITION
(2639) 1628 TYLER, Berkeley. Addition.
Owner—Delwlin, Premises.
Architect—None.
Contractor—Fred Hambleton, 3737 13th Ave., Oakland. $750

STOREROOM
(2640) N UNIVERSITY AVE 150 E Shattuck Ave., Berkeley. One-story concrete storeroom.
Owner—Lesser Bros., 2119 University Ave., Berkeley.
Architect—None.
Contractor—R. O. Long Co., 2114 Shattuck Ave., Bkly. $7000

HOSPITAL
(2641) FOURTEENTH AVE & VALlecito Place, Oakland. Reinforced concrete hospital.
Owner—County of Alameda.
Architect—Henry Meyers, Kohl Bldg., San Francisco.
Contractor — Clinton Constr. Co., 140 Townsend St., San Francisco. $546,000

DWELLING
(2642) S CALIFORNIA 400 W Maple Ave., Oakland. One-story 6-room dwelling.
Owner—W. R. Brookes, 2900 Madeline St., Oakland.
Architect—None.
Day's work. $4000

OFFICE
(2643) W COLLEGE 40 S Miles Ave., Oakland. One-story 2-room office.
Owner—Elizabeth Loring, 5679 College Ave., Oakland.
Architect—None.
Contractor—W. E. Hull, 5410 College Ave., Oakland. $965

GARAGE
(2644) 1367 EL CENTRO, Oakland. One-story concrete garage.
Owner—Patricca Charlton.
Architect—None.
Contractor—C. M. MacGregor, 410 13th St., Oakland. $450

FACTORY
(2645) S E-TWELFTH 300 E 26th Ave., Oakland. One-story factory.
Owner—Hammer Bray Co.
Architect—None.
Contractor—F. A. Muller, Syndicate Bldg., Oakland. $1800

ADDITION
(2646) 1206 EIGHTY-SECOND AVE., Oakland. Addition.
Owner—Antonio Dwarte.
Architect—None.
Contractor—C. G. Morris, 2850 E-9th St., Oakland. $850

STORE, ETC.
(2647) NE HOPKINS AND ARDLEY, Oakland. Two-story store and dwelling.
Owner—Chas. Brown, 1707 Broadway, Oakland.
Architect—None.
Contractor — A. Stenbro, 1717 Broadway, Oakland. $3500

ADDITION
(2648) 359 ORANGE, Oakland. Addition.
Owner—Mrs. E. B. Kennedy.
Architect—None.
Contractor—F. E. Gold, 731 Cleveland St., Oakland. $500

DWELLING
(2649) N OUTLOOK AVE 125 E Seminary Ave., Oakland. One-story 6-room dwelling.
Owner—John N. Oley.
Architect—None.
Day's work. $3000

DWELLING
(2650) W 105TH AVE 400 N E-14th, Oakland. One-story 4-room dwlg.
Owner—Gus Straub, 3236 Foothill Blvd., Oakland.
Architect—None.
Day's work. $1800

DWELLING
(2651) E SIXTY-THIRD AVE 200 N Avenal, Oakland. One-story four-room dwelling.
Owner—Emma Alder, 570 Athol Ave., Oakland.
Architect—None.
Contractor—E. R. Blabon, 2482 63rd Ave., Oakland. $1800

SCHOOL
(2652) E SEVENTEENTH AND 23rd Ave., Oakland. One-story 1-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. $1400

SCHOOLS
(2653) E TWENTY-EIGHTH & 24th Ave., Oakland. Two one-story one-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. $1400 each

ALTERATIONS
(2654) 413 THIRTEENTH ST., Oakland. Alterations and repairs.
Owner—M. Klein.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. $475

RECORDED

APARTMENTS
(2655) NE ALAMEDA AVE. AND Union, 73x100, Alameda. Brick work, except flue lining for three one-story apartments.
Owner—M. Claussenius, 1813 Alameda Ave., Alameda.
Architect—Sidney B. & Noble Newsom Nevada Bank Bldg., San Francisco
Contractor—C. H. Townsend & Martin Back, 3825 Allendale St., Okd.
Filed Aug. 4, '21. Dated Aug. 3, '21.
One-half completed $1142
Completed 1143
Usual 35 days..... 765
TOTAL COST, $3050
Bond, none. Limit, without delay. Forfeit, $5. Plans and specifications, none.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Aug. 2, 1921—NO. 716 LONGRIDGE Road, Oakland. V H Owen to Thos Cuthbertson.....July 14, 1921
Aug. 2, 1921—E SEVENTY-FOURTH Ave 874 N E-14th E 135xS 40, Okd. Marie E Learmond to C A Kingsley .....Aug. 1, 1921
Aug. 2, 1921—NW PTN LOT 19 BLK B, Piedmont Knoll, Oakland. Fred E Bailey to whom it may concern .....Aug. 2, 1921
Aug. 1, 1921—SE MONTCLAIR AVE 162.60 NE Cleveland Ave NE 40xSE 206, Oakland. Jane C Nourse to Edward F Henderson..July 30, 1921
Aug. 1, 1921—LOT 52 BLK 6, Map Ptn Berkeley Property, Berkeley. Edward Schwerin to S Morris..... .....July 29, 1921
Aug. 1, 1921—TWENTY-FIRST and Bdwy. 35th Ave. & Foothill Blvd. 12th & Webster Sts. San Pablo Ave. & Market St. College & Bdwy. all in Okd. Shattuck Ave. & Haste St. Bkly. Encinal & Central Aves Alameda. Associated Oil Co. to Bay Elec. Co. .....July 25, 1921
July 30, 1921—N 20 LOT 31 and S 15 Lot 32 Blk C, Map Alton Park, Oakland Tp. Pearl Gray to Thomas Griffiths.....July 29, 1921
July 30, 1921—SW TWELFTH AND Broadway S 100xW 100, Okd. Levy Estate Co to Barrett & Hilp..... .....July 25, 1921
July 30, 1921—NO. 2900 ENCINAL Ave., Alameda. E C Maillot (Building Inspector) to whom it may concern .....
July 30, 1921—PTN LOT 1 BLK T, Revised Map Oakland Heights, Okd. Lillian E Westdorf (wf Vincent H) $4000
July 29, 1921—NW E-FOURTEENTH St. 395-9 NW 27th Ave. NW 28 NE 160, Okd. Mrs. J., Pauline & John Plasonig to Joe Boeddecker..... .....July 11, 1921
July 29, 1921—LOTS 8, 9 & PTN Lot 7 Blk E Map No. 2 Highlands Ter., Oakland. W. C. Morse by James W. Plachek to C. H. Warren..... .....July 25, 1921
July 29, 1921—W FOURTH ST. 307-14 S Bancroft Way, Bkly. Pac. Spring Bed Co. by James W. Plachek to Barrett & Hilp.....July 25, 1921
July 29, 1921—LOT 6 Map Brookside Manor, Oakland. Robt. Land to whom it may concern...July 27, 1921
July 29, 1921 — LOT 16 Blk 1 Lakeshore Highlands Tract, Okd. Wm. MacDonald, Jr., to Fred N. Strang .....July 28, 1921
July 28, 1921 — PTN LOTS 34 & 35 Blk A Map East Piedmont Heights, Okd. Earl B. Leonard to whom it may concern .....July 27, 1921
July 28, 1921—SW FORTY-SIXTH & Market Sts., Okd. Geo. A. Fleckenstein to whom it may concern.... .....July 28, 1921
July 27, 1921—LOT 15 Walker Bradhoff Tract, Okd. S. Usevich to whom it may concern..July 27, 1921

Notice of Non-Responsibility

ALAMEDA COUNTY

July 27, 1921 — 3276 ADELINE ST., Bkly. Chas. E. Bancroft as to improvements on property.

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

Aug. 1, 1921—W PERKINS ST. 167½ N Van Buren Ave. N 42½ NW 154.56 S 34.935 E to pt begin, Okd. J. W. Realy vs Mary Salmon....$122

July 30, 1921—N E-FOURTEENTH 321.75 E 25th Ave E 28xN 300, Okd. John Nothduift & F B Ehlers vs J and Marie P Plasonig and J Boeddeker $480

July 29, 1921—W VERNON 46.30 S Santa Clara Ave NW 113.17 SW 40.72 SE 112.33 N 42, Okd. Hogan Lumber Co, $225.19; W D Hubbard, $48 vs Emily C and Geo C Bornemann and R H Wells.....

July 28, 1921—W VERNON 46.30 S Santa Clara Ave NW 113.17 SW 42.72 SE 112.33 N 42, Oakland. O K Brown (The Hoosier Store), $25.40; F M Dreisbach (Zenith Mill & Lumber Co), $73.30; W C Rigler (Dow C Golden Co), $27.50; I M Toalson (Alameda Hardwood Floor Co), $46; G M Tuley (Hopkins Street Hardware Co), $19.81; John P Maxwell (Maxwell Hardware Co), $55.52; R J York, $160; Walter Miller, $100; W E Maas (Maas Electric Co), $58 vs R H Wells, Emily C and Geo C Bornemann .....

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

Aug. 2, 1921—LOTS 11 AND 12 BLK 9 Map Regents Park, Albany. John Riddle to John F and Freda M Brown $46.50

July 30, 1921—S HOPKINS 192.84 E Champion E 50xS 79.75, Oakland. Voncent J Donovan to T L Wand.. ..... $222.75

HOMESTEADS

ALAMEDA COUNTY

Aug. 1, 1921—PTN LOTS 10 AND 14 Blk E, Map Lincoln Park, Piedmont. Earl R Burris $5000

Aug. 1, 1921—LOTS 18, 19, 20 BLK 2, Plat Cerrito Hill, Albany. Olga G Mahlman (wf William G).....$7000

Aug. 1, 1921—LOT 14 BLK 6, Brookdale Terrace, Oakland. John and Florence Nightingale Hampson.$4000

Aug. 1, 1921—LOT 2 BLK C Map Scenic Boulevard Knoll, Oakland. Beatrice K Harris (wf James I) $5000

Aug. 2, 1921—E COLLEGE AVE 123.58 S Alcatraz Ave NE 136.72 NW 40.25 SW 124.89 S 42, Berkeley. Alice E Kniep (wf B F).....$8000

July 29, 1921—W line Blk C 21.42 SW — N Cor. Blk C Map McNeill Tract SW 12.03 SW 48.51 NW 202.04 NE 60 SE 202.47, Oakland. Laura Bernice Cookney (wf Theodore J).....$800

July 29, 1921—PTN BLK B Map Town of Pleasanton, Pleasanton. Ambrose and Rose Rivolta.....$5000

July 29, 1921—SE BANCROFT WAY and Fulton S 44xE 100, Berkeley. George Allen Dow $5000

July 29, 1921—LOT 1 BLK L, Map Santa Fe Tract No. 3, Oakland. Florence O'Neil (wf Edmund)..$4000

July 29, 1921—LOT 15 Map Lake Shore Park Heights, Oakland. Lucile A Barnett(wf Henry M).$5000

July 27, 1921—NE SUNNYSIDE ST. 140 SE 92nd Ave. SE 90 NE 212.02 N W90 SW 212.21, Okd. Worthington K. & Grace V. Garrettson..$5000

July 28, 1921—SE ½ Lot 50 Map Piedmont Manor, Piedmont. E. M. Bartlett $5000

BUILDING CONTRACTS

SANTA CLARA COUNTY

HIGH SCHOOL
SANTA CLARA. All work for 2-story concrete high school building.
Owner — Board of Education, Santa Clara High School District, Santa Clara, Cal.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Morrison Bros., Santa Clara, Cal.
Filed July 29, 1921; dated July 20, 1921
As work progresses 75%
Usual 35 days 25%
TOTAL COST, $73,236
Bond, $73,236. Sureties, R. T. Pierce and James H. Pierce. Forfeit, $10 day. Limit, 180 working days from date of instrument. Plans and specifications filed.

ALL SPECIAL FURNITURE AND FIXtures installed complete including all electrical work, plumbing work, glas, fibrestone, hardware, etc., on above.
Contractor—Pacific Mfg. Co., 177 Stevenson St., Sa nFrancisco.
Payments same as above.
TOTAL COST, $15,250
Bond, $15,250. Sureties, Robt. A. Fatjo & Geo. A. Patton. Forfeit, none. Limit, 100 working days after date of instrument. Plans and specifications filed.

LOCATION NOT GIVEN. Construct right-of-way fences, wing fences and install gates along the W. P. R. R. Co. right-of-way known as the San Jose Branch, which branch extends from Niles to and in San Jose.
Owner—Western Pacific Railroad Co., Mills Bldg., San Francisco.
Architect—None.
Contractor—McClay & Dunlap (a copartnership), 563 S-Tenth St., San Jose.
Filed July 30, '21. Dated July 22, '21.
As work progresses..... 25%
60 days after.....Balance
TOTAL COST, $5000
Bond, $2500. Sureties, Fred M. Stern and A. R. McClay. Limit, 60 working days from date of contract. Forfeit, none. Plans and specifications filed.

DWELLING
EMPIRE AVE. near 14th, San Jose. Ready cut dwelling.
Owner—Walter Palmer.
Architect — G. Ellis Nichols, Alviso Road, San Jose.
Day's Work. $3800

ALTERATIONS
FIRST & ST. JOHN, San Jose. Alterations.
Owner—Western Title Insurance Co.
Archt. & Contractor—M. G. West Co., 115 Front St., San Jose. $3975

COTTAGE
THIRD & KEYES, San Jose. Fourroom cottage.
Owner—Will Jessup.
Architect—Owner.
Day's Work. $1990

ALTERATIONS
81 W SANTA CLARA, San Jose. Alter front.
Owner — San Jose Building. & Loan, premises.
Archt. & Contractor, F. Thomy, 605 S. 11th St., San Jose. $975

ALTERATIONS
380 S NINTH, San Jose. Alterations.
Owner—J. M. Crane.
Architect—None.
Contractor—S. Huxtable. $850

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted

Aug. 2, 1921—PALO ALTO. John J and Edward P Cashel to Joseph Pasqualetti.....July 29, 1921

Aug. 2, 1921—SAN JOSE. Eleanor Tegen to whom it may concern.. .....August 1, 1921

Aug. 2, 1921—PART LOT 11 BLK 15, Hanchett Residence Park, San Jose. A K Burkett to whom it may concern .....August 1, 1921

July 30, 1921—LOT 11, O'Bourn Addition to the Town of Sunnyvale. William E Knight to whom it may concern.....June 12, 1921

LIENS FILED

SANTA CLARA COUNTY.

Recorded Amount

Aug. 2, 1921—VIEW ST. between Mt. Hamilton and Edith Aves being 1 acre Lot 7 in Los Altos Orchard Acres. The Minton Co, Inc vs F E Grimes $138.51

July 30, 1921—LOTS 139 AND 140 of the Orchard Park Sbdvn of Villa Lots, San Jose. San Jose Lumber Co vs J F Winn.....$268.18

BUILDING CONTRACTS

SACRAMENTO COUNTY.

ADDITION
MARSHALL SCHOOL, Sacto. One-story frame & stucco addition to school.
Owner—Sacramento City School Dist.
Architect — Hemmings-Petersen-Hudnutt, Inc., Architectural & Engineering Commission, Sacramento Elementary Schools, third floor of City Library, 9th & I Sts., Sacto.
Contractor—Robt. Trost, 26th & Howard Sts., San Francisco. $31,660
Filed July 27; dated July 15, 1921.

ADDITION
McKINLEY SCHOOL on Blk F G 7th & 8th, Sacramento. Two-story frame & stucco addition to school.
Owner—Sacramento City School Dist.
Architect — Hemmings-Petersen-Hudnutt, Inc., Architectural & Engineering Commission, Sacramento Elementary Schools, third floor of City Library, 9th & I Sts., Sacto.
Contractor—Wm. C. Keating, 1714 27th St., Sacramento. $55,950
Filed July 27; dated July 15, 1921.

ADDITION
LINCOLN SCHOOL Q St. bet. 4th & 5th, Sacramento. Two-story 2-room frame addition to school.
Owner—Sacramento City School Dist.
Architect — Hemmings-Petersen-Hud-

nutt, Inc., Architectural & Engineering Commission, Sacramento Elementary Schools, third floor of City Library, 9th & I Sts., Sacto.
Contractor—Wm. C. Keating, 1714 27th St., Sacramento. $39,950
Filed July 27; dated July 15, 1921.

FLATS
1417 NINETEENTH ST., Sacramento. Raise cottage & build flats.
Owner—Elizabeth M. Martin, 1417 19th St., Sacramento.
Architect—None.
Contractor — Geo. W. Martin & Son, 1417 19th St., Sacto. $2500

REPAIRS
279 K STREET, Sacramento. General repairing.
Owner—Jas. Ballard, 724 K St., Sacto.
Architect—None.
Contractor—G. D. Hudnutt, Cal. Fruit Bldg., Sacramento. $2000

REPAIRS
729 K STREET, Sacramento. General repairing.
Owner — American Drink Shop, 729 K St., Sacto.
Architect—None.
Contractor—G. D. Hudnutt, Cal. Fruit Bldg., Sacramento. $4000

DWELLING
2923 THIRTY-NINTH ST., Sacramento. One-story 5-room frame dwelling.
Owner—Salvo Gasparo, 3915 5th Ave., Sacramento.
Architect—None.
Contractor—F. D. Lamoure, 413 95th Ave., Sacramento. $3148

REPAIRS
1911 S STREET, Sacramento. Repair fire loss on frame house.
Owner—Mrs. H. Kuhn, Fruitridge Rd., Sacramento.
Architect—None.
Contractor—Roy & Morris, 3737 First Ave., Sacramento. $850

BUNGALOW
E ½ LOT 7, C, D, 23rd and 24th Sts., Sacramento. Six-room bungalow.
Owner—C. E. and Mary H. Truesdale, 1812 D St., Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura Ave., Sacramento. $4023
Filed July 28, 1921. Dated ——.

ALTERATIONS
Y ST., Sacramento. Improvements for distributing station.
Owner—Associated Oil Company.
Architect—None.
Contractor—Alfred A. Florance, 2905 W St., Sacramento. $1042
Filed July 28, '21. Dated July 23, '21.

REPAIRS
2312 THIRD AVE., Sacramento. Repair fire damage.
Owner—W. L. Norton, 720 27th St., Sacramento.
Architect—None.
Contractor—P. F. Reed, 2545 28th St., Sacramento. $2500

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Aug. 1, 1921—S 37½ FT. LOT 28 BLK 54 Sub. E. Oak Park, Sacramento. C E Livermore to whom it may concern.....Aug. 1, 1921
Aug. 1, 1921—S ½ LOT 8, T, U, 8th & 9th Sts., Sacramento. Protestant Episcopal Bishop of Sacramento to whom it may concern..July 30, 1921

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING
1521 COLLEGE AVE., Fresno. Dwelling.
Owner—E. Ahlberg.
Architect—None.
Day's work. $4000

REPAIRS
VAN NESS AND MARIPOSA STS., Fresno. Repair store.
Owner—O. J. Woodward, 2440 Mariposa St., Fresno.
Architect—None.
Day's work. $1000

ALTERATIONS
1922 FRESNO ST., Fresno. Alterations in store.
Owner — A. Mattei, 202 Broadway, Fresno.
Architect—None.
Day's work. $1500

REPAIRS
933 VAN NESS AVE., Fresno. Repair store.
Owner—Robert Lich, 2720 Fresno St., Fresno.
Architect—None.
Day's work. $2000

REPAIRS
651 F ST., Fresno. Repair dwelling.
Owner—K. Kamikawa, 7 miles NE of Fresno.
Architect—None.
Day's work. $700

FRESNO BUILDING TOTALS FOR JULY, 1921

The following is a report of the building operations in the City of Fresno for the month of July, 1921.
New building, ...$168,806
Number of permits, 90.
Total for year.....$1,702,851
Alterations and repairs.....$ 33,600
Number of permits, 79.
Total for year.....$ 350,735

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
July 28, 1921 — 946 BDWY, Fresno. Lessee, Wm. Eremin to whom it may concern .....July 22, 1921

LIENS FILED

FRESNO COUNTY

Recorded Amount
July 30, 1921—LOT 15 in Sec. 5, 15-16, Fresno. W C Burcham vs R H Coey $225
July 29, 1921—BLK 1 Cooper Addition, Selma. G. E. Parkison vs A. B. Bynon $141
July 28, 1921—LOTS 26 to 29 Blk 5 South Fresno Addition, Fresno. Routt Lumber Co. vs B. Williams & C. Oldham $220

BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW
LOT 21 BLK 42, Easton Addition No. 3, Burlingame. Furnish labor and materials and construct a one-story frame bungalow and garage.
Owner—Joseph A. and Mary C. Burns, 1182 Guerrero St., San Francisco.
Supt. of Construction—E. A. Herman.
Contractor—John W. Rutherdale, Redwood City.
Filed July 29, '21. Dated Apr. 18, '21.

Adopted for Cutting and Filling, Loading Cars, Cleaning out Reservoirs, Hauling Loose Materials of all Kinds.
217 Hyde Street **Phone Franklin 138**

Garage built and rafters on bungalow $1225
Brown coat plaster on..... 1225
Completed 1225
Usual 35 days..... 1225
TOTAL COST, $4900

Bond, none. Limit, to be completed by June 25, 1921. Forfeit, $3. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

Recorded Accepted
July 28, 1921—LOT 19 Corbett Subdivision of Burlingame, Burlingame. Victor Peterson to Martin Peterson.....July 26, 1921

LIENS FILED

SAN MATEO COUNTY.

Recorded Amount
July 29, 1921—LOT 38 BLK 20, Belle Air Park, San Bruno. Prosper Bou vs J H White and Charles Witbeck $57.66
July 29, 1921—E BRUNSWICK ST. No. 1230, near Crocker Ave., Daly City. Wm Kleeman vs Wm Lucas....$49.75

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

BUILDING
AGRICULTURAL PARK. Stockton. Building.
Owner—San Joaquin County.
Architect—None.
Day's work. $29,700

RESIDENCE
COR. SUTTER & SOUTH STS., Stockton. Residence.
Owner—S. M. Langaro.
Architect—None.
Day's work. $8500

RESIDENCE
1924 S-SAN JOAQUIN ST., Stockton. Residence.
Owner—Alice Derverpe.
Architect—None.
Day's work. $2700

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Aug. 2, 1921—LOT 6 Suess Oak St. Addition to City of Lodi. E K Wood Lumber Co, Cptn by Decoto & Calkins, Attorneys vs Frank Ruff, Jennie Ruff and Geo D Parkinson $932.44
Aug. 1, 1921—LOT 24 of the Suess Tract. Robert Little vs John Boss tnd W H Stewart.....$19

STATE WATER COMMISSION

SAN FRANCISCO — The following permits to appropriate water were granted by the State Water Commission, Call Bldg., between May 16th and July 18, 1921:

Permit 872. H. M. Roberts, Lookout, Modoc County, California, for 2635 cu. ft. per annum from Antelope Flat Drainage Area, Modoc County, tributary to Pit River. Estimated cost, $4,000.

Permit 875. C. E. Schmidt, 369 Pine St., San Francisco, Calif. For ½ cu. ft. per second from West Branch of Soquel Creek, tributary to Soquel Creek, for irrigation of 80 acres of land. Diversion by means of pipe line. Estimated cost, $10,000.

Permit 876. C. E. Schmidt, 369 Pine St., San Francisco, Calif. For 0.067 cu. ft. per second from Laurel Creek (also known as Burrell Creek) Santa Cruz County, tributary to Soquel Creek, for irrigation of 80 acres of land. Diversion by means of pipe line. Estimated cost, $10,000.

Permit 880. Henry J. Barton, Yreka, Calif. For 25 cu. ft. per second from West Branch Beaver Creek, Siskiyou County, for mining purposes. Estimated cost, $20,000.

Permit 882. Antone Quadras, Nord, Calif. For 7.37 cu. ft. per second from Pine Creek Lagoon, and Sacramento River, Butte County, for irrigation of 598 acres. Diversion by means of ditch known as Quadras Ditch. Estimated cost, $9,000.

Permit 884. Holland Land Co., Clarksburg, Calif. For 160 cu. ft. per second from Elk Slough and Sacramento River and West Levee, Borrow Pit, Yolo and Solano Counties, for ir-

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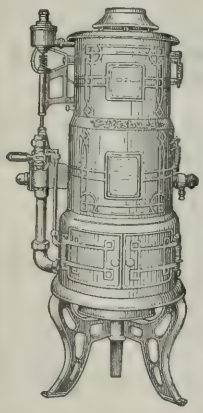
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rigation of 1800 acres. Diversion by means of pumps. Estimated cost, $75,000.

Permit 885. Mary E. Ivory, assignment to Pattes, Huffman Land & Live Stock Co., Alturas, Calif. For 1500 ac. ft. per annum from Antelope Plains Drainage Area, Modoc County. Diversion by means of channel 4 miles long. Estimated cost, $2400.

Permit 893. James F. Stevinson, a corporation, San Francisco, Calif. For 80.58 cu. ft. per second from Merced River, Merced County, for irrigation of 6,446 acres. Diversion by means of canal. Estimated cost, $75,000.

APPLICATIONS

The following applications for permits to appropriate water were filed with the Commission during the month of June, 1921.

Application 2368 (Plumas Co.) Great Western Power Company of Calif., San Francisco, Calif., for 124 cu. ft. per second from Feather River, Butte County and Buck's Creek, Plumas County, for irrigation of 30,000 acres of land. Diversion by means of dam. Estimated cost, $4,300,000.

Application 2369 (Plumas) Great Western Power Company of Calif., San Francisco, Calif., for 124 cu. ft. per second from Buck's Creek, Plumas County, for power purposes. Total amount of power to be developed 43.7 t.h.p. Diversion by means of dam. Estimated cost, $4,300,000.

Application 2370 (Plumas and Butte Counties) Great Western Power Company, San Francisco, Calif., for 100,000 ac. ft. per annum, from Pine Creek, North Valley Creek in Plumas County, tributary to N. Fork Feather River; Little Kimshew Creek and Crane Valley Creek in Butte County, tributary to West Branch of Feather River, for power purposes. Total amount of power to be developed 48,000 t.h.p. Diversion by means of canal and pipe line.

Application 2371 (Plumas and Butte Counties) Great Western Power, San Francisco, Calif., for 24,000 ac. ft. per annum from Feather River, Butte County, tributary to Sacramento River; Pine Creek, Rock Creek, and North Valley Creek, Plumas County, tributary to N. Fork of Feather River; Little Kimshew Creek and Crane Valley Creek, tributary to West Branch Feather River, for irrigation of 30,000 acres of land. Diversion by means of canal and dam.

Application 2372 (Nevada) Fred H. Tibbetts, Engineer, Nevada Irrigation District, Grass Valley, Calif., for 100,000 ac. ft. per annum from Canyon Creek, Nevada County, for power purposes.

Application 2373 (Nevada) Fred H. Tibbetts, Engineer, Nevada Irrigation District, Grass Valley, Calif., for 50,000 ac. ft. per annum for agricultural purposes, from South Wolf Creek, Nevada County, tributary to Bear River.

Application 2374 (Sierra) H. L. Berkey, Scales, Sierra County, for 175 cu. ft. per second from Spencer Lakes (3 in number), Sierra County, for power purposes. Diversion by means of ditch six miles long. Estimated cost, $300,000.

Application 2375 (Sierra) H. L. Berkey, Scales, Sierra County, for 175 cu. ft. per second from Spencer Lake and tributaries, Sierra County, tributary to N. Fork Yuba River, for irrigation of 25,000 acres of land. Diversion by means of ditch six miles long. Estimated cost, $300,000.

Application 2376 (Sierra). H. L. Berkey, Scales, Sierra County, Cal., for 175 cu. ft. per sec. from Spencer Lakes and tributaries, in Sierra County, for mining purposes. Diversion by means of canal about 6 miles long. Estimated cost, $300,000.

Application 2380 (San Joaquin Co.). A. N. Davis, Yosemite, Club, Stockton, Cal., for 10 sec. ft. from Calaveras River, San Joaquin County, tributary to San Joaquin River, for irrigation of 288 acres of land. Diversion by means of pipe line. Estimated cost, $300,000.

Application 2381 (San Joaquin Co.). A. N. Davis, Yosemite Club, Stockton, Cal., for 7 cu. ft. per sec. from Calaveras River, San Joaquin County, tributary to San Joaquin River, for irrigation of about 200 acres of land. Diversion by means of pipe line. Estimated cost, $2000.

Application 2382 (Stanislaus Co.), Pacific Pea Packing Co., a corporation, Oakdale, Cal., for 5 cu. ft. per sec. from Stanislaus River, tributary of San Joaquin River, for irrigation of 150.29 acres of land. Diversion by means of pump. Estimated cost, $20,000.

Application 2383 (Modoc Co.). G. M. and J. E. Clark, Alturas, Modoc County, Cal., for 1270 ac. ft. per annum from Juniper Gulch, Modoc County, tributary to South Fork of Pit River, for irrigation of 573 acres. Diversion by means of canal 1.82 miles long. Estimated cost, $15,000.

Application 2385 (Plumas). Victor S. arber, Trustee, 304 E. 16th St., Oakland, Cal., for 60 cu. ft. per sec. from Milk Ranch Creek, tributary to North Fork Feather River, for power purposes. Amount of power to be developed, 27,273 t.h.p. Diversion by means of canal and flume.

Application 2386 (Plumas). Victor S. Barber, Trustee, 304 E-16th St., Oakland 100 cu. ft. per sec. from Chipps Creek, Plumas County, tributary to North Fork Feather River, direct diversion, and 9800 ac. ft. per annum from Morris Lake, Lotts Lake, Spring Valley Lake and an unnamed lake in Plumas County, for storage for power purposes. Amount of power to be developed, 34,000 t.h.p. Diversion by means of dam. Estimated cost, $1,600,000.

Application 2387 (Butte). E. P. Vandercook, 2383 E. 27th St., Oakland, Cal., for 250 cu. ft. per sec., direct diversion, and 160,000 ac. ft. per annum for storage from Feather River and lakes on headwaters of Rock Creek, Chipps Creek, Milk Ranck Creek, Butte County, for irrigation of 20,000 acres of land.

Application 2393 (Yuba Co.). Honcut-Yuba Irrigation District, Honcut, Yuba County, Cal., for 1000 cu. ft. per sec. from Yuba River, Yuba County, for irrigation of 31,500 acres of land.

Application 2394 (Santa Barbara). Diamond R. D. Co., Santa Barbara, Cal., for 6 cu. ft. per sec. from Santa Ynez River, Santa Barbara County, for irrigation of 80 acres of land. Diversion by means of pipe line 2500 ft. long. Estimated cost, $10,000.

Application 2398 (Imperial). W. W. Patch, Div. Engineer, Co. Highway Commission, Dept. Engineering, for and in behalf of Los Angeles County, Cal., ¼ cu. ft. per sec. from San Filipe Creek, Imperial County, for construction and maintenance of highway and irrigation of strip of land on each side of highway for tree planting. Diversion by means of pumps. Estimated cost, $10,000.

Application 2402 (Ventura Co). Sespe Power Corporation, Los Angeles, Col., for 135 cu. ft. per sec. direct diversion and 102,000 ac. ft. flood water from Sespe Creek, Ventura County, tributary to Santa Clara River, for generation of electric power.

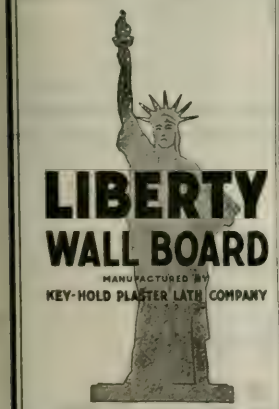
Application 2406 (Yuba Co.). Los Verjels Land & Water Co., San Francisco, Cal., for 150 cu. ft. per sec. storm water, and 25 cu. ft. per sec. natural flow of Dry Creek, Yuba County, tributary to Yuba River, for irrigation of 5675 acres. Diversion by means of ditch. Estimated cost, $120,000.

Application 2408 (Sacramento). A. E. Landis, Sacramento, Cal., for 5000 cu. ft. per sec. direct diversion and 15,000 ac. ft. per annum storage, from Laguna (sometimes called Willow Creek), Sacramento County, tributary to Cosumnes River, for agricultural purposes.

Application 2409 (Amador Co.). A. L. Landis, Folsom, Cal., for 11,000 cu. ft. per sec. direct diversion and 800,000 ac. ft. per annum storage, from Mokelumne River, Amador County, tributary to San Joaquin River, for agricultural purposes. Diversion by means of tunnel.

Application 2410 (Sacramento). A. L. Landis, Folsom, Cal., for 17,000 cu. ft. per sec. direct diversion and 200,000 ac. ft. per annum storage, from Dry Creek, Sacramento County, tributary to Mokelumne River, for agricultural purposes.

Application 2411 (Amador Co.). A. L. Landis, Folsom, Cal., for 7000 cu. ft. per sec. direct diversion and 400,000 ac. ft. per annum storage, from Cosumnes River, Amador County, tributary to Mokelumne River, for agricultural purposes. Diversion by means of canal.



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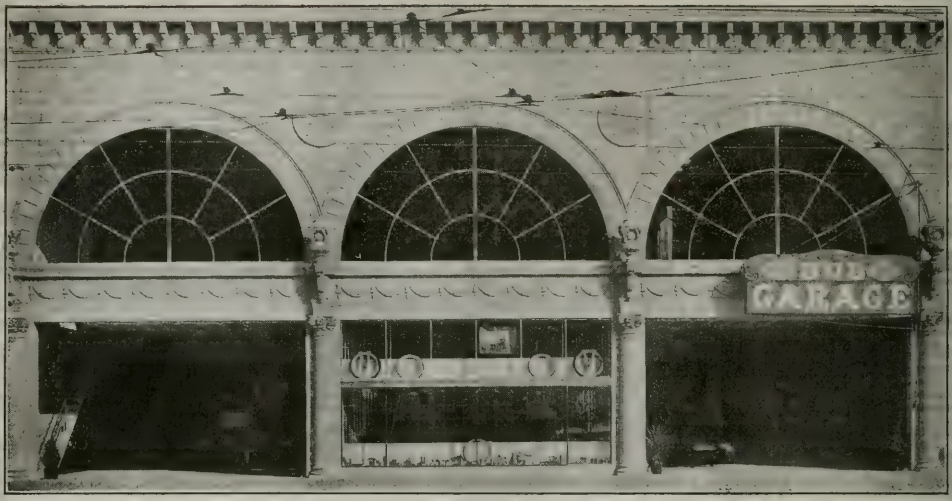

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SAN FRANCISCO, CAL., AUGUST 13, 1921

Published Every Saturday
Twenty-first Year, No. 33

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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Building & Engineering News

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MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

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Official Paper of Vallejo Builders' Exchange

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No Remedy Seen for Housing Shortage; Hoover Facts on Building Held Wrong

Herbert Hoover's statement that there is $22,000,000,000 available for home building in the mutual savings, savings, national and State banks, building associations, trust companies and life insurance companies, is 100 per cent wrong, according to W. A. Sadd, president of the savings bank division of the American Bankers' Assn.

Sadd, in taking exception to Secretary Hoover's remarks, said:

The institutions to which Hoover refers have total resources which are distributed approximately as follows: Mutual savings bank, $6,500,000,000; building associations, $2,500,000,000; savings national banks, estimated $2,000,000,000; trust companies savings, no data; State bank savings, no data; life insurance companies, $7,000,000,000.

Not Available

Perhaps the two items not now available will make a total of gross resources approximating Hoover's estimate of $22,000,000,000, but he is 100 per cent wrong in advising that this is to be regarded as the "total sum of money available" for loans to support "home building."

That amount is not available for home building. Not over one-half of it could possibly be tied up in real estate security, and the amount now loaned upon real estate security by those institutions cannot be very materially increased because of other demands which confront each individual institution.

Any persons who begins to tinker with the financial structure must ascertain first the use to which the desired funds are now devoted (for, of course, they are not idle); second, the possible emergencies which may yet strain the liquid resources of each institution; third, the ability to divert any bank's loans and investments into different channels, and fourth, that depositors and loan holders desire that their funds shall be directed in particular lines of investment which may change according to the ideas and assumed needs of persons who accept no corresponding responsibility for resources.

Housing Remedies

To sum up the situation as to housing finance, no proposed remedy is adequate which is not based upon certain truths. First, housing will not multiply until there is a market for the finished product; second, this is largely a question of price, of willingness to tie up capital in houses rather than in other things and cannot be effected by any mere theory of a certain manufacturers' association that a workman can afford to pay $8000 for a cottage because the building will last fifty or one hundred years; third, money and credit are scarce and there are neither billions nor millions available for investment in new construction now; fourth, construction activities cannot be sustained or even stimulated by reference to house shortage as is often attempted; fifth, until there is a market which will absorb new construction in competion with old, building will not revive; sixth, this is not the time to agitate forcing capital into second mortgage investment which confer the right to pay a first mortgage in a large majority of cases.

The American Bankers' Assn. has given close attention to mortgage loans which bulk so large among assets of financial institutions and the other funds, endowments and estates under their charge, but there is a vast difference in loans, and all of these funds are distinctly private in their nature and cannot be invested under compulsion of law and in the future will be distributed according to economic forces which are beyond the reach of the legislators.

CONSTRUCTION SINCE FIRE

According to a report compiled by Chief Inspector of Buildings John P. Horgan, the Board of Public Works granted a total of 91,037 building permits from May, 1906, to July 31, 1921. Work carried on under these permits represent an expenditure of approximately $373,883,060. During that period, Horgan's report shows, 285 permits issued for Class A structures costing approximately $48,619,562; Class B, 319 buildings, $26,269,809; Class C, 3813 buildings, $103,805,134; 33,973 frame structures, $131,854,283; 52,126 alterations, repairs or additions to standing structures, $36,118,987. Other operations included in the report shows operations carried on by the Panama Pacific International Exposition, the state and municipality.

CALIFORNIA WEEKLY BANK CLEARINGS

Bank clearings as reported to the California Development Board by the several clearing house cities for the week ending August 4, 1921, showing the amount of increase or decrease from the amount reported the corresponding week last year:

		Decrease
San Francisco	$118,100,000	$37,300,000
Los Angeles	74,984,000	*2,180,000
Oakland	10,846,127	*529,105
Sacramento	5,450,972	986,328
Fresno	3,117,601	804,891
Stockton	reporting bank debits	
San Jose	1,713,215	713,045
Pasadena	2,843,074	*933,966
Bakersfield	976,815	166,444
Long Beach	3,547,425	*770,028
Berkeley	reporting bank debits	
Santa Rosa	366,614	57,799
Modesto	548,848	
Whittier	406,637	
San Bernardino	1,340,664	

* Increase

LUMBER PRICES ARE AT ROCK BOTTOM

That wholesale lumber prices have been fully deflated is the opinion of the Board of Trustees of the National Lumber Dealers' Assn. They have issued a statement in response to a request by the National Federation of Construction Industries, which says in part:

"In the lumber industry it has been possible to reduce labor costs rapidly, and in spite of the fact that production costs are on a minimum basis, the downward price trend has brought mill prices on numerous items lower than in 1913. Prospective builders must not overlook the fact that even though all wholesale lumber prices at the mills were at their pre-war levels, the existing higher freight rates would result in a correspondingly higher selling price at consuming centers.

"Any perceptible increase in the demand for lumber will undoubtedly promptly result in price advances, but it is the opinion of our board of trustees that so far as wholesale lumber prices are concerned, deflation has completely run its course."

In Naples, cows and goats are led through the streets and milked at the doors of customers.

The Observer

The Sacramento Board of Education is attempting to secure a refund from all builders engaged in city school construction, following the recent cut in wages agreed to by the mechanics. Should the refund be made it is thought $30,000 will be realized.

Mrs. Hazel Hume, wife of Harry H. Hume, road engineer for Butte County, died August 1 following a short illness.

Directors of the Nevada State Highway Assn. will be elected, road matters discussed, a report of the association's activities given and other business transacted when the association meets in Reno on October 1. Geo. A. Campbell is president and Carmen J. Wilkie, secretary of the association.

C. E. Grunsky of San Francisco has been selected by the Vallejo City Council as consulting engineer for the Gordon Valley water project for which the city has voted bonds.

David Hubbard Chapman, father of H. D. Chapman, city engineer of Richmond, died in that city August 1 at the age of 88 years.

The hearing of charges against Drury Butler, Sacramento County engineer, has been postponed by the Board of Supervisors until September 14. This was done because of the suit taken by Butler to the Appellate Court in an effort to prevent Supervisor John Scholfield from sitting as a member of the board during the hearing. Butler is charged with incompetency, inefficiency and violation of rules of his office.

The city government of San Anselmo is in a bad fix, all due to a disagreement over the question of assessing property for bridge work. C. C. Kennedy, town engineer, relieved of office. Chester A. Pinkham, mayor and president of the Board of Trustees, resigns, as does Trustee E. J. Thomas.

The Pacific Portland Cement Co., Consolidated, has filed complaint with the State Railroad Commission against the S. P. Co. alleging discrimination against it in tariffs for the transportation of cement put into effect July 15 of this year. The complainant operates a plant at Cement, Solano County, and charges that the new tariff gives undue advantage to plants of competitors at Davenport and San Juan. The commission is asked to suspend the rates for 120 days, pending an investigation as to their affairs.

Articles of incorporation have been filed by the Ginsberg Hospital, Inc., with a capitalization of $1,250,000 and whose purpose it is to erect a 6-story fireproof hospital in Sacramento on a site yet to be announced. Directors of the company are Sam Ginsberg, H. S. Kirk, H. E. Kleinsorge, Chas. B. Bills, S. J. Lubin, Benjamin Rush, A. M. Mull, Geo. C. Sherman and G. W. Kramer, all of Sacramento.

Colorado failed to receive a bid for the $2,000,000 State Highway bonds authorized at a recent election and State Treasurer Strong has appealed to Henry Ford to purchase a portion of the issue, declaring that better roads means more automobiles and that more than half the cars in Colorado are Fords. An appeal has also been made to John D. Rockefeller.

R. C. Stickle of South San Francisco has been awarded $100 in his suit against A. Baradat for $300 claimed due on account of his having prepared plans and specifications for a building which Baradat proposed to erect in South San Francisco.

Prompted by the rumor that Chas. Richardson, county surveyor of Marin, will resign applications for the position have been filed with the supervisors by R. E. Messner, T. R. Mini, J. C. Oglesby and B. H. Graff.

Building is brisk in Stockton. During the month of July the city building inspector reports 51 building permits granted representing an expenditure of $365,218.

Standish & Hickey, San Francisco lumber dealers donate to State Board of Forestry a forty acre forest located on State Highway in Mendocino County. This is the first organization to respond to the State Board of Forestry's campaign to save the forests of California.

Fresno Chapter, American Association of Engineers, is planning a meeting of engineers engaged in private work in the San Joaquin Valley, for the purpose of discussing the adoption of a uniform scale of fees for certain classes of work.

Mayor E. J. Garrard of Richmond appoints a committee headed by himself to seek an agreement between the Building Trades Council and the Builders' Exchange to end the building tie-up in that city. Other members of the committee are: L. M. Johnson, Rev. Thomas A. Boyer, W. H. Conn and W. T. Helms.

Bricklayers' International Union No. 4, Stockton, Calif., has voted a $1 a day wage reduction, effective September 1. The men will receive $10 a day under the new scale. Material dealers promise to reduce prices accordingly.

Residences, flats and apartments make up San Francisco's building program for the past seven months. Figures compiled by Chief Inspector of Buildings John P. Horgan show 578 permits granted for residences. A total of 148 were issued for flat buildings housing 401 families and 40 permits for apartment structures housing 348 families.

The U. S. Civil Service Commission announces an examination is to be called for the position of junior engineer, Grade 1 (civil, mechanical and structural), in the Fifth Valuation District, Interstate Commerce Commission with headquarters in San Francisco. Applications must be filed in the office of the secretary, 12th U. S. Civil Service District, 241 Postoffice Bldg., San Francisco, before September 2.

A preliminary statement of the 1920 census of manufactures with respect to the paint and varnish industries has been prepared by the Bureau of the Census, Department of Commerce. It consists of a detailed statement of the quantities and values of the various products manufactured and the quantities and cost of the principal materials used during the year 1919.

Construction activities continue below normal in many sections of the country, but when it is considered the value of building operations is greatly in excess of the average for the period from 1914 to 1919, inclusive, one must admit that building operations represent a pretty healthy volume of business. At least it might be much worse.

Weed Lumber Co. announces that it will no longer employ women in its sash and door factory, as it cannot afford to pay the minimum wage of 33½ cents an hour.

Advance figures from the Harbor Commission show the receipt at the port of Los Angeles during May of 28,490,073 feet of lumber, 5,204,690 lath, 5,084,900 shingles, 10,000 shakes, 85,160 ties, 137,070 lineal feet of poles and piles, a total equivalent to 33,497,085 board feet. Also 146,500 feet of hardwood from Central America.

Essential needs for the rehabilitation of the building industry, according to Secretary Charles Morehead of the Alameda County Builders' Exchange, include: "Development of skilled workmen; increased opportunities for boys to learn trades; a fair day's work for a fair day's pay; the right to work must be held as sacred as the right to strike and wages must be stabilized."

Employees of a cement plant at Gold Hill, Ore., numbering 130, quit when the company announced a wage reduction of 5 cents an hour. All operations at the plant have been suspended.

The Chamber of Commerce of Redding, Cal., is conferring with R. B. Swain, Inc., of Oakland regarding the establishment of a creosote plant in Redding. The Swain Co. has contracts with railroads, telegraph and electric companies for furnishing creosoted poles in that section.

Work on the Homer Knowles pottery plant at Santa Clara is progressing rapidly and it is expected that machinery will be ready for operation October 1.

Sugar Pine Lumber Co. of San Francisco about to close a deal with the Government for purchase of six hundred million feet of timber in the Sierra National forest, in Madera county, and seven hundred million feet owned by the White & Friant Lumber Co., adjoining the forest.

Fresno county's highway system, consisting of some 215 miles of paved and improved roads tapping the most populous centers and traversing the most traveled sections, will be completed within 18 months, according to County Road Engineer Chris. P. Jensen.

Building News Section

APARTMENT HOUSES

Figures to be Taken Next Week.
APARTMENTS Cost, $100,000
SAN FRANCISCO. NE Leavenworth & Washington Streets.
Six-story and basement reinforced concrete apartment house (13 4-room apts.)
Owner—Dr. J. A. Simpson.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Figures will be taken for a general contract.

Plans Being Prepared.
APARTMENTS Cost, $650,000
SAN FRANCISCO. NW Francisco and Larkin Streets.
Ten-story and basement Class B apartment house (40 apts. of 4, 5 and 6 rooms each).
Owner—Thos. McDougall.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Figures will be taken as soon as the present labor conditions are settled.

Plans Completed.
APARTMENTS Cost, $13,500
SAN FRANCISCO. S Cabrillo 30 E 12th Avenue.
Three-story and basement frame (6) apartments.
Owner—O. E. Anderson, 483 5th Ave., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Permit Applied For.
APARTMENTS Cost $19,000
SAN FRANCISCO. S. E. 12th Ave. and Cabrillo.
Three-story and basement frame (12) apartments.
Owner—O. E. Anderson, 483 15th Ave., San Francisco.
Architect—A. H. Knoll, Hearst Bldg.

SEATTLE, Wash.—Architect Harry H. James, American Bank Bldg., preparing plans for five-story Class A apartment house to be erected for J. H. Williams at 1208 Sixth ave., estimated cost $100,000. Will cover 60x109 feet, containing 43 apartments; 25 of 2-room and 18 3-room.

BANKS

Plumbing and Heating Contract Awarded.
BANK Cost, $55,000
SACRAMENTO. E 7th bet. J and K.
Two-story Class A bank bldg.
Owner—Merchants' Natl. Bank.
Architect—H. H. Winner Co., 503 Market St., San Francisco.
General Contractor—Barton & Dudley, 619 J St., Sacramento.
The plumbing and heating has been awarded to Hately & Hately of Sacramento, at approximately $8000.

Contracts Awarded.
ALTERATIONS Cost, $45,000
MODESTO, Stanislaus Co., Cal. SE 10th and I Sts.
Alter interior of bank in 3-story brick bldg.
Owner—The Modesto Bank, 1001 I St., Modesto.
Architect — H. H. Winner & Co., 503 Market St., San Francisco.
General Contractor—Hansen & Woods, Modesto.
The plumbing and steam heating has been awarded to Hoffman & Rhien, 1014 10th St., Modesto, at approximately $8000.
Electrical work awarded to J. M. Nightingale, 1004 J St., Modesto, at $960.

Plans Being Prepared.
ALTERATIONS Cost, $——
SEBASTOPOL, Sonoma Co., Cal. Main and Santa Rosa Avenues.
Extensive alterations to bank building.
Owner—Sebastopol National Bank.
Architect—Withheld for present.
Work will not be started until January, 1922.

BONDS

RED BLUFF, Tehama Co., Cal. — Bonds of $15,000 voted in Manton School District to finance construction of a new school building. On Aug. 20 another election will be held in the district to vote $3500 for constructing addition to present school.

BAKERSFIELD, Kern Co., Cal. — South Fork School District, recently formed, will vote September 20 on the question of issuing bonds of $26,000 to purchase a site, construct a new school, install water works system and purchase a school bus for transporting pupils.

SAN RAFAEL, Marin Co., Cal.—Aug. 25 is date set by Council to vote bonds of $50,000 for permanent street improvements. H. H. Jones, City Engineer

TRACY, San Joaquin Co., Cal. — Bonds of $200,000 have been voted in the Naglee-Burk Irrigation district; $150,000 to acquire the system of the old Naglee-Burk Assn., the remainder for extensions and improvements. L. C. Stark is Secretary of the district.

SAN RAFAEL, Marin Co., Cal.—Aug. 25 is date set by Council to vote bonds of $12,000 to dredge portion of canal and finance construction of a municipal wharf.

SACRAMENTO, Cal. — An election will be held Aug. 27 in the Courtland Union High School District to vote bonds of $80,000 with which to finance construction of a new school building. Trustees of the district are W. J. Smith, Joe Green and W. J. Edinger.

SACRAMENTO, Cal. — An election will be held in the Bates Union School District Aug. 27 to decide the question of issuing and selling bonds of $20,000 with which to finance construction of a new school building. Trustees of the district are W. J. Smith, Joe Green, Chas. E. Bauer.

VISALIA, Tulare Co., Cal. — Supervisors will receive bids on August 18 for the purchase of the $6000 bond issue of the Taurusa School District; proceeds of sale to finance school improvements.

NOVATO, Sonoma Co., Cal.—Trustees of Novato School District plan to call election to decide question of issuing bonds to finance construction of a new grammar school.

STOCKTON, San Joaquin Co., Cal.—Until August 22 bids will be received by supervisors for the purchase of the $12,000 bond issue of the New Hope School District; proceeds of sale to finance construction of a new school building.

WALLA WALLA, Wash.—City Commissioners set Sept. 6 as date to vote bonds of $500,000 to improve water system. Issue for same amount (5%) voted several years ago cancelled, as same were not salable.

NEWMAN, Stanislaus Co., Cal.—An election will be held August 16th in Merquin Union High School District, in Stevenson County, about 12 miles east of Newman, to vote bonds of $25,000 to finance construction of a manual training building.

SANTA CRUZ, Santa Cruz Co., Cal.—Bonds of $206,000 voted to complete county highway system, as originally planned. Lloyd Bowman, County Engineer.

MODESTO, Stanislaus Co., Cal.—The Supervisors have sold the $65,000 bond issue of Newman School District; proceeds of sale to finance construction of a new grammar school. Premium paid for issue is $1,288.
No bids were received for the $13,000 issue of the Monte Vista School District. Bids for the purchase of the $60,000 issue of the Oakdale Union High School District and the $12,000 issue of received up to September 13.

TURLOCK, Stanislaus Co., Cal. — Aug. 30 is date set by Trustees of the Turlock High School District to vote bonds of $65,000 for repairing the old high school and for additions to the new structure.

CHURCHES

Contract Awarded on a Percentage Basis.
CHURCH. Cost, $50,000
SANTA MARIA, Santa Barbara Co., Cal.
Reinforced concrete church, 125x140.
Owner—Santa Maria Methodist Church
Architect—Mott M. Marston, I. W. Heilman Bldg., Los Angeles.
Architect—A. A. Peterson, Santa Maria.

Plans Being Refigured — Bids Close Aug. 31, 1921.
CHURCH Cost, $18,000
TERRA BELLA, Tulare Co., Cal.
Construction of church bldg.
Owner — First Presbyterian Church of Terra Bella, W. H. McTier, Chairman of Building Committee, Terra Bella, Cal.
Architectural Engineer — Claire C. Morris, 706 Morton St., Porterville.
Following bids were received August 3 and rejected:
Mission Bldg., Co., Porterville, not including plumbing and heating, $19,460.
A. Day, Woodlake, Cal., structure complete, $21,370.
Hodgson, Lowery & Son, Porterville, structure complete, $23,636.
New bids will be opened August 31. Plans may be had from the architect.

Ready for Figures in About Three Weeks.
CHURCH Cost, $50,000
OAK PARK, Sacramento Co., Cal.
Hollow tile church.
Owner—Methodist Church

Architect—W. J. Wythe, Central Bank Bldg., Oakland.

Contract Awarded.
CHURCH Cost, $10,230
NORTH SACRAMENTO, Calif.
Hollow tile church.
Owner—Epworth Methodist Episcopal Church.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.
Contractor—Jas. Omand, Elverta, Calif.

COURTHOUSES

NAPA, Napa Co., Cal.—Until Sept. 6 bids will be received by County Supervisors, James A. Daly, Clerk, for alterations in the Hall of Records Building. Specifications on file in office of Clerk.

FACTORIES & WAREHOUSES

Plans Being Prepared.
BUILDING Cost, $——
LOS ANGELES. Flower St. S of Seventh
Three-story brick building, 60x165.
Owner—C. C. Brown Candy Co., 621 S. Olive St., Los Angeles.
Architect—Beverly Keim Jr., Haas Bldg Los Angeles.

Contract Awarded.
FACTORY Cost, $12,000
LODI, San Joaquin Co., Cal.
One-story hollow tile & concrete packing plant 50x125.
Owner—Earle Fruit Co.
Archt. & Contractor — Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Plans to be Prepared.
ADDITION Cost$100,000
SACRAMENTO. 16th, 17th, R and S Sts.
Two or 3-story fireproof addition to storage building.
Owner—Crystal Ice and Cold Storage Co. (Rasmus Carstensen, Pres.).
Architect—Not selected.

RICHMOND, Contra Costa Co., Cal.—The California Car Co., 496 12th St., Oakland, has leased a portion of the Santa Fe Foundry plant in Richmond for the manufacture of their cars and therefore have postponed the construction of their own building. In about 90 days plans will be prepared for a one-story fireproof structure. C. R. Manbert is the Engineer.

OAKLAND, Cal.—City Commissioner Albert E. Carter announces city will build a new dock at foot of Clay street to handle foreign trade business. Structure will cost between $90,000 and $100,000.

FIREHOUSES AND JAILS

CARSON CITY, Nevada.—Until Aug. 29, 12 m., bids will be received by J. W. Legate, Clerk, Ormsby County Commissioners, for the reconstruction and installation of 4 steel cells in the new county courthouse. Certified check for 10% required with each bid. Plans may be had from F. J. De Longchamps, architect, Gazette Bldg., Reno, Nev.

Figures to be Taken Shortly.
JAIL Cost, $——
SANTA ANA, Orange Co., Cal.
Four-story reinforced concrete marble and tile jail. Steel front cells, steam heat, ventilating system and door controls.
Owner—Orange Co.
Architect—John & Donald B. Parkinson, 420 Title Insurance Bldg., Los Angeles.

FLATS

Plans Complete.
FLAT BUILDINGS Cost, $22,000
SAN FRANCISCO, California and 15th Ave.
2 2-story, frame and plaster flat buildings (2, 5-room flats each).
Owner—Anderson & Ringrose, 320 Market St.
Architects—Morrow & Garren, Chronicle Bldg.

Plans Being Prepared.
FLATS Cost, $11,000
SAN FRANCISCO. S Jackson 80 E Hyde
Two-story frame and plaster flat building.
Owner—John Diestel, 248 Russ Bldg., San Francisco.
Architect—Not Given.

Permit Applied For.
FLATS Cost, $15,000
SAN FRANCISCO. W 14th Av 50 N Balboa.
2-story and basement frame four flats.
Owner—Dr. M. Hart.
Architect—Earle B. Bertz, Foxcroft Bldg.
Contractor—Allen & Co., 168 Sutter.

GARAGES

Contract Awarded.
GARAGE Cost, $65,000
SAN FRANCISCO. N Turk 192 W Taylor.
Two-story & basement reinforced concrete garage.
Owner—Hub Garage Co.
Architect—Joseph Stewart, Claus Spreckels Bldg.
Contractor—Monson Bros., 251 Kearny

Contract to be Awarded.
GARAGE Cost, $100,000 Approximately.
SAN FRANCISCO. W Sansome Street North of Pacific.
Two-story and basement reinforced concrete garage, 100x137-6.
Owner—Kittle Estate.
Architect — Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Low Bidder—Atlas Concrete Co.

FRESNO, Fresno Co., Cal.—City Council rejects bids submitted for constructing proposed municipal garage building, all being above the estimate of the city engineer. The city will probably erect the structure by day labor, purchasing the materials in the open market.

GOVERNMENT WORK AND SUPPLIES

The following awards have been made by the chief of the Bureau of Yards and Docks, Navy Department, Washington, for work at yards and stations:

Specification 4471, San Diego, Cal., sprinkler system, W. C. Merritt Co., 727 7th St., San Diego, $3,888.73, time 60 days.

Specification 4479, Mare Island, Cal., renewal of north half of building 85, Johns-Manville, Inc., of California, San Francisco, $11.50 per sq. in place, 10 days.

WASHINGTON, D. C.—Until September 7 bids will be received by Bureau of Yards and Docks, Navy Department, under Specification No. 4485, for dredging and filling at San Diego, Cal. Deposit of $10 required for plans.

Navy Department, Bureau of Yards and Docks, Washington.—Bids are wanted until Sept. 7, specification 4390, for riprapping dike No. 2, Mare Island Navy Yard. Deposit for plans, $10. For information address above.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering the following supplies for Pacific Coast Navy Yard; date for opening bids as noted at end of each paragraph:

Schedule 8567, Mare Island, 180 sheets plate glass, August 26.

Schedule 8568, Mare Island, 1,670 square feet floor tile, August 26.

Schedule 8569, Puget Sound, a miscellaneous quantity of steel bolts and nuts, August 30.

Schedule 8575, Mare Island, a miscellaneous quantity of steel plates and angles, August 26.

Schedule 8585, Puget Sound, 1,000 feet suction hose, August 26.

Schedule 8588, Puget Sound, 30,000 pounds marine glue, August 26.

Schedule 8597, various eastern and western yards, a miscellaneous quantity of steel pipe, August 30.

Schedule 8609, Puget Sound, 60 pairs diagonal cutting nippers, 200 sharpening stones and 948 wrenches, August 30.

Schedule 8619, various eastern and western yards, a miscellaneous quantity of seamless boiler tubes, August 30.

Schedule 8621, Mare Island, a miscellaneous quantity of magnet wire, September 2.

Schedule 8623, Puget Sound, 200 yards varnished cambric, a miscellaneous quantity of ebony asbestos wood fiber, 300 electric switches and 250 feet mica tubing, September 2.

SEATTLE, Wash.—Until Sept. 22, 12 M., bids will be received by U. S. Engineer's Office, Seattle, for emergency dams for Lake Washington ship canal locks, Seattle, Wash. Information on application at U. S. Engineer Office, Seattle, Wash.; Chicago, Ill., or Pittsburgh, Pa.

SAN FRANCISCO.—Until Aug. 22, 11 a. m., under Circular R. M. & F. 22-19 bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering 3000 cords of 12-in. slab wood and 6000 cords of 16-in. forest wood for Camp Lewis, Wash.; 180 cords hardwood (any reasonable length) for Camp Hearn, Cal.; 80 cords hardwood (any reasonable length) for Campo, Cal.; 68 cords hardwood, split, 4-ft. lengths, for Mather Field, Cal.; 240 cords hardwood for Yuma, Ariz.; 300 cords of slab wood for Presidio of Monterey, Cal.; all to be delivered between date of award of contract and June 30, 1922.

WASHINGTON, D. C.—Until Sept. 7, bids will be received by Bureau of Yards and Docks, Navy Department, under Specification No. 4473, for furnishing and delivering two steam cranes for dry dock at Navy Yards at Puget Sound and South Boston. Deposit of $10 required for plans, which may be obtained from bureau.

HALLS AND SOCIETY BUILDINGS

Plans Being Prepared.
GOLF CLUB Cost, $15,000
RENO, Nevada. One-story brick & stone club house.
Owner — Reno Golf Club, Col. C. H Moore, president.
Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nev.
Building committee composed of Chas. B. Henderson, Chairman; W. A. Shockley, Cole Harwood, Rev. Brewster Adams, A. E. Cheney and Sam Platt.

Plans Being Prepared.
ALTERATIONS, ETC. Cost, $80,000
ALAMEDA, Calif. Santa Clara Ave.
Extension, alterations and additions to lodge building (auditorium, gymnasium, plunge, etc.)
Owner—Elks' Hall Association (G. E. Goggin, President).
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.

Figures to be Taken in About Two Weeks.
LODGE BLDG. Cost, $40,000
VALLEJO, Solano Co., Cal. Virginia St., bet. Marin and Sacramento.
Three-story reinforced concrete lodge building (pressed brick front).
Owner—Moose Hall Association.
Architect—W. A. Jones, Vallejo.
Figures will be taken for a general contract.

HOSPITALS

Contract Awarded.
ADDITION Cost, $10,733
OROVILLE, Butte Co., Cal.
Brick addition of 4 rooms to County Infirmary (36 beds).
Owner—County of Butte, C. F. Belding, Clerk, Oroville, Cal.
Architect — Chester Cole, Waterland-Breslauer Bldg., Chico, Cal.
Contractors—Hibbard Bros., Oroville, Cal.

Preliminary Plans Being Prepared.
ADDITION Cost, $——
SAN FRANCISCO. Fell, Steiner, Baker.
Addition to Class A hospital.
Owner—Southern Pacific Co.
Architect — Architectural Department of owner.
It has not been definitely decided whether this addition will be erected or not.

SANTA BARBARA, Cal.—Until 10 A. M., Sept. 5, bids will be received by the Board of Supervisors of Santa Barbara County, for installing a central heating plant at the Santa Barbara general hospital, located on the county farm about 3 miles west of Santa Barbara. The work will include installation of boilers, hot water tanks, conduits, manholes, radiation and piping for the entire group of buildings. Plans and specifications may be obtained from the Clerk of the Board. Certified check for 10% required. C. A. Hunt, County Clerk.

HOTELS

New Plans Being Prepared.
HOTEL, ETC. Cost, $103,000
TAFT, Kern Co., Cal.
Three-story reinforced concrete store and hotel building.
Owner—Withheld.
Architect—Eugene K. Martin, Arlington Bldg., Bakersfield.
New plans will be ready for figures in about a month.

Plans to be Prepared.
HOTEL Cost, $——
SONOMA, Sonoma Co.
Fireproof hotel, 40 or 50 rooms with baths.
Owner—Sam Sebastiani, Sonoma, Cal.
Architect—Not given.
(39741) R-10

Contract Awarded.
LODGING HOUSE Cost, $15,000
MARYSVILLE, Yuba Co., Cal. Fourth and A Streets
Three-story frame and stucco lodging house (35 rooms).
Owner—Sabina Uriz and wife, Marysville.
Architect—Not Given.
Contractor—W. A. Sabin, Marysville.

FRESNO, Fresno Co., Cal.—The San Joaquin Valley Hotel Co. of Los Angeles is planning the erection of a large hotel building in this city. The company is also planning the erection of hotels at Tulare and Dinuba in Tulare county and one in Reedley, Fresno county. Officers of the company, all Los Angeles businessmen, are:
William W. Paden, president; C. H. Price, vice president; E. M. Whilton, secretary; William Murphy, director.

PUBLIC BUILDINGS

BAKERSFIELD, Kern Co., Cal. — Until Aug. 15, 8 p. m., bids will be received by V. Van Riper, City Clerk, for constructing reinforced concrete comfort station in Jastro Park at Myrtle and 18th Sts. Certified check for 10% payable to City required. Plans may be had from office of R. H. Hubbard, City Engineer.

WOODLAND, Yolo Co., Cal. — Until August 31, 2 p. m., bids will be received by H. R. Saunders, County Clerk, for furnishing and installing a flood lighting system for the Yolo County Courthouse. Certified check for 10% payable to County required with each bid. Specifications on file in office of Clerk.

RESIDENCES

Plans Completed.
RESIDENCE Cost, $60,000
SAN FRANCISCO. Pierce and Jackson Streets.
Three-story and basement frame and plaster residence (12 rooms, 5 bathroom, 6 servants' rooms and garage.)
Owner—Samuel Pauson of Pauson & Co., 200 Kearny St., San Francisco.
Architect — S. L. Hyman, Foxcroft Bldg., San Francisco.
Figures will be taken as soon as the present labor conditions are settled.

Plans Being Prepared.
RESIDENCE Cost, $17,000
SAN FRANCISCO. St. Francis Wood.
Two-story and basement frame and plaster Colonial residence (9 rooms 2 bathrooms and garage).
Owner—Lee Piersol.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Plans will be ready for figures in about three weeks.

Plans Being Figured—Bids Close Aug. 24, 8 p. m.
ERECTION $——
LOS BANOS, Merced Co., Calif.
Erection of keeper's cottage at waterworks site.
Owner—City of Los Banos, Searcy D. McPhail, Clerk.
Architect—Guy H. Wilson.
Certified check for 10% payable to city required with each bid. Plans may be had from city clerk.

Plans Complete — Sub-figures Being Taken by Owner.
FRAME RESIDENCE Cost, $6,000
SAN FRANCISCO. N. Broadway 154-6 W. Baker.
2-story and basement frame residence.
Owner—Saretta B. Hindes, 2519 Broadway.
Architects—Fred Meyer and A. L. Johnson, 742 Market St.
Mr. Hindes is connected with the San Francisco Bridge Co. and is out of town at the present time. A permit for the foundation has been applied for and will cost $6,000.

Plans Being Prepared.
RESIDENCE Cost, $15,000
PIEDMONT Ashmont Ave.
2-story frame and plastered residence, 9 rooms and 2 bathrooms.
Owner—John Okell.
Architect—W. E. Milwain, Albany Blk., Piedmont.

Segregated Figures Being Taken.
RESIDENCE Cost, $——
VACAVILLE, Solano Co., Cal.
Two-story frame and plaster residence and separate garage (10 rooms and 3 bathrooms).
Owner—C. M. Hartley, Vacaville, Cal.
Architects—Reed & Corlett, Oakland, Bank of Savings Bldg., Oakland.

SCHOOLS

Plans Being Figured—Bids Close Aug 18, 1921, 2 p. m.
GYMNASIUM, ETC. Cost, $25,000
SONORA, Tuolumne Co., Cal.
Two-story reinforced concrete gymnasium and auditorium.
Owner—Sonora High School District.
Architect — Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Ready for Figures in About Two Weeks
SCHOOLS Cost, $150,000
HAYWARD, Alameda Co., Cal.
Two 1 and 2-story reinforced concrete schools (4 & 10 rooms & auditorium each)
Owner—Hayward Grammar School Dist
Architect—Henry C. Smith, Humboldt Bank Bldg., S. F.

Plans Completed and Ready for Approval.
SCHOOL Cost, $——
PALO ALTO, Santa Clara Co., Cal.
One-story frame and stucco grammar school.
Owner—Palo Alto School District.
Architects—Chas. K. Sumner and Wm. C. Hays, Mechanic Institute Bldg., San Francisco.
Plans will be submitted to the Board for approval on August 5th.

Plans Being Figured—Bids Close Aug 15, 1921, 7:30 P. M.
SCHOOL Cost, $——
PLACENTIA, Orange Co., Cal.
Hollow tile school (4 rooms and an auditorium).
Owner—Placentia School District.
Architect—Arthur W. Angel, 5521 Central Ave., Los Angeles.
Separate bids will be received for a general contract, plumbing and heating

Commissioned to Prepare Plans.
SCHOOL Cost, $——
SEAL BEACH, Orange Co., Cal.
Grammar school.
Owner—Seal Beach Board of Education
Architect—H. Alfred Anderson, Palace Theatre Bldg., Long Beach.

Plans Being Figured.—Bids Close Aug. 19, 1921, 4 P. M.
SCHOOL Cost, $——
VENICE, Los Angeles Co., Cal. Evangeline Avenue near Trolleyway.
Eight-room brick school.
Owner—Venice City School District.
Architect — Edwin Bergstrom, [illegible] Citizens National Bank Bldg., Los Angeles.
Separate bids will be taken for general work, plumbing, gas heating, electric work, painting, [illegible] and blackboards.

Plans Being Prepared—Bids Close Aug 20, 3 p. m.
ADDITION $——
BAKERSFIELD, Kern Co., Calif.
Addition to [illegible] for Progress

school building; separate bids for constructing 4-room teacherage.
Owner—Orelena School District; Mrs. Edna Hill, Clerk.
Architect—J. M. Saffell, 924 19th st., Bakersfield, Calif.
Certified check of 10% payable to clerk required with each bid. Plans may be had from office of architect.

Contract Awarded.
SCIENCE BLDG. Cost, $24,000
WASCO, Kern Co., Cal.
Reinforced concrete science building.
Owner—Wasco High School District.
Architect—Eugene K. Martin, Arlington Bldg., Bakersfield.
Contractor—August Zimmerman.

Contract Awarded.
ADDITION Cost, $11,000
DELANO, Kern Co., Cal.
Addition to school.
Owner—Delano Grammar School Dist.
Architect—Eugene K. Martin, Arlington Bldg., Bakersfield.
Contractor—F. S. Bales, Delano.

Plans Being Figured—Bids Close Aug. 20, 2:30 p. m.
ADDITION $——
GRANGEVILLE, Kings Co., Cal.
Addition to Grammar School.
E. E. Groat, Clerk, P. O. Box 297, Hanford, Calif.
Architect—Ernest J. Kump, 207-8 Rowell Bldg., Fresno, Calif.
Certified check 10% payable to clerk of district required with each bid. Plans may be had from office of the architect.

Bids Rejected.
SCHOOL Cost, $——
SAN LUIS OBISPO, San Luis Obispo Co.
One-story masonry and frame school (South End School).
Owner—San Luis Obispo School District (Ruth Merritt, Clerk).
Architect—Oroville L. Clark, Brower Bldg., Bakersfield.
The lowest bids were submitted by Cobby & Owsley, 180 Jessie St., San Francisco, and Dan Wagner, Call Bldg., San Francisco, at approximately $45,000.

Plans Being Figured—Bids Close Aug. 19, 1921, 7:30 p. m.
SCHOOL Cost $75,000
LOMPOC, Santa Barbara Co., Cal.
Hollow tile 9-room school.
Owner—Lompoc School District.
Architect—R. C. Farrell, 444 I. W. Hellman Bldg., Los Angeles.
Separate bids will be taken for the general contract, plumbing, heating, electrical work and painting.

OAKLAND, Cal.—The following bids were received on August 8th by Lloyd D. Barzee, Secretary of the Oakland Board of Education, for heating and plumbing for the girls' gymnasium at 45th St. and Broadway.

Heating

Scott Co.	$7,236
W. H. Picard	7,357
Carl T. Doell	7,400
Jas. Rankin & Son	7,579
P. J. Enwright	7,750

Plumbing

W. H. Picard	$3,555
Carl T. Doell	3,624
J. B. Cruz	3,975
Scott Co.	4,074
Jas. Rankin & Son	4,635

SALINAS, Monterey Co., Cal.—Until Aug. 20, 7:30 p. m., bids will be received by A. Schnittspan, clerk, Elkhorn School District, R. F. D. Route 161, Box 2, Salinas, for furnishing and delivering to Elkhorn school on old Toll road, lumber, finish, shingles, frames, sash and doors, rough hardware and other building materials in accordance with specifications on file in office of Architects Tuttle & Angel, 565 Lighthouse ave., Pacific Grove. Materials are required to complete one-room addition to present school.

LOS ANGELES, Cal.—Bavin & Burch Co., 173 E. Jefferson St., L. A., was awarded the general contract at $74,349 for brick gymnasium at Polytechnic High School, Washington and Hope Sts., L. A. E. W. Crowell Co., 744 San Pedro St., L. A., was awarded the contract at $5945 for plumbing; Thos. Haverty Co., 8th and Maple Ave., L. A., the contract at $13,105 for heating; D. Zelinsky & Sons, 729 W. 9th St., L. A., the contract at $3750 for painting, and Renard-Stary Elec. Co., 942 W. 7th St., L. A., the contract at $2503 for electric wiring.

MODESTO, Stanislaus Co., Cal.—Randolph & Ward, Modesto, at $1,900 awarded contract by Trustees of Belpassi School District for constructing a new school building. Other bidders were: Miller & Livingston, $1,888 and $1,919; Sherman Co., $2,170; Watts & Tennyson, $2,050; E. G. Dull, $1,912, all of Modesto. John C. Peterson submitted a separate bid for painting at $345.

SEBASTOPOL, Sonoma Co., Cal.—C. E. Donley, Care High School, has been awarded a contract by the Trustees of Analy Union High School District for constructing portable building on the school grounds. G. W. Faugth is Clerk of the district.

SAN FRANCISCO.—Until August 17, 3 p. m., bids will be received by Board of Public Works for heating and ventilating system in Emerson school, now under construction in Pine St. bet. Scott and Divisadero Sts. Estimated cost, $10,000; bond fixed at $2500. Plans may be had from Bureau of Architecture, 2nd floor, City Hall.

SAN FRANCISCO.—Board of Supervisors requested to appropriate $20,200 to finance the preparation of plans for the proposed Horace Mann School in Valencia St. bet. 23rd and 24th Sts.

ALHAMBRA, Los Angeles Co., Cal.—Until 7:30 p. m., Aug. 18, sealed bids will be received by Board of Education of Alhambra City High School Dist. for the following work: (1) Plumbing for old high school building; (2) lighting fixtures for commercial building; (3) window shades for commercial building; (4) rolling partitions for gymnasium building, bids to be in accordance with plans and specifications of Architects Allison & Allison, 1403 Hibernian Bldg., Los Angeles.

VENICE, Los Angeles Co., Cal.—J. F. Kobler, 918 W. 8th st., submitted the lowest bid at $16,444 on the general contract for erecting a 4-room brick grammar school on the Machado school site at Venice. J. B. Harris, 808 Westchester Pl., Los Angeles, will be the lowest bidder if composition roof is used instead of tile roof. Edwin Bergstrom, 1128 Citizens National Bank Bldg., Los Angeles, architect.
The following submitted the lowest bids on other portions of the work:
Plumbing—Venice Sanitary Plumbing Co., $165; J. Hokom, $319.
Electrical Work—Standard Electric Co., $515; F. B. Potter, $520.
Plastering—J. F. Atkinson, $850; J. F. Kobler, $946.
Painting—Alhambra Wall Paper & Paint Co., $635; D. Zelinsky, $800.
Heating—Gowdy-Bailhache Co., $266; Williams Radiator Corp., $630.95.
Blackboards—Pacific Coast Blackboard Co., $277; C. F. Weber Co., $334.

FRESNO, Fresno Co., Cal. — Until August 15, 5 p. m., bids will be received by L. L. Smith, Secretary, Board of Education, 2525 Tuolumne St., for grading yard and grounds of the Kirk School. Certified check for 10% required with each bid. Specifications may be had from Secretary.

RIVERBANK, Stanislaus Co., Cal.—The following bids were received on August 8th, by the Board of Trustees of the Riverbank School District for the construction of a new masonry grammar school building from plans prepared by Architect Jas. H. Hoose, Ramont Bldg., Modesto. All bids were taken under advisement until August 11th. Bids were taken as follows: Building complete, alternate 1, Heath or Mastertile; (2) reinforced concrete; (3) universal windows; (4) fan and motors in heating system; (5) bookcases in clockroom.
Ubel & Van Til, Ripon.....$20,250
(1) deduct $350; (2) add $——; (3) add $377; (4) deduct $160; (5) deduct $182.
Miller & Livingston, Modesto...$22,666
(1) $400; (2) $——; (3) $334; (4) $90; (5) $175.
Randolps & Ward, Modesto.....$22,800
(1) $325; (2) $——; (3) $500; (4) $150; (5) $175.
J. I. Webster, Chico.....$22,887
(1) $300; (2) $300; (3) deduct $900; (4) $400; (5) $175.
Tornell & Son, Turlock.....$23,600
(1) $740; (2) $——; (3) $——; (4) $115; (5) $175.
W. A. Stevens & Sons, Modesto.$24,157
(1) $342; (2) $850; (3) $575; (4) $175; (5) $175.
Collman & Speidel, S. F.....$25,187
(1) $150; (2) $150; (3) $450; (4) $477; (5) $160.

STORES AND OFFICES

Sub-Figures to Be Taken Shortly.
STORE BUILDING Cost, $12,500
SAN FRANCISCO. S. E. 20th Ave. and Geary St.
1-story frame store building (3 stores).
Owner—W. A. Savage, 81 7th Ave.
Architects—Morrow & Garren, Chronicle Bldg.
Work will be started as soon as the present labor conditions are settled.

Contract Awarded.
BAKERY AND RES. Cost, $13,500
SAN FRANCISCO. N Fulton 27-6 W Octavia.
2-story reinforced concrete bakery and residence.
Owner—National Pie Co., 163 Kisling.
Architect—None.
Contractor—Dodge A. Riedy, 850 Pacific Bldg.

Contract Awarded.
NEWSPAPER Cost, $——
HOLLYWOOD, Los Angeles Co., Cal.
Hollywood Blvd. & Cosmo St.
Three-story & basement reinforced concrete offices & newspaper plant 50x150.
Owner—Palmer Building Corp.
Architect—Edw. T. Flaherty, 434 I. W. Hellman Bldg., Los Angeles.
Contractor—C. L. Peck, 721 H. W. Hellman Bldg., Los Angeles.

THEATRES

Plans Complete.
THEATRE Cost, $300,000
SAN FRANCISCO. S GEARY 137-6 W Mason.
Class A Theatre.
Owner—Curran Theatre Co.
Architect—Alfred Henry Jacobs, 110 Sutter St.

Official Proposals

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 6th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Tuolumne County, Between Westerly Boundary and one mile north of Keystone (III-Tuo-13-A), about 9.4 miles in length, to be paved with Portland cement concrete.

Tuolumne County, Between Jamestown and Sonora (III-Tuo-13-B), about 3.5 miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank forms of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN P. GALVIN,
Secretary.

Dated August 8, 1921.

BIDS WANTED FOR BUILDING

NOTICE TO GENERAL CONTRACTORS

SEALED BIDS will be received **up to 2 P. M., August 16th, 1921.** Address to John C. Gibson and mark (Bids for Gibson Building) or may be left at the Law Office of A. E. Campbell, 1024 Chorro street, San Luis Obispo, Calif., which place has been selected to open same on day and hour above written. Bids will be for the Building complete as shown and called for, and may be in two ways. 1st: In accordance with plans; substituting reinforced concrete for structural steel shown in floor design and [illegible] and according to reinforced concrete floor plan.

2nd: Substituting reinforced concrete [illegible] of brick and as specified in [illegible] work and cement work of basement and general specifications. The bid or bidders awarded contract will be required to give a good and sufficient bond in the sum of twenty-five (25) per cent of contract price for the protection of the owner, and a further and like bond in the sum of fifty (50) per cent for the protection of labor and material furnishers. Building to be completed in one hundred (100) working days from date of contract.

The owner reserves the right to accept or reject any and all bids. Plans, specifications and information can be had from

C. E. BOOSINGER,
209 Brizzolara St.,
San Luis Obispo, Calif.

BIDS WANTED FOR ALTERATIONS TO POST OFFICE BUILDING

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 23, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., August 29, 1921, for alterations to the United States Post Office Building at Eugene, Oregon. Drawings and specifications may be obtained from the Custodian at Eugene, Oregon, or at this Office in the discretion of the Suprevising Architect. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR PAINTING COURTHOUSE

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors of the County of Colusa, State of California.

Pursuant to an order of the Board of Supervisors of the County of Colusa, State of California, made and entered on record on the 2nd day of August, 1921.

Notice is hereby given that sealed bids will be received up to and not later than the hour of **2 o'clock p. m. of the 24th day of August, 1921,** at the office of the Clerk of the Board of Supervisors, in the Hall of Records, in the town of Colusa, County of Colusa, for furnishing of all labor, materials and mechanical workmanship necessary for painting in connection with alterations to Colusa County Courthouse, in accordance with the plans and specifications prepared therefor by J. S. Gould, and adopted by the Board of Supervisors of the County of Colusa, which plans and specifications may be seen and examined at the office of Clerk of the Board.

All bids must be marked For Painting in Connection With the Alterations of the Colusa County Courthouse, and must be accompanied by a certified check on some solvent bank in a sum equal to 10 per cent of the amount of each bid, conditioned that if the contract is awarded, the party submitting the accepted bid will enter into a contract and furnish such bond as may be required within ten days after making award or, failing so to do, the amount of such check will be forfeited as liquidated damages for such failure. All checks must be made payable to the Chairman of the Board of Supervisors.

The right is hereby reserved to reject any and all bids.

By order of the Board of Supervisors of Colusa County, Cal.

C. J. WESCOTT,
Chairman of Said Board.
Attest: T. D. CAIN,
Clerk of Said Board.

BIDS WANTED FOR SERVICE BUILDING

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received and opened by the Hospital Central Committee for the Counties of Amador, Colusa, Contra Costa, El Dorado, Placer, Plumas, Sacramento, Sutter, Tuolumne, Yolo and Yuba, State of California, **up to 1 o'clock P. M., on the 30th day of August,** at the Supervisors' Room, Courthouse, at Sacramento, Sacramento County, California, for the erection and completion of a concrete and frame service building with alternate for tile in accordance with plans and specifications for the same by W. H. Weeks, the authorized architect employed by the Hospital Central Committee.

Bids will be received on the work as a whole.

Plans and specifications can be secured from the office of the architect W. H. Weeks, 75 Post St., San Francisco, California.

A deposit of Ten ($10.00) Dollars cash will be required on all plans loaned out, as a guarantee of good faith.

All bids must be made out on blank forms furnished by the architect and must be accompanied by a certified check for not less than five (5%) per cent of the amount bid, made payable to R. E. Callahan, Chairman of the Hospital Central Committee, and certified to by some responsible banking house. This check is to be forfeited in the event that the successful bidder after having been awarded the contract, fails within ten days to sign the contract and furnish a good and sufficient bond as required by law.

The Committee reserves the right to reject any and all bids.

Dated at Sacramento, August 4, 1921.

HOSPITAL CENTRAL COMMITTEE,
By Robert E. Callahan, Chairman.

BIDS WANTED FOR ELECTRIC FREIGHT ELEVATOR

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 5, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., August 30, 1921, for the installation complete of one electric freight elevator in the United States New Post Office at Portland, Oregon, in accordance with drawings and specifications, copies of which may be had at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR ELEVATOR ENCLOSURE

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 5, 1921.—SEALED PROPOSALS will be received in this office **until 3 P. M., August 30, 1921,** and then opened for the construction of Elevator Enclosure, Wire Mesh Partitions, stairs to closet, etc., at the United States New Post Office, Portland, Oregon, in accordance with the specifications and drawings, copies of which may be obtained at this office or at the Office of the Custodian, Portland, Oregon, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

NOTICE TO SCHOOL FURNITURE DEALERS

NOTICE IS HEREBY GIVEN by the Board of Education, Vallejo School District, that sealed bids will be received on file in the Office of the Board of Education, Rooms 1 and 2, Masonic Temple, Vallejo,

Bids [illegible] Cave, Secretary, Board of Education, Rooms [illegible] Masonic Temple, Vallejo, **before eight o'clock P. M., on Tuesday, August 23, 1921.**

A certified check of five per cent (5%) of the amount of bid must accompany each bid.

The Board of Education reserves the right to reject any and all bids.

[illegible] School District.

Dated at Vallejo, California, this 4th day of August, 1921.

NOTICE INVITING SEALED PROPOSALS

For the Construction of an Elementary School Building at Merced

Notice is hereby given, by the Board of Trustees of the Merced School District at Merced, Merced County, California, that bids will be received by said Board for the erection and construction of a new Elementary School Building at Merced in said district.

Plans and specifications may be obtained from the Clerk of the Board at Merced, or from the architect, Norman R. Coulter, 46 Kearny street, San Francisco, California. A deposit of ten ($10) dollars will be required for each set of plans.

All bids will be opened by the said Board of Trustees on the **22nd Day of August, at 8 o'clock P. M.,** at the Merced school building, and all bids must be delivered to Mr. J. Spagnoli, Clerk of said Board, before said hour, enclosed in sealed envelopes and marked on the outside "Bids for Construction of Elementary School Building at Merced."

All bids must be accompanied by a certified check, cash or a certificate of deposit equal to ten per cent of the amount bid; checks or certificates of deposit to be made payable to the Board of Trustees and to be returned to the party or parties whose bid or bids are not accepted and to the party whose bid is accepted upon his entering into a contract with the said School District and giving such bonds as may be required by law or said Board.

The Board of Trustees reserves the right to reject any and all bids.

J. W. SPAGNOLI,
Clerk of the Board of Trustees of the Merced Elementary School District, Merced County, California.

BIDS WANTED FOR SCHOOL BUILDING

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Woods School District, Woodbridge, California, at the office of said Board at the School House of said District, located in the town of Woodbridge, County of San Joaquin, State of California, **until 3 o'clock P. M., Saturday, August 27, 1921,** for the erection of a school building to be built in Woodbridge, California, according to plans and specifications prepared for the same by the George C. Sellon and Company, the authorized architects.

Plans and specifications can be seen at the residence of the Clerk of said Board of Trustees, at Woodbridge, California, and may be seen at or obtained from the office of the Architects, 202 Mitau Building, Sacramento, California. A cash deposit of $25.00 will be required from all prospective bidders on all copies of plans and specifications loaned out, as a guarantee of the same being returned.

All shall be presented on blank forms which may be procured at the office of architects. Each bid must be accompanied by a certified check on some responsible California bank for a sum of not less than ten per centum (10%) of the amount of the bid, made payable to Geo. M. Bancroft, Clerk of the Board of Trustees, as a guarantee of good faith that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for faithful performance of said work, and in case the bidder to whom the contract is awarded fails or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said school District in the manner provided by law. Each bid must be enclosed in a sealed envelope and addressed to Geo. M. Bancroft, Clerk of the Board of Trustees of Woods School District, Woodbridge, California, and endorsed "Proposal for building school."

The Board of Trustees expressly reserve the right to reject any or all bids.

By order of the Board of Trustees of Woods School District, Woodbridge, San Joaquin County, California.

Dated August 3, 1921.
Signed: GEO. M. BANCROFT,
Signed: MARTHA D. GARRISON,
Signed: L. T. MASON,
Trustees.

BIDS WANTED FOR ALTERATIONS TO COURTHOUSE

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors of the County of Colusa, State of California.

Pursuant to an order of the Board of Supervisors of the County of Colusa, State of California, made and entered on record on the 2nd day of August, 1921.

Notice is hereby given that sealed bids will be received up to and not later than the hour of **2 o'clock p. m. of the 24th day of August, 1921,** at the office of the Clerk of the Board of Supervisors, in the Hall of Records, in the town of Colusa, County of Colusa, for furnishing of all labor, materials and mechanical workmanship necessary for addition, all work in connection with alterations to Colusa County Courthouse, in accordance with the plans and specifications prepared therefor by J. S. Gould and adopted by the Board of Supervisors of the County of Colusa, which plans and specifications may be seen and examined at the office of the Clerk of the Board.

All bids must be marked For Additional Work in Connection with the Alterations of the Colusa County Courthouse, and must be accompanied by a certified check on some solvent bank in a sum equal to 10 per cent of the amount of each bid, conditioned that if the contract is awarded, the party submitting the accepted bid will enter into a contract and furnish such bond as may be required within ten days after making award or, failing so to do, the amount of such check will be forfeited as liquidated damages for such failure. All checks must be made payable to the Chairman of the Board of Supervisors.

The right is hereby reserved to reject any and all bids.

By order of the Board of Supervisors of Colusa County, Cal.

C. J. WESCOTT,
Chairman of Said Board.
Attest: T. D. CAIN,
Clerk of Said Board.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento., Cal., until 2 o'clock P. M., on August 29th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Marin and Sonoma Counties, between Ignacio and Fairville (IV-Mrn-Son-8-A), about 9.5 miles in length, to be paved either with Portland cement concrete or asphaltic concrete.

Santa Barbara County, between San Jose Creek and Stony Creek (V-SB-2-K), about 2.0 miles in length, to be paved with Portland cement concrete.

Los Angeles County, between Rancho El Encino and Shoup Avenue (VII-L.A.-2-B), about 5.7 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract and specifications may be obtained at said offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated August 1, 1921.

BIDS WANTED FOR OVERHEAD CROSSING

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors, Alameda County, Cal.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, until **Monday, August 22, 1921, at 10 o'clock** a. m., (the day when said bids will be opened and the contract awarded) for the construction of a reinforced concrete overhead crossing on County Road 818, over the tracks of the Central Pacific Railway, east of Altamont, Murray Township, Alameda County, Cal.

Plans and specifications on file in the office of the County Clerk, open to inspection.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or give the bond required by the Board for the faithful performance of the Contract.

(Seal) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.

TO CALL BIDS FOR STEEL SUPERSTRUCTURE

NOTICE TO CONTRACTORS

Proposals will be opened in the near future on Specification No. 4464 for erection of steel superstructure for new machine shop, Naval Station, Pearl Harbor, T. H.

The work covers the erection of the steel work for the new machine shop which will be rectangular in shape, 1 story high, 181 ft. 3½ in. wide, and 520 ft. long, measured between column center lines. Bottom chords of main trusses will be approximately 50 ft. above main column bases. All structural steel will be furnished by the Government.

Plans and specifications will be available for distribution shortly and will be forwarded when available upon the receipt of check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, as security for their safe return.

R. L. MARTIN,
Lieut. Comdr. (CEC) U. S. Navy,
By direction, Public Works Officer.

TO CALL BIDS FOR RIPRAPPING

NOTICE TO CONTRACTORS

The Bureau of Yards and Docks will shortly open proposals on Specification No. 4390 for riprapping Dike No. 12 at the Mare Island Navy Yard.

The work includes the excavation of approximately 100,000 cu. yds. of rock at the southerly end of Mare Island, and the depositing thereof outside of Dike No. 12.

Plans and specifications may be had when available upon depositing check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, as security for their safe return.

R. L. MARTIN,
Lieut. Comdr. (CEC) U. S. Navy,
By direction, Public Works Officer.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SACRAMENTO, Cal. — Improvements planned by the State Reclamation Board on the Sacramento River in the vicinity of Hood will cost approximately $200,000.

STOCKTON, San Joaquin Co., Cal.—Following bids received by Supervisors for bridge construction and were taken under advisement:

Linden road bridge, Davison & Nicolsen, San Francisco, $17,794; Cowden-Broderick Co., San Francisco, $20,350; Jenkins & Elton, Sacramento, $18,168; Rocca & Caletti, San Rafael, $21,439; Shepherd & Riley, Stockton, $21,706; E. H. Martin & Co., Oakland, $19,260; Miller & Nommensen, San Jose, $18,791.

Waterloo bridge, Jenkins & Elton, $13,937; Cowden-Broderick Co., $15,290; Davison & Nicolsen, $15,014; Rocca & Caletti, $17,159; M. B. White, Stockton, $16,988; Shepherd & Riley, $17,054; E. H. Martin & Co., $15,091; Miller & Nommensen, $15,656.

E. H. Martin & Co. offered to build both structures for $33,053.24, and Rocca & Caletti, both structures for $37,500. F. E. Quail, County Engineer.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—West Coast Const. Co., 519 California St., San Francisco, at $35,880 awarded contract by Supervisors for constructing reinforced concrete bridge over Estrella River on the State highway. Seven bids were received ranging as high as $42,000. Warren Burch, County Engineer.

STOCKTON, San Joaquin Co., Cal.—Davidson & Nicholsen, San Francisco, awarded contract by Supervisors to construct Linden bridge at $17,794. Jenkins & Elton, 36th and Y Sts., Sacramento, awarded contract to build Waterloo bridge at $13,937. F. E. Quail, County Engineer.

OAKLAND, Cal.—The City Council, Eugene K. Sturgis, Clerk, passes resolution of intention to construct reinforced concrete culvert, internal dimensions 5 ft. 10 in. in height by 5 ft. in width, in Haddon road between Excelsior Ave. and Trestle Glen road. Imp. Act 1911. Geo. Mattis, City Engineer.

RED BLUFF, Tehama Co., Cal.—Gay & Thompson, Orland, at $10,321 were awarded a contract by the Supervisors for constructing a reinforced concrete bridge [illegible] feet long, and J. L. Webster, Chico, at $1,027 for constructing a reinforced concrete bridge 16 feet long. Both structures are between the towns of Los Molinas and Tehama. Following is a complete list of bids received:

Hart Constr. Co., Gerber (bridge No. 1) $11,950, (2) $1200. Bordwell & Zimmerman, Calistoga (1) $11,158; (2) $1075, combined, $11,987; R. B. McKenzie, Gerber, combined 1 and 2, $8545. Was allowed to withdraw bid; I. W. Brunk, Flournoy (1) $12,885, (2) $1380; Pacific Constr. Co., San Francisco, (1) $11,990; J. L. Webster, Chico (1) $11,360, (2) $1027; Gay & Thompson, Orland (1) $10,321; (2) $1200.

W. F. Lunning, County Engineer.

SAN FRANCISCO.—Bid of American Dredging Co. for improving San Rafael Canal exceeds amount available by $14,000 and will probably be rejected. Bids opened by U. S. Engineer Office, Customhouse.

PLACERVILLE, El Dorado Co., Cal.—The El Dorado Water Co. announces early construction of its proposed reservoir on the Webber Creek water shed with an impounding capacity of 3000 acre ft.

SAN BERNARDINO, Cal.—City Engineer C. E. Johnson has practically completed plans for the Mt. Vernon bridge to be constructed across Lytle Creek. Bids will be advertised for shortly.

YUBA CITY, Sutter Co., Cal.—Trustees of Reclamation District No. 777 in the vicinity of Live Oak are planning to clean ditches, deepen the main ditch and laterals from 1 to 2 ft. and to deepen all drains 4 ft. Engineers of the district are preparing estimates of cost.

LOS ANGELES, Cal.—C. A. Fellows, Central Bldg., awarded contract at $86,700 for constructing a reinforced concrete bridge over Rio Hondo on El Monte-Pomona Road.

LOS ANGELES, Cal.—C. H. Hudson, 508 Marsh-Strong Bldg., awarded contract at $55,399.52 for constructing a concrete dam in Live Oak canyon near La Verne for L. A. County Flood Control District.

PORTLAND, Ore. —Following disposition was made of bids received by State Highway Commission:

Bridge 725—Enterprise-Joseph Section. Awarded to Oscar Oberg of Enterprise, Ore., at $9,895.

Bridge 736—Forest Grove - Gaston Section. Awarded to Bean Construction Co. of Mt. Vernon, Wash., at $1,539.

Bridges 786 to 790—Nelson-Harrington Section. Referred to engineer. Oxman & Harrington, Baker, Ore., at $12,982, low bidders.

Bridges 649 and 770—North Powder-Telocasset Section. Referred to engineer. Low bid submitted by Kenneth Oxman, Baker, Ore., at $7,145.

Bridges 558 and 779—Hot Lake-Union Section. Referred to engineer. G. A. Burnett, Spokane, Wash., low bidder at $11,150.

BAKERSFIELD, Kern Co., Cal.—The State Railroad Commission has ordered the Bakersfield Water Works, supplying East Bakersfield, to improve its service by constructing a 750,000-gallon reservoir.

SALEM, Ore.—State Highway Commission awards contract to C. A. Burnett, Spokane, Wash., to construct 2 bridges over Katherine Creek along Old Oregon Trail in Union County; to Kenneth Oxman and F. C. Oxman of Baker, Ore., to construct bridges over Wolfe and Kimmy Creeks along route of Old Oregon Trail in Union County, and to Union Bridge Co., Portland, Ore., to construct bridge over Grand Ronde River at Perry.

SACRAMENTO, Cal.—City Manager Clyde Seavey and City Engineer Albert Givan are working out details for improving the Sacramento waterfront. It is proposed to dismantel the present wharves and docks and rebuild fireproof docks, two stories in height, allowing for storage space. A bond issue of $250,000 is contemplated to finance the improvements.

OAKLAND, Cal.—The following bids were received on August 2 by Lloyd D. Barzee, Secretary of the Oakland Board of Education, for the grading of lot, construction of culvert and retaining wall, and repairing of fences at the Fremont High School playground, located bet. the Foothill Blvd., Ygnacio, High St. and 45th St.:

E. E. Etherton, S. F.	$ 9,950
Kopperud & Heafey, Okd.	12,500
Guy H. Chick	13,708

REDDING, Shasta Co., Cal.—Until Sept. 7, 10 a. m., bids will be received by S. N. Witherow, County Clerk, for constructing reinforced concrete bridges as follows:

Across Five Mile Gulch on French Gulch and Trinity Center road; across Whitney Gulch on French Gulch and Trinity Center road; across [illegible] Gulch Creek at the town of French Gulch; across Tadpole Creek on the Redding and [illegible] road across [illegible] Gulch on the Cottonwood and Gas Point road; across Lack Creek on the Dersch-Scharsch cutoff road; across [illegible]

Certified check of 10% payable to [illegible] from County Surveyor C. R. Wiegle.

Engineers and Contractors
PLEASE NOTE
We Carry in Stock Here and Sell at Eastern Factory Price
Milburn Carbide Flare Lights
in candle-power from 50 to 12,000
Milburn Oxy-Acetylene Welding and Cutting Apparatus
All Safety Appliances
As Required by Accident Commission
E. D. BULLARD
Distributor for
Alexander Milburn Co.
268 Market St., San Francisco
Phone Douglas 1118

IRRIGATION PROJECTS

OROVILLE, Butte Co., Cal.—Reclamation District No. 833, situated in the Gridley District, plans an expenditure of $200,000 for canal and drainage work; this in addition to work under way.

GRASS VALLEY, Nevada Co., Cal.—Nevada County Irrigation District formed at a recent election. The cost of the first unit of the system is placed at $5,000,000; water to be taken from the upper sheds of the Yuba river and Canyon creek.

SUSANVILLE, Lassen Co., Cal. — Grant Smith Co., Railway Exchange, Portland, Ore., awarded contract by Eagle Lake Irrigation District for construction work. District will furnish water for approximately 25,000 acres.

EL CENTRO, Imperial Co., Cal.—General Manager F. N. Cronholm of the Imperial Irrigation District has recommended that the Colorado River be returned to its original channel, the cost being estimated at more than $3,000,000. This plan will save the district an expenditure of $500,000 a year for maintenance of levees and protection work. Appropriations to start the work under this plan are asked for the coming year as follows: Diverting the river into the Pescadero basin and obstructing the river flow below it to assure diversion through the cut, $150,000; strengthening the Ockerson levee, $90,000; building a small levee on the north side of Bee River from the Ockerson to the diversion south, $25,000; aerial and land surveys of the deltaic ridge from intake to Volcano Lake and of a portion of the old channel to study existent conditions, $10,000; total, $275,000.

TURLOCK, Stanislaus Co., Cal. — Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco, at $3.35 per bbl. awarded contract by directors of Turlock and Modesto Irrigation Districts, acting jointly, for furnishing and delivering 50,000 bbls. of cement for use in the Don Pedro Dam project; cement delivered at Hetch Hetchy Junction. Other bidders were Pacific Portland Cement Co., John Lukey, San Francisco, and two bids offering a foreign brand of cement.

LIGHTING SYSTEMS

ALHAMBRA, Los Angeles Co., Cal.—Moore Elec. Co., Alhambra, were low bidders at $1900 for installing an ornamental lighting system at Alhambra. Other bids were Newbery Elec. Co., $2772; John C. Jacobs, South Pasadena, $2775; Southern Cal. Elec. Co., $2963; C. W. Sparks, $3225; H. H. Walker, $3072. Bids taken under advisement.

FULLERTON, Orange Co., Cal.—Until 7:30 p. m., Aug. 23, bids will be received by City Clerk F. C. Hezmalhalch for constructing ornamental lighting systems on portions of North Spadra road and South Spadra road, on West Commonwealth avenue, including posts, conduits, appliances, etc. The work will be done under three separate contracts; 1911 Improvement Act and 1915 Bond Act. Ben F. Dupuy, City Engineer.

FIRE EQUIPMENT

SACRAMENTO, Cal.—Until Aug. 11, 9 p. m., bids will be received by M. J. Desmond, City Clerk (public auction), for the sale of approximately 1600 ft. of 2½-in. cotton lined double jacket rubber fire hose without couplings, no longer required by the fire department.

RAILROADS

SAN FRANCISCO.—Until Aug. 23, 12 M., bids will be received by F. W. Taylor, Purchasing Agent, Southern Pacific Co., Room 952, Southern Pacific Bldg., for furnishing and delivering boiler, fire box, and tank steel, blue annealed and galvanized sheets and steel bars and shapes.

MACHINERY

SAN JOSE, Santa Clara Co., Cal. — Until August 16, 11 a. m., bids will be received by County Supervisors, Henry A. Pfister, Clerk, for furnishing and delivering for a 10 E. Foote wheel paving mixer, having a capacity of 11½ cu. ft. wet mixed concrete, with 2-speed reversible traction, hand-steering wheel, traction brake, combination end loading skip, automatic water tank, operating platform and 15-ft. gravity distributing chute.

For a 4-ton trailer. Shall be of the reversible type, having a steel frame, the main members of which shall be of 6-in. channel or 1 beam construction; the springs shall be 3½ in. wide, axles shall be drop forged steel, etc.

For 1 lathe. Shall be what is known as a Mueller 18 in. by 12 in. bed, standard 3-step cone, double back geared, quick change screw-cutting engine lathe, complete with counter shaft and regular equipment.

For 1 or more 3½-4-ton truck, having 7-speed compound transmission, gross capacity 9000 lbs.; frame, pressed steel, channel 8 in. deep, 5-16 in. thick, 3-in. flange, bumper of 6-in. channel steel built integral with frame, hot-riveted throughout.

Certified check for 10% payable to County Clerk required with each bid. Specifications may be seen at office of Clerk. Irving Ryder, County Engineer.

VISALIA, Tulare Co., Cal.—Until August 16, 7:30 P. M., bids will be received by C. T. Pool, Clerk, Visalia Union High School District, for furnishing and delivering 2 auto trucks, with bus bodies, seating 34 with driver; for transporting pupils of the district. Bids will be taken under the following segregations: (1) For chassis, motor and bus body, with the capacity aforesaid, combined; (2) For chassis and motor without bus body, equipment to be same as above; (3) For bus body, without chassis or motor, equipment as stated above.

SACRAMENTO, Cal.—Cass Amacker, 614 N St., Sacramento, at $2,650 awarded contract by the Supervisors for constructing a ferry to be operated on Georgiana slough near Isleton. Only other bidder was Nunes Bros., Sacramento, at $2,975. Drury Butler, is County Engineer.

ELK GROVE, Sacramento Co., Cal.—Until August 18, 7:30 p. m., bids will be received by S. R. Gage, Elk Grove Union High School District, for furnishing and delivering one 25-passenger, motor driven school bus. Bids will be considered for furnishing complete (1) ¾-ton White truck chassis, or equal; (2) for furnishing and installing on truck chassis two 25-passenger body. Specifications may be had from Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—Bids received by Council for furnishing and delivering cast and wrought iron pipe and fittings taken under advisement. Bids received from Republic Supply Co., R. D. Wood & Co., U. S. Cast Iron Pipe & Foundry Co., American Cast Iron Pipe Co., San Francisco Steel Products Co., and the California Steam Plumbing & Supply Co., who bid on wrought iron pipe only. James K. James, City Engineer.

SACRAMENTO, Cal.—City Commissioners reject bids received for sale of motor in city waterworks department. Offers were T. C. Herman, $1000; R. O. Conrad, $500; Hill Elec. Mfg. Co. $1550. Commissioners are of the opinion the motor is worth $2500.

LOS ANGELES, Cal.—The California Gypsum Corp., 731 Pacific Finance Bldg., will purchase a steam shovel, crusher, etc., for its proposed 1000-ton gypsum plant in Imperial Valley. R. W. Waterman is chief engineer. Cost of crushing plant, shovel and quarry equipment estimated at $100,000.

SAN FRANCISCO. — Elec. Appliance Co., San Francisco, awarded contract by Supervisors for furnishing and delivering underground cables required by the Dept. of Electricity.

EUREKA, Humboldt Co., Cal.—Until Aug. 16, 5 p. m., bids will be received by Jno. Griffiths, Superintendent of Public Works, for furnishing f. o. b. steamer, San Francisco, 12,000 ft. 2-in. standard black pipe, random lengths. Specifications may be had from superintendent, 624 D St., Eureka.

SACRAMENTO, Cal. — Pacific Pipe Co. at $62.38 per hundred ft. awarded contract by City Commissioners for furnishing and delivering 900 ft. 6-in. joint steel pipe.

MODESTO, Stanislaus Co., Cal.—Until Aug. 22, 7:30 p. m., bids will be received by Kathleen G. Prewhett, Clerk, Modesto High School District, for furnishing and delivering two manual training lathes and one printing press for Modesto high school. Certified check 10% payable to district required with each bid. Specification may be had from clerk.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

HOLLISTER, San Benito Co., Cal.—Town Trustees, D. F. H. McPhail, Clerk, passes resolution of intention to improve:

East half of Monterey St. from B St. to south town limits.

Sixth St. from Sally to College.

Seventh St. from East to West Sts.

Haydon St. from San Benito to West; all by grading, paving with cement concrete 5 in. thick and constructing concrete curbs. Imp. Act 1911. Protests will be heard August 15. Alfred M. McCray, Town Engineer.

MARTINEZ, Contra Costa Co., Cal.—Kopperud & Heafey, 2030 High St., Oakland, awarded contract by Supervisors for extension of Division No

, county highway system, at $8388.

Hutchinson Co., 444 17th St., Oakland, t $5320 awarded contract for placing sphaltic top on tunnel highway at 5320. R. R. Arnold, County Engineer.

VALLEJO, Solano Co., Cal.—Repair-ng of 4th St. in South Vallejo will ost $4000, according to City Engineer . D. Kilkenny. Funds will be available for the work in November.

OROVILLE, Butte Co., Cal. — J. J. IcHugh, Foxcroft Bldg., San Francisco, at $32,877 submits only bid to upervisors for constructing Gridley olonies roads; bid rejected and work rdered done by day labor under the upervision of County Engineer H. H. lume.

THE DALLES, Ore. — United Contracting Co., Portland, at $49,262 was warded contract by County Court for onstructing 7½ miles of macadam oad.

FRESNO, Fresno Co., Cal. — Supervisors approve plans of County Road Engineer Chris P. Jensen for paving Elm Ave., known as Route 11, Section , County highway system. Bids have een ordered called to be opened eptember 5.

SAN JOSE, Santa Clara Co., Cal. — County Engineer Irving Ryder instructed to prepare specifications for nproving Mount Hamilton road from upervisor Dist. No. 2 to Smith Creek; lso instructed to repair Pierce road n Supervisor Dist. No. 5; and to make survey of Stockton Ave., and vicinity or the purpose of making a storm vater drainage.

SEATTLE, Wash.—Fiorito Bros., New York Block, at $213,593 submits only id to Council for paving 15th Ave. NW. Bid taken under advisement.

MARTINEZ, Contra Costa Co., Cal.—Hutchinson Co., 444 17th St., Oakland, t $13,500 awarded contract by Supervisors for furnishing 15,000 tons of ock and screenings for use on the ounty highway system. R. R. Arnold, County Engineer.

EUREKA, Nevada.—John Pastorio & A. Schultz, Eureka, Nev., at $1050 were awarded contract by Eureka County Commissioners for constructing sidewalks and gutters in the vicinity of the courthouse. Other bidders were W. H. Russell, $1460; A. L. McGinty, $1095.

LODI, San Joaquin Co., Cal. — City Trustees, J. F. Blakely, Clerk, passes resolution of intention to improve the following streets:

Resolution 33 — Pleasant Ave. from Lockford to Locust; from Locust to Elm; from Elm to Pine; from Pine to Oak; from Oak to Walnut; and from Walnut to Lodi Ave.

Resolution 34—Elm St. from point 40 ft. west of Main St. to Cherokee Lane.

Resolution 35 — Stockton St. from Locust to Elm; Elm to Pine; Pine to Oak; Oak to Walnut; Walnut to Lodi Ave.

Resolution 36—Church St. from Louie Ave. to Lockford; Lockford to Locust; Locust to Elm; Elm to Pine; Pine to Oak, Oak to Walnut; Walnut to Lodi Ave.

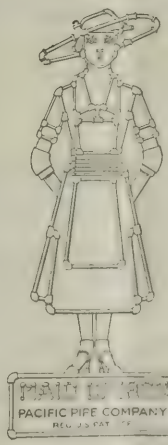
Resolution 37—Oak St. from Sacramento St. to a point 125 ft. east of Sacramento St.

Resolution 38 — Lockford St. from Pleasant to School; School to Sacramento; Sacramento to a point 125 ft. east; all by grading, constructing hydraulic combined concrete curbs and gutters and paving with 1½-in. Warrenite wearing surface on an asphaltic concrete base 2½ in. thick. Imp. Act 1911 and Imp. Bond Act 1915. Protests will be heard August 17. L. F. Barzelotti, City Engineer.

RICHMOND, Contra Costa Co., Cal.—City Manager J. A. McVittie, City Engineer H. D. Chapman of Richmond and R. R. Arnold, Contra Costa County Engineer, conferring on proposed sewer system in North Richmond. The residents of San Pablo Villa Tract have petitioned City Council for street improvements but work cannot be started until sewer problem is solved. Due to the fall of the tract, sewers cannot be connected with the Richmond system without going outside the city limits.

OROVILLE, Butte Co., Cal. — H. H. Hume, County Engineer, preparing specifications for road 60 ft. wide from Parrott Ranch School, south of Chico, north for a distance of one mile, bet. Parrott and Phelan ranches.

FAIRFIELD, Solano Co., Cal.—Bids received by the County Supervisors for Road District Improvement No. 3, Vacaville Township, rejected as being too high and bids ordered re-advertised. Project involves: 13,000 cu. yds. grading; 5750 cu. yds. screened gravel; 4000 tons crushed rock and screenings; 23,300 lin. ft. reshaping surface; 23,300 lin. ft. oil macadam surfacing; 562 lin. ft. corrugated culverts in place; 50 cu. yds. of concrete. F. A. Steiger, County Surveyor.



GUARANTEED TESTED
Used Pipe and Screw
Casing — Valves — Fittings

PACIFIC PIPE COMPANY
231 Howard St., San Francisco

PETALUMA, Sonoma Co., Cal.—City Council will call bids for constructing approximately 5780 sq. ft. of cement sidewalks in Main and Third streets.

SAN FRANCISCO.—Cowden-Broderick Co., at $5503 submits low bid to the Board of Public Works for constructing sewer in Woolsey St. bet. Dartmouth and University Aves., involving 540 lin. ft. 2x3 ft. reinforced concrete sewer; 47 lin. ft. 18-in. vitrified pipe sewer; 2 brick or concrete manholes and 1 brick manhole.

Other bidders were T. D. Harney, $5819; Hickey & Harmon, $7013; Hugh McGill, $5569; Jas. T. Tobin, $5855; Henry Twohy, $5957.

Clarence Eaton at $9828 submitted low bid for improving Folsom St. bet. Ogden and Tompkins, involving 675 cu. yds. cut; 520 cu. yds. fill; 920 lin. ft. concrete curbs; 4000 sq. ft. artificial stone sidewalks; 6 brick catchbasins; 150 lin. ft. 10-in. culverts; 3920 sq. ft. asphaltic concrete and 11,800 sq. ft. concrete pavement. Only other bidder, Raisch Improvement Co., at $10,340.

No bids received for improving Craut St. bet. Maynard and Ney, where not already. This project involves 360 cu. yds. cut; 195 lin. ft. concrete curbs and 2340 sq. ft. asphaltic concrete pavement

MARYSVILLE, Yuba Co., Cal.—City of Marysville will request State Railroad Commission to place valuation on plant and system of Marysville Water Company. Council plans purchase for municipal system.

SACRAMENTO, Cal. — City Commissioners, M. J. Desmond, Clerk, passes Resolution of Intention 1548 to improve Sacramento Blvd. from sewer in place in 9th Ave. to 14th Ave. by constructing vitrified pipe sewer with 42 6-in. vitrified Y branches, 7 concrete manholes; 12th Ave. from point 10 ft. west of 37th St. north to point 680 ft. east of Sacramento Blvd. by constructing vitrified pipe sewer with 27 6-in. Y branches, 4 concrete manholes; 38th St. from manhole in place in 12th Ave. to point 400 ft. northerly by constructing vitrified pipe sewer with 14 6-in. Y branches, 1 concrete manhole; 37th St. from manhole in place in 12th Ave. to point 400 ft. northerly by constructing vitrified pipe sewer with 15 6-in. Y branches, 1 concrete manhole.

Resolution 1549 for improving 53rd St. from manhole in place in 5th Ave. to 14th Ave. by constructing vitrified pipe sewer with 46 6-in. Y branches, 6 concrete manholes; 11th Ave. from manhole in 53rd St. to 52nd St. by constructing vitrified pipe sewer with 2 6-in. Y branches, 1 concrete manhole; 52nd St. from manhole in 11th Ave. to point 520 ft. southerly by constructing vitrified pipe sewer with 19 6-in. Y branches, 1 concrete manhole. Imp. Act 1911. Protests will be heard on August 18th. Albert Givan, City Engineer.

Plans Being Figured—Bids Close Aug. 22, 1921, 10 a. m.

CROSSING Cost, $30,000
ALAMEDA COUNTY. East of Altamont in Murray Township.
Reinforced concrete overhead crossing.
Owner—Alameda County.
Engineer—P. A. Haviland, County Courthouse.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1645	Milne	Owner	800
1646	R C Archbishop	Fennell	4000
1647	Arrigoni	Mori	500
1648	Williams	Ferguson	500
1649	Beverson	Owner	500
1650	Jr Orpheum	Sartorius	52701
1651	Same	Coleman	32987
1652	Same	Michel	15495
1653	Anderson	Owner	13500
1654	Kittle	Atlas	80000
1655	Bogart	Monson	55000
1656	Welsh	Owner	500
1657	Erlach	Owner	4500
1658	Anderson	Owner	19000
1659	Chamberlain	Schoenfeld	2258
1660	Hindes	S. F. Bridge	6000
1661	Robinett	Owner	1000
1662	Fear	McLeod	800
1663	Carey	Owner	500
1664	Jansson	Owner	3950
1665	Harris	Allen	10000
1666	Masetti	Owner	900
1667	Kittle	Atlas	79961
1668	Curran	——	300000
1669	Hart	Allen	15000
1670	National	Riedy	13500
1671	Lipman	Todhunter	1138
1672	Lawrence	Owner	500
1673	Schandel	Sullivan	800
1674	Giacomi	Owner	2500
1675	McGaha	Owner	3500
1676	Wardrobe	Owner	7500
1677	Valvoline	Cameron	1000
1678	Klute	Mahler	8000
1679	Ackenheil	Roberts	600
1680	Merrill	Owner	20000
1681	Chase	Owner	1000
1682	Sachs	Moriconi	3000
1683	Earl	Cameron	1500

PERMITS

ALTERATIONS
(1645) 2364 MISSION. Alter clothing store front.
Owner—G. Milne, Premises.
Plans by Owner.
Day's work. $800

ALTERATIONS
(1646) SE VAN NESS AVE AND Filbert. Alterations and additions for infant hospital.
Owner—Roman Catholic Archbishop, 1100 Franklin St., San Francisco.
Architect—L. J. Devlin, Pacific Bldg., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco. $4000

ALTERATIONS
(1647) 1888 GREENWICH. Cement floor and foundation for garage in dwelling.
Owner—D. Arrigoni, Premises.
Architect—None.
Contractor—G. Mori, 5 Charlton Court, San Francisco. $500

REPAIRS
(1648) 2845 FILLMORE. Repair fire damage to residence.
Owner—Mrs. Williams, Premises.
Architect—None.
Contractor — Ferguson & Son, 1739 Union St., San Francisco. $500

RESIDENCE
(1649) 515 GATES (rear). One-story and basement frame residence.
Owner—Martin Beverson.
Architect—None.
Day's work. $500

RECORDED

IRON WORK
(1650) NW GOLDEN GATE AVE AND Taylor. Ornamental iron work for Junior Orpheum Theatre.
Owner—Junior Orpheum San Francisco by Contractor W. S. Dinwiddie.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Sub-Contractor—Sartorius Co., 15th & Utah Sts., San Francisco.
Filed Aug. 6, '21. Dated Apr. 26, '21.
As work progresses monthly payments of 75%
Usual 35 days..... 25%
TOTAL COST, $52,701
Bond, $26,350. Surety, Hartford Accident & Indemnity Co. Limit, Nov. 1, 1921. Forfeit, none. Plans and specifications filed.

(1651) PLUMBING ON ABOVE.
Sub-Contractor — Alexander Coleman, 706 Ellis St., San Francisco.
Filed Aug. 6; dated Apr. 18, 1921.
Payments same as above.
TOTAL COST, $32,987
Bond, $16,493.50. Surety, Hartford Accident & Indemnity Co. Forfeit, none. Limit, Nov. 1, 1921. Plans and specifications filed.

(1652) MISCELLANEOUS IRON work on above.
Sub-Contractor—Michel & Pfeffer Iron Works, 1415 Harrison St.
Filed Aug. 6; dated Apr. 26, 1921.
Payments same as above.
TOTAL COST, $15,495
Bond, $7747.50. Surety, Hartford Accident & Indemnity Co. Forfeit, none. Limit, Nov. 1, 1921. Plans and specifications filed.

APARTMENTS
(1653) S CABRILLO 30-6 E 12th Ave. Three-story and basement frame (6) apartments.
Owner—O. E. Anderson, 483 15th Ave., San Francisco.
Architect—A. H. Knoll, 1023 Hearst Bldg., San Francisco.
Day's work. $13,500

GARAGE
(1654) W SANSOME 68-9 N Pacific. Two-story and basement reinforced concrete public garage.
Owner—Harriette Dewitt Kittle, Care Allen Kittle, Nevada Bank Bldg., San Francisco.
Architect—Jos. L. Stewart, 1214 Claus Spreckels Bldg., San Francisco.
Contractor—Atlas Concrete Co., 180 Jessie St., San Francisco. $80,000

GARAGE
(1655) N TURK 192-6 W Taylor. Two story reinforced concrete public garage.
Owner—Harry R. Bogart, Cr. Architect.
Architect—Jos. L. Stewart, 1214 Claus Spreckels Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco. $55,000

ALTERATIONS
(1656) S BUSH 87-6 E Taylor. Alterations and additions for two-room servants' apartments.
Owner—James Welsh, 597 20th Ave., San Francisco.
Architect—None.
Day's work. $500

FLATS
(1657) NW NINETEENTH AND VERmont. Two-story frame store and (2) flats.
Owner—John Erlach, 2220 18th St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $4500

APARTMENTS
(1658) SE TWELFTH AVE & CAbrillo. Three-story and basement frame (12) apartments.
Owner—O. E. Anderson, 483 15th Ave., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. $19,000

RECORDED

MARBLE WORK
(1659) SUTTER ST., between Powell and Mason. Marble work for building.
Owner—Chamberlain & Proctor.
Architect—Willis Polk Co., Hobart Bldg., San Francisco.
Contractor—The Schoenfeld Marble Co. 265 Shipley St., San Francisco.
Filed Aug. 8, '21. Dated Aug. 6, '21.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $2258
Bond, limit, forfeit, plans and specifications, none.

FOUNDATION
(1660) N BROADWAY 154-6 W Baker Foundation only for two-story and basement frame residence.
Owner—Saratta B. Hindes, 2519 Broadway, San Francisco.
Architect—F. Meyer and A. L. Johnson, 742 Market St., S. F.
Contractor—San Francisco Bridge Co., Nevada Bank Bldg., S. F. $6000

RESIDENCE
(1661) 1749 EIGHTH AVE. One-story and basement frame residence.
Owner—Thos. W. Robinett, 1757 8th Ave., San Francisco.
Architect—None.
Day's work. $1000

ALTERATIONS
(1662) 945 GOLDEN GATE AVE. Alter apartments.
Owner—Sergeant V. Fear, Premises.
Architect—None.
Contractor—J. J. McLeod, 2146 Golden Gate Ave., San Francisco. $800

ALTERATIONS
(1663) 4115 JUDAH. Residence to be plaster boarded and install French doors.
Owner—Jas. T. Carèy, 1338 Filbert St., San Francisco.
Architect—None.
Day's work. $500

DWELLING
(1664) W SIXTEENTH AVE 200 S Cabrillo. One-story and basement frame dwelling.
Owner—E. A. Jansson, 402 Hearst Bldg., San Francisco.
Architect—None.
Day's work. $3950

FRAME FLATS
(1665) SE TWENTY-NINTH AVE. & Cabrillo. Two-story and basement frame (4) flats.
Owner—M. Harris, Care Architect.
Architect—Earle B. Bertz, 68 Post St.,

San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $10,000

DWELLING
(1666) 1507 McKINNON AVE. One-story and basement frame dwelling
Owner—Pete Masetti, Premises.
Architect—None.
Day's work. $900

RECORDED

GARAGE
(1667) W SANSOME, 68-9 N PACIFIC N 92xW 137-6. All work for a 2-story and basement reinforced concrete building (garage).
Owner—Harriette De Witt Kittle, Nevada Bank Bldg., San Francisco.
Architect—Joseph L. Stewart, Claus Spreckels Bldg.
Contractor—Atlas Concrete Co., 180 Jessie St.
Filed Aug. 9, '21. Dated Aug. 5, '21.
1st floor poured and forms for side walls up to 2d floor $22,970.75
2nd floor poured..... 15,000.00
Fire walls and roof poured... 10,000.00
Completed and accepted... 12,000.00
Usual 35 days..... 19,990.25
TOTAL COST, $79,961.00
Bond, $39,980.50. Surety, London and Lancashire Indemnity Co. Limit, forfeit, none. Plans and specifications filed.
NOTE—Permit reported Aug. 9, 1921. No. 1654.

(1668) S GEARY 137-6 W Mason. Class A theatre building.
Owner—Curran Theatre Co., 110 Sutter St., San Francisco.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco. $300,000

FRAME FLATS
(1669) W FOURTEENTH AVE 50 N Balboa. Two-story and basement frame (4) flats.
Owner—Dr. M. Hart, Care Architect.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $15,000

RESIDENCE, ETC.
(1670) N FULTON 27-6 W Octavia. Two-story reinforced concrete bakery and residence.
Owner—National Pie Co., 163 Kisling St., San Francisco.
Architect—None.
Contractor—Dodge A. Riedy, 850 Pacific Bldg., San Francisco. $13,500

REPAIRS
(1671) 305 SPRUCE. Repair fire damage; painting; plastering; electric work., etc., to residence.
Owner—Mrs. Rose Lipman, 216 Russ Bldg., San Francisco.
Architect—None.
Contractor—Geo. C. Todhunter, 1088 Ashbury St., San Francisco. $1138

FLATS
(1672) 1509 BAKER. Construct basement garage; concrete work, etc., for (2) flats.
Owner—J. M. Lawrence, 1509 Baker St., San Francisco.
Architect—None.
Day's work. $500

DWELLING
(1673) NE FORTY-SIXTH AVE & LAWton. One-story and basement frame dwelling.
Owner—Paul Schandel, 374 Grove St., San Francisco.
Architect—None.
Contractor—R. J. Sullivan, 1655 48th Ave., San Francisco. $800

RESIDENCE
(1674) W GOUGH 112-6 S Filbert. One-story and basement frame residence
Owner—F. Giacomi, 560 Union St., San Francisco.
Designer—Albert Massagli, 147 Parker Ave., San Francisco.
Day's work. $2500

STORE, ETC.
(1675) SW SAN BRUNO & BACON Aves. One-story frame store and living rooms.
Owner—John McGaha, 1005 Shotwell St., San Francisco.
Architect—Antone Petersen, 2770 San Bruno Ave., San Francisco.
Day's work. $3500

TANK HOUSE
(1676) S TEHAMA 375 E Fifth. One-story frame tank house.
Owner—Wardrobe Laundry Co., 344 Clementina St., San Francisco.
Engineer—T. Ronneberg, 826 Crocker Bldg., San Francisco.
Not Awarded Yet. $7500

ALTERATIONS
(1677) 462 BRYANT. Erect office partitions (glass and wood); cork flooring and construct plattorm for warehouse.
Owner—Valvoline Oil Co., 440 Brannan St., San Francisco.
Architect—None.
Contractor—Cameron & Disston, 823 Hearst Bldg., S. F. $1000

RESIDENCE S
(1678) W TWENTY-SECOND AVE 200 and 225 S Anza. Two one-story and basement frame residences.
Owner—Wm. Klute, 2704 Bush St., San Francisco.
Architect—None.
Contractor—T. E. Mohler, 2400 Balboa St., San Francisco. $4000 each

ALTERATIONS
(1679) 876 WALLER. Tar and gravel roof; extension of two rooms for residence.
Owner—N. Ackenheil, Premises.
Architect—None.
Contractor—L. J. Roberts, 105 Steiner St., San Francisco. $600

APARTMENTS
(1680) S CLAY 154-3 E Franklin. Three-story and basement frame (6) apartments.
Owner—S. D. Merrill, 1901 California St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. $20,000

RESIDENCE
(1681) E EGBERT 225 N Phelps. One-story and basement frame residence
Owner—J. G. Chase, 160 Charter Oak Ave., San Francisco.
Architect—O. E. Evans, 2569 Mission San Francisco.
Day's work. $1000

ALTERATIONS
(1682) 18 GEARY. Alter store.
Owner—L. Sachs, Premises.
Architect—None.
Contractor—G. Moriconi, 2200 Larkin St., San Francisco. $3000

ALTERATIONS
(1683) 1336 POST. Construct mezzanine floor for offices, glass partitions, etc.
Owner—Earl Cooper Co., Premises.
Architect—None.
Contractor—Cameron & Disston, Hearst Bldg., San Francisco. $1500

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

Recorded Accepted

Aug. 9, 1921—LOT 15 BLK 25, Lakeview. Emmet D O'Callaghan and wife Minnie to Oscar Wilson..... .....August 5, 1921

Aug. 9, 1921—LOT 41 BLK 25, Lakeview. Oscar and Hilda Wilson to whom it may concern...Aug. 8, 1921

Aug. 8, 1921—EIGHTEENTH AVE 150 S Anza on 18th Ave on W side. P Algot Nelson to whom it may concern .....Aug. 8, 1921

Aug 8, 1921—E SEVENTEENTH AVE 25 N Balboa; NE 17th Ave and Balboa. A T Morris to whom it may concern.....Aug. 6, 1921

Aug. 6, 1921—SE EXETER 225 NE Salinas. Wm H Hoppe to whom it may concern.....Aug. 4, 1921

Aug. 6, 1921—E VAN NESS AVE 87-6 S Green S 35-9 E 69 S 11-9 E 25-5 N 47-6 W 94-5. Anna M Waters to Kincanon & Perego.....Aug. 5, 1921

Aug. 6, 1921—N SUNNYSIDE AVE 75 E Forester E 25xN 100. H Mattick to whom it may concern.Aug. 3, 1921

Aug. 5, 1921—S NINETEENTH AVE 100 S Balboa S 28xW 120. Mathew B Mergen to Michael Costello..... .....August 3, 1921

Aug. 4, 1921—SW LAKE & EIGHTH Ave W 32-6xS 75. Jacobine Larsen wife H H to whom it may concern .....August 4, 1921

Aug. 4, 1921—S CUMBERLAND 77 W Sanchez No. 311 Cumberland. Mrs. C E Ferguson and C E Ferguson to L H Stevenson.....Aug. 3, 1921

Aug. 3, 1921—SE LAKE AND Seventeenth Ave E 32-6xS 100. Jessie M Fraser to whom it may concern.....Aug. 3, 1921

Aug. 3, 1921—SE O'FARRELL and Octavia S 137-6 x E 37-6. O'Brien Bros., Inc.....Aug. 2, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Aug. 5, 1921—N CABRILLO 30 W 47th Ave W 30xN 100. George Wienholz vs Chas C Williams and Harry J Frank $253.44

Aug. 5, 1921—N CABRILLO 60 W 47th Ave W 30xN 100. George Wienholz vs Chas C Williams and Harry J Frank $303.44

Aug. 5, 1921—E SCOTT 63 N [illegible] N 37-6xE 100. Samuel Greenback vs Maud Warwick $581.50

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Aug. 8, 1921—W TWENTY-SECOND Ave 50 S Cabrillo S 25xE 120. Uhl Bros to R Monson.....

Aug. 4, 1921—N SUTTER 167-3 W Van Ness Ave W 57-6xN 120. Atlas Electric Co to Mendel Weisbleet..

Notice of Non Responsibility

SAN FRANCISCO COUNTY

Aug. 2, 1921—2456 MISSION. Marion F Young [illegible] property .....

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt
2656	Pallen	Owner	3750
2657	Johnson	Goodrich	12000
2658	Buckham	Owner	5000
2659	Catucci	Owner	500
2660	Carrato	Valente	484
2661	Moore	Owner	400
2662	Karpi	Owner	450
2663	Bichert	Owner	500
2664	Picallo	Owner	400
2665	Stephens	Anderson	2500
2666	Kazlowski	Hauri	11000
2667	Dodge	Hansson	6500
2668	Frost	Owner	475
2669	Dacha	Barustetter	1000
2670	Oakland	Etherton	49384
2671	Same	Parks	62657
2672	Richter	Hebel	2800
2673	Chandler	Pickering	400
2674	Joslin	Owner	1500
2675	Barnes	Russell	2400
2676	Tupper	Owner	3500
2677	Bell	Owner	2500
2678	Esola	Camponenosi	3800
2679	Goranson	Owner	6800
2680	Westphal	Stewart	7500
2681	De Luci	Perana	10000
2682	Barker	McWethy	7500
2683	Weaver	Owner	3500
2684	Hirshebrg	Owner	1000
2685	Skaggs	Nielson	427
2686	Wilson	Owner	750
2687	Mills College	Owner	1000
2688	Fassler	Owner	600
2689	Robbin	Brown	500
2690	Peterson	Johnson	5000
2691	Barrill	Owner	5900
2692	Heyer	Owner	5200
2693	Kreiger	Owner	4500
2694	Ross	Gastman	8000
2695	Frazier	Kidder	500
2696	Lowder	Owner	3000
2697	Baker	Owens	500
2698	Griffin	Owner	625
2699	Allison	Owner	400
2700	Mattison	Mattison	2800
2700	Mattison	Mattison	2800
2701	Dupich	Monroe	1000
2702	Burrage	Owner	500
2703	Doody	Bean	500
2703	Doody	Bean	428
2704	Easton	Corbett	475
2705	Taylor	Owner	5000
2706	Degen	Owner	1500
2707	Parnay	Owner	500
2708	Gutsch	Coburn	500
2709	Smith	Long	1200
2710	McAtee	Davis	3000
2711	Batsford	Wright	550
2712	Price	Strang	4500
2713	Webner	Owner	500
2714	Poulson	Davidson	400
2715	Welspiel	Owner	2000
2716	Pirati	Cal. Bldrs.	567
2717	Sangenitto	Owner	400
2718	Hawk	Hawk	500
2719	Young	Owner	450
2720	Wilton	Neel	600
2721	Gbanes	Alhmon	700
2722	Wilbur	Dunakin	2500
2723	Botto	Luisson	3000
2724	Christy	Broad	6000
2725	Habel	Krosca	500
2726	Copp	Andresen	1500
2727	Loomis	Andresen	8000
2728	Gorman	Dolan	3000
2729	Jepsen	Owner	4000
2730	Waldron	Anderson	500
2731	Olson	Owner	3750
2732	Loomis	Picard	1000
2733	Loomis	Andresen	4674

PERMITS

DWELLING
(2656) S CAPISTRANO 300 W Colusa, Berkeley. One-story 5-room dwlg.
Owner—A. H. Pallen, 686 61st, Oakland
Architect—None.
Day's work. $3750

DWELLING
(2657) NE MENDOCINO AND INDIAN Rock Path, Berkeley. Two-story. 9-room dwelling.
Owner—G. C. Johnson, 1701 Cedar St., Berkeley.
Architect — James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—D. H. Goodrich, 2923 Newbery St., Berkeley. $12,000

REPAIRS
(2658) 36 PANORAMIC WAY, Berkeley. Fire repairs.
Owner—J. W. Buckham, 2528 Warring St., Berkeley.
Architect—None.
Day's work. $5000

SHED
(2659) NE E-TWELFTH ST. & 18th Ave., Oakland. Shed.
Owner—J. Catucci, 1212 18th Ave., Okd.
Architect—None.
Day's Work. $500

ALTERATIONS
(2660 938 FORTY-SIXTH AVE., Okd. Alterations and addition.
Owner—G. Carrato.
Architect—None.
Contractor—M. E. Valente & Co., Builders 'Exchange, Okd. $484

DWELLING
(2661) E FRUITVALE AVE. 263 E Funston Place, Oakland. One-story 2-room dwelling.
Owner—J. L. Moore, 1075 77th Ave., Oakland.
Architect—None.
Day's Work. $400

ALTERATIONS
(2662) 2029 FORTIETH AVE., Okd. Alterations and repairs.
Owner—C. Karpi.
Architect—None.
Day's Work. $450

ADDITION
(2663) S MESABA AVE. 250 W 68th Ave., Oakland. Addition.
Owner—A. Bichert.
Architect—None.
Day's Work. $500

GARAGE
(2664) 4630 WEST ST., Oakland. Garage.
Owner—Frank Picallo.
Architect—None.
Day's Work. $400

DWELLING
(2665) S BIRCH ST. 320 E 92nd Ave., Oakland. One-story 4-room dwlg.
Owner—F. W. Stephens, 9208 Birch St., Oakland.
Architect—None.
Contractor—A. T. Anderson, 9302 Birch, Oakland. $2500

DWELLING
(2666) E VALLE VISTA 50 N Elwood, Oakland. Two-story 9-room dwlg.
Owner — A. Kaslowski, 2424 Diamond St., Bkly.
Architect—None.
Contractor—Hauri & Wierk, 822 56th St., Oakland. $11,000

LIBRARY
NE DANA AND ALLSTON WAY, Berkeley. Two-story 6-room Class "C" library.
Owner—Pacific Unitarian.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco. $27,289
NOTE:—Recorded contract reported July 22, 1921, No. 2483.

RECORDED

DWELLING
(2667) LOT 8 BLK L Northbrae Ter., Bkly. Frame dwelling.
Owner—Mrs. W. J. Dodge, 919 Mono St., Berkeley.
Architect—John Hudson Thomas, First Natl. Bank Bldg., Bkly.
Contractor — Louis O. Hansson, 1409 Bonita, Bkly.
Filed Aug. 6, 1921; dated Aug. 5, 1921.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days ..... ¼
TOTAL COST, $6500
Bond and forfeit, none. Limit, 90 days.
Plans and specifications filed.

GARAGE
(2668) 5810 AYALA ST., Oakland. Garage.
Owner—Thomas S. Frost, Colusa, Cal.
Architect—None.
Day's work. $475

ADDITION
(2669) 461 FIFTY-FIRST ST., Oakland. Addition.
Owner—John Dacha.
Architect—None.
Contractor—Geo. Braustetter, 48th and Telegraph Ave., Okd. $1000

GYMNASIUM
(2670) FORTY-SEVENTH & YGNACIO Aves., Oakland. One-story gymnasium.
Owner—City of Oakland.
Architect—None.
Contractor—E. E. Etherton & Co., Monadnock Bldg., S. F. $49,384

SCHOOL
(2671) 103RD AVE. & BIGGEREAU, Oakland. One-story 7-room school.
Owner—City of Oakland.
Architect—None.
Contractor—D. W. Parks, Monadnock Bldg., San Francisco. $52,567

DWELLING
(2672) E RHODA AVE 100 S Madeline, Oakland. One-story 5-room dwelling.
Owner—R. Richter, 3720 Rhoda Ave., Oakland.
Architect—None.
Contractor — A. Hebel, 4061 Whittle Ave., Oakland. $2800

ADDITION
(2673) 549 THIRTY-SECOND ST., Oakland. Addition.
Owner—Chas. S. Chandler.
Architect—None.
Contractor—P. J. Pickering, Premises. $400

DWELLING
(2674) N TIFFAN ROAD 40 W Harding St., Oakland. One-story 4-room dwelling.
Owner—D. C. Joslin, 842 46th St., Okd.
Architect—None.
Day's work. $1500

DWELLING
(2675) N EMERSON 112 E Shattuck Ave., Berkeley. One-story 4-room dwelling.
Owner—L. B. Barnes, 2121 Emerson St., Berkeley.
Architect—None.
Contractor—John A. Russell, 3614 Porter St., Berkeley. $2400

DWELLING
(2676) SE RUSSELL & ELLSWORTH, Berkeley. One-story 5-room dwlg.
Owner—Thad. M. Tupper, 2310 Russell St., Berkeley.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. $3500

DWELLING
(2677) S STUART 360 W California, Berkeley. One-story 5-room dwlg.
Owner—Glenn R. Bell, 1433 Madison St., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(2678) 567 FORTY-SIXTH ST., Oakland. One-story 5-room frame dwelling.
Owner—J. Esola.
Architect—None.

Contractor — E. Campomenosl, 5238 Lawton Ave., Oakland. $3800

DWELLINGS
(2679) W PERALTA 180 AND 225 S Hopkins, Oakland. Two one-story 5-room frame dwellings.
Owner—H. Goranson, 3476 Laguna Ave., Oakland.
Architect—None.
Day's work. $3400 each

DWELLING
(2680) S ROSAL AVE 300 E Lakeshore Oakland. Two-story 6-room dwlg.
Owner—Westphal & Hann, 437 Perkins St., Oakland.
Architect—None.
Contractor—B. A. Stewart. $7500

STORE, ETC.
(2681) E TELEGRAPH AVE 150 N 49th St., Oakland. Two-story frame store and loft building.
Owner—D. De Lucis.
Architect—None.
Contractor—John Perona, 570 7th St., Oakland. $10,000

ALTERATIONS
(2682) 2339-41 WAVERLY, Oakland. Alter dwelling into flats.
Owner—Mrs. R. A. Barker, 2424 Orin Drive, Oakland.
Architect—None.
Contractor—McWethy & Greenleaf, Albany Bldg., Oakland. $7500

DWELLING
(2683) W DIVISION 150 S Everett, Oakland. One-story 4-room dwlg.
Owner—P. B. Weaver, 1643 84th Ave., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Day's work. $3500

DWELLING
1990 MARIN AVE., Berkeley. One-story six-room dwelling.
Owner—Mrs. W. J. Dodge, Ventura St., Berkeley.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.
Contractor—Louis O. Hansson, 1409 Bonita St., Berkeley. $6500
NOTE:—Recorded contract reported August 6, 1921. No. 2667.

DWELLING
(2684) S BROADWAY TERRACE bet. Leo Way and Duncan Way, Oakland. One-story 4-room dwelling.
Owner—Mrs. David E. Hirshberg, 458 21st St., Oakland.
Architect—None.
Day's work. $1000

ALTERATIONS
(2685) 830 ATHENS ST., Oakland. Alterations.
Owner—J. H. Skaggs.
Architect—None.
Contractor—J. C. Nielson, 849 Athol Ave., Oakland. $427

DWELLING
(28686) W EIGTHY-SIXTH AVE 28 N A St., Oakland. One-story 3-room dwelling.
Owner—Roy Wilson, 1455 86th Ave., Oakland.
Architect—None.
Day's work. $750

CLASSROOM
(2687) MILLS COLLEGE, Oakland. One-story classroom.
Owner—Mills College, Oakland.
Architect—None.
Day's work. $1000

REPAIRS
(2688) SW THIRTEENTH & JACKson Sts., Oakland. Fire repairs.
Owner—Joseph Fassler, 55 Niagara St., San Francisco.
Architect—None.
Day's work. $600

ADDITION
(2689) 336 WALSWORTH ST., Oakland. Addition.
Owner—Mrs. Robbin.
Architect—None.
Contractor—E. F. Brown, 93 Garland Ave., Oakland. $500

DWELLING
(2690) LOT 19, LORETA AVE., Piedmont. Two-story frame dwelling.
Owner—Annie G. Peterson.
Architect—None.
Contractor—S. G. Johnson, 4652 Dolores St., Oakland. $5000

DWELLING
(2691) YORK DRIVE, Piedmont. One and one-half-story dwelling and garage.
Owner—Burritt & Shealey, 427 63rd St., Oakland.
Architect—None.
Day's work. $5900

DWELLING
(2692) LOT 25 YORK DRIVE, Piedmont. Two-story frame dwelling and garage.
Owner—Chas. W. Heyer Jr., Dalziel Bldg., Oakland.
Architect—None.
Day's work. $5200

DWELLING
(2693) 2039 LOS ANGELES ST., Berkeley. One and one-half-story 6-room dwelling.
Owner—C. J. Kreiger, 2930 Harper St., Berkeley.
Architect—None.
Day's work. $4500

DWELLING
(2694) SW LAUREL AND OAK STS., Berkeley. Two-story 10-room dwlg
Owner — Mrs. Douglas Ross, Oak and Laurel Sts., Berkeley.
Architect—R. I. Stringham, 260 California St., San Francisco.
Contractor — H. H. Gastman, 1265 Euclid Ave., Berkeley. $8000

ALTERATIONS
(2695) 2133 PARKER ST., Berkeley. Alterations.
Owner—Dr. S. H. Frazier, Premises.
Architect—None.
Contractor—H. C. Kidder, 2108 Addison St., Berkeley. $500

DWELLING
(2696) N. CAMDEN ST. 64 E 60TH Ave.
Owner—V. L. Lowder, Premises.
Architect—None.
Day's work. $3000

REPAIRS
(2697) 677 5TH ST., Oakland, Repairs.
Owner—P. Baker.
Architect—None.
Contractor—W. W. Owens, 1209 Francisc St., Berkeley. $500

DWELLING
(2698) E. FOREST HILL, FRUITvale Ext. 1-story 3-room dwelling.
Owner—Jas. L. Griffin, 130 7th St.
Architect—None.
Contractor—Owner $625

DWELLING
(2699) LEONA HEIGHTS, Oakland. One-story 2-room dwelling.
Owner—H. I. Allison, 1806 7th St., Okd.
Architect—None.
Day's work. $400

DWELLING
(2700) W LAGUNA AVE 120 S Damuth Oakland. One-story 4-room dwlg.
Owner—N. H. Mattison, 3228 Maple Ave., Oakland.
Architect—None.
Contractor—E. T Mattison. $2800

GARAGE
(2701) SW PLEASANT VALLEY AND Rose Aves., Oakland. Garage.
Owner—H. Dupich.
Architect—None.
Contractor—J. W. Monroe, 4612 Grove St., Oakland. $1000

GARAGE
(2702) 3451 RHODA AVE., Oakland. Garage.
Owner—J. E. Burrage.
Architect—None.
Day's work. $500

REPAIRS
(2703) 579 SIXTH ST., Oakland. Fire repairs.
Owner—M. Doody, 3123 Peralta Ave., Oakland.
Architect—None.
Contractor—W. R. Bean, 1222 4th Ave., Oakland. $428

ALTERATIONS
(2704) NE THIRTEENTH & BROADway, Oakland. Alterations.
Owner—N. M. Easton.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. $475

DWELLING
(2705) N WELDON AVE 60 W Vermont, Oakland. Two-story 6-room dwelling.
Owner—H. T. Taylor, 330 Portland St., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(2705) BUENA VISTA AVE E St. Charles St., Alameda. One-story 4-room dwelling.
Owner—O. W. Degen, 1814 Eighth St., Alameda.
Architect—None.
Day's work. $1500

ALTERATIONS
(2707) 2310 CHANNING WAY, Alameda. Alterations and repairs.
Owner—M. Y. Parney, Premises.
Architect—None.
Day's work. $500

REPAIRS
(2708) 2122 CLINTON AVE., Alameda. Repairs.
Owner—Gutsch, Premises.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco. $500

ALTERATIONS
(2709) 2721 HILLEGASS AVE., Berkeley. Alterations.
Owner—Mrs. Jessie Smith, Premises.
Architect—None.
Contractor—Roy O. Long, 2114 Shattuck Ave., Berkeley. $1200

DWELLING
(2710) W McGEE 138 S Channing Way, Berkeley. One-story 5-room dwelling.
Owner—H. C. McAtee, 2422 McGee St., Berkeley.
Architect—None.
Contractor—Davis & Davis, 1902 Henry St., Berkeley. $3000

REPAIRS
(2711) 2320 STUART ST., Berkeley. Fire repairs.
Owner—Mrs. Batsford, Premises.
Architect—None.
Contractor—Curtis Wright, 2435 Haste St., Berkeley. $550

DWELLING
(2712) W CALMAR 200 E Vista, Okd. One-story 5-room dwelling.
Owner—Walter Price, San Francisco.
Architect—None.
Contractor—Fred Strang, 1405 Central Ave., Alameda $4500

ADDITION
(2713) 9229 CHERRY ST., Oakland. Addition.
Owner—H. E. Webner.
Architect—None.
Day's work. $500

ALTERATIONS
(2714) 6410 E-FOURTEENTH ST., Oakland. Alterations and additions
Owner—Stanley Poulson.
Architect—None.
Contractor—A. E. Davidson. $400

DWELLING
(2715) E 14TH 300 E 25TH AVE, Oakland. 1-story 5-room dwelling.
Owner—J. E. Welspiel, 2286 E. 14th, Oakland.
Architect—None.
Contractor—Owner. $2000

ADDITION
(2716) 1139 53D, OAKLAND. Addition.
Owner—Mrs. M. L. Pirati, 1534 Franklin, Oakland.
Architect—None.
Contractor—Cal. Builders Co., 1534 Franklin, Oakland. $567

ADDITION
(2717) 537 FILBERT, Oakland. Addition.
Owner—Mrs. R. Sangenitto.
Architect—None.
Contractor—J. Sangenitto. $400

DWELLING
(2718) W W LITTLE AVE. FRUITvale Ext., Oakland. 1-story 2-room dwelling.
Owner—Mrs. Eva Hawk, 922 Chestnut, Oakland.
Architect—None.
Cintractor—J. C. Hawk. $500

DWELLING
(2719) W LOMA VISTA AVE. 105 N. Hopkins, Oakland. 1-story 3-room dwelling.
Owner—B. C. Young, 1149 Divisadero, San Francisco.
Architect—None.
Contractor—Owner. $450

GARAGE
(2720) 555 MIRA VISTA AVE., Oakland. One-story concrete garage.
Owner—F. H. Witton.
Architect—None.
Contractor—Neel & White, El Cerreto. $600

DWELLING
(2721) W 103 AVE. 150 S WALNUT, Oakland. One-story 4-room dwelling.
Owner—Raymond Gbanes, 1449 103d Ave., Oakland.
Architect—None.
Contractor—G. F. Alhmon. $700

ADDITION
(2722) W 35 AVE. 130 S E 14TH, Oakland. Addition.
Owner—Mrs. C. C. Wilbur, 665 62d St., Oakland.
Architect—None.
Contractors—Dunakin & Wilbur, 3515 E. 14th, Oakland. $2500

DWELLING
(2723) E UNION 115 S 28th, Oakland. One-story 5-room dwelling.
Owner—G. Botto, 2912 Union St., Okd.
Architect—None.
Contractor—Eugene Luisson, 2516 Poplar St., Oakland. $3000

ALTERATIONS
(2724) 1737 EUCLID AVE., Berkeley. Alterations and additions (alter dwelling into apartments)
Owner—M. Christy, Premises.
Architect—None.
Contractor—A. H. Broad, 2117 Kittredge St., Berkeley. $6000

GARAGE
(2725) 2006 YOLO AVE., Berkeley. Garage.
Owner—G. M. Habel, Premises.
Architect—None.
Contractor—E. I. Krosca. $500

ALTERATIONS
(2726) 251 ADAMS, Oakland. Alterations.
Owner—Mrs. E. W. Copp, 52 San Leandro Way, San Francisco.
Architect—None.
Contractor—H. C. Anderson, 1229 Pearl St., Alameda. $1500

ALTER, & ADDITION
(2727) 1101 ASHMOUNT AVE., Okd. Alterations and addition to dwelling.
Owner—Dr. Loomis.
Architect—Sidney B. and Noble Newsom, Nev. Bank Bldg., S. F.
Contractor—H. C. Andresen, 1229 Pearl St., Alameda. $8000

DWELLING
(2728) N E 33D ST 70 W 13TH AVE. One-story 4-room dwelling.
Owner—Jas. Gorman, 361 60th St., Okd.
Architect—None.
Contractor—Leo J. Dolan, Syndicate Bldg., Oakland. $3000

DWELLING
(2729) S MASONIC AVE 400 E ARMY, Oakland. One and one-half story 7-room dwelling.
Owner—E. P. Jepsen, Oakland.
Architect—None.
Day's work. $4000

DWELLING
(2730) BLK 5 LOT 28, Stotts Property, Oakland. One-story 2-room dwlg.
Owner—C. H. Waldron, 2129 26th Ave., Oakland.
Architect—None.
Contractor—Geo. Anderson, Premises. $500

DWELLING
(2731) SW YGNACIO AND FAIRfax Aves., Oakland. One-story five-room dwelling.
Owner—O. Olson, 3625 E-12th St., Oakland.
Architect—None.
Day's work. $3750

PLUMBING, ETC.
(2732) 1101 ASHMONT AVE. Oakland. plumbing and sewering for alterations and additions to dwelling.
Owner—Olive V. Loomis, 350 29th St., Oakland.
Architect—Sidney B. & Noble Newsom, Nevada Bank Bldg., S. F.
Contractor—W. H. Picard, 5656 College Ave., Oakland.
Filed Aug. 11, '21. Dated Aug. 8, '21.
Roughed in $500
Completed 250
Usual 35 days..... 250
TOTAL COST, $1000
Bond, none. Limit, without delay. Forfeit, $5. Plans and specifications filed.

(2733) EXCEPT PLUMBING, SEWERing, electric work, painting, plastering, hardwod floors, electric fixtures and heating on above.
Contractor—H. C. Andersen, 1229 Pearl St., Alameda.
Filed Aug. 11, '21. Dated Aug. 8, '21.
Frame up $1168
Roof & exterior walls completed 1168
Completed and accepted..... 1169
Usual 35 days..... 1169
TOTAL COST, $4674
Bond, $2500. Surety, Simon M. Bryson Limit, without delay. Forfeit, $5. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Aug. 9, 1921—PTN LOT 45, Map Dimond Park, Oakland. Frank Holiday to L G Hudson.....June 7, 1921
Aug. 8, 1921—LOTS 5, 6, 7, 8, 9, 10, 11 and 12 Blk 1, Map Stanyan Park, Berkeley. C M MacGregor to whom it may concern.....Aug. 4, 1921
Aug. 8, 1921—E MARKET 481 S First S 175xE 100, Okd. Pacific Gas & Electric Co to C E Darling.....July 29, 1921
Aug 8, 1921—NE TELEGRAPH ROAD and N A St. NE 1384.16 NW 327.30 fm pt beg NE 435.6xNW 100, Eden Tp. Frank Shula to A F Hanson.....July 18, 1921
Aug. 6, 1921—PTN LOTS 34 AND 35 Blk A Map East Piedmont Heights, Okd. Earl B Leonard to whom it may concern.....Aug. 5, 1921
Aug. 6, 1921—E-FOURTEENTH ST. and 46th Ave., Okd. Southern Pacific Co to Hutchinson Co.....July 30, 1921
Aug. 6, 1921—BOUNDED BY ROSE, Hopkins and Grant, Berkeley. Berkeley Board of Education to Berger Mfg Co.....July 22, 1921
Aug. 6, 1921—BOUNDED BY ROSE, Hopkins and Grant, Berkeley. Berkeley Board of Education to Barrett & Hilp.....June 28, 1921
Aug. 6, 1921—COR. ROSE & GRANT, Berkeley. Berkeley Board of Education to Carl T Doell.May 26, 1921
Aug 6, 1921—LOT 59 Piedmont Manor, Piedmont. W E Schirmer to Harry Schwalm.....Aug. 1, 1921
Aug. 6, 1921—E 20 LOT 3 and W 20 Lot 4 Blk 1, Map Thousand Oaks Station Tract, ——. J O Stalder to A H Pallen.....
Aug. 6, 1921—PTN LOTS 5 AND 6 Blk 1, Map Lakeshore Highlands, Okd. C J Pfrang to whom it may concern.....July 20, 1921
Aug. 6, 1921—S FORTY-FIRST 125 E West E 30xS 110, Okd. Mary M Johnson to John E Sprague.....August 3, 1921
Aug. 6, 1921—S FORTY-FIRST 90 E West E 35xS 110, Okd. Mary M Johnson to John E Sprague.....August 5, 1921
Aug. 6, 1921—SW E-EIGHTEENTH and SE Seventh Ave SE 100xSW 35, Okd. Lillian St. Martin to whom it may concern.....Aug. 5, 1921
Aug. 5, 1921—W COLLEGE AVE 495.74 S Manila Ave S 42, ——. Carl C Lassen to whom it may concern .....August 5, 1921
Aug. 3, 1921—PT. 160 NE OF SE Cor. Foothill Blvd and 51st Ave NE 40xSE 120, Okd. Ford Kitchel to F A McCausland.....July 29, 1921
Aug. 3, 1921—LOT 10 BLK 7, Putnam Tract, Okd. William H Jordan to H Carlson.....Aug. 3, 1921

Notice of Non-Responsibility

ALAMEDA COUNTY

Aug. 6, 1921—N ENCINAL AVE 180 E Regent E 83-9xN 91-6, Alameda. R B Mott as to improvements on property .....

HOMESTEADS

ALAMEDA COUNTY.

Aug. 8, 1921—LOT 77 BLK C Map Fruitvale Villa Tract, Okd. Carl L Johanson $4000
Aug. 8, 1921—W HARRISON 366 N 14th N 45xW 150, Oakland. Frank Guderian $5000
Aug. 8, 1921—LOT 8 BLK 20, Map Melrose Heights, Okd. Annie Carleton (wl S) $4000

Aug. 8, 1921—LOTS 5, 9, 10 BLK 19, Town of Livermore, Livermore. Carlo Ferrario $4000
Aug. 6, 1921—LOTS 17 AND 18 BLK D Map Mastick Park, Alameda. Marianna A Dias (wf Antone S) $4000
Aug. 6, 1921—PTN LOT 8 BLK C, Revised Map Oak Tree Farm Tract, Okd. Antonina Anzelmo (wf Louis) $2500
Aug. 5, 1921—W ESSEX 120 S 45th W 54 S 72.25 E 54.20 N 64.81, Emeryville. Bell Bernheim (wf William) $2500
Aug. 5, 1921—N CHANNING WAY 85 W Fulton W 40xN 50, Bkly. Tessie I Shipman (widow).....$6500
Aug. 5, 1921—LOT 8 BLK 6, Map San Pablo Park, Berkeley. Chester E Hemenway .....$——
Aug. 5, 1921—E ADELINE 68-9 N 26th N 37-9xE 122, Okd. Anna Gorman (wf Benjamin H).....$5000
Aug. 3, 1921—LOT 32 BLK 4, Map San Pablo Park, Berkeley. Gertie Kragen (wf Morris) $3000

BUILDING CONTRACTS

SACRAMENTO COUNTY

REPAIRS
727 NINTH ST., Sacramento. Repair fire damage.
Owner—Capitol Fire Insurance Co., 8th and J Sts., Sacramento.
Architect—None.
Contractor—P. F. Reed, 2545 28th St., Sacramento. $1132

REPAIRS
2830 THIRTY-THIRD ST., Sacramento. New fireproof patent roofing.
Owner—2nd Church of Christ Scientist, 2828 33rd St., Sacramento.
Architect—None.
Day's work. $500

REPAIRS
1420 NINETEENTH ST., Sacramento. General repairing.
Owner—Mrs. A. Ketcham, 1416 19th St., Sacramento.
Architect—None.
Contractor—R. M. Smith, 2633 30th St., Sacramento. $2600

FLAT BLDG.
3917 J ST., Sacramento. Two-story flat building.
Owner—A. Wallen, 410 30th St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 G St., Sacramento. $20,690

FRAME BLDG.
1617 TWENTY-EIGHTH ST., Sacramento. Two-story frame building.
Owner—E. J. Bradley, 1611 28th St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 I St., Sacramento. $7280

NEW ROOF
2761 SACRAMENTO BLVD., Sacramento New roof.
Owner—Latourrette-Fical Co., Prem.
Architect—None.
Contractor—G. E. Hook, 718 18th St., Sacramento. $600

DWELLING
3126 SACRAMENTO AVE., Sacramento. Four-room dwelling.
Owner—Regina H. Michel, Nicolaus, Calif.
Architect—None.
Day's work. $2500

RESIDENCE
1438 THIRTY-SEVENTH ST., Sacramento. Temporary residence.
Owner—C. L. Sloppy, 1400 37th St., Sacramento.
Architect—None.
Day's work. $400

DWELLING
1126 FORTY-NINTH ST., Sacramento. Four-room dwelling.
Owner—O. H. Brown, 4900 J St., Sacramento.
Architect—None.
Day's work. $750

REPAIRS
1612 FOURTH ST., Sacramento. Repair porch.
Owner—Alice R. Miller, 700 1st St., Sacramento.
Architect—None.
Day's work. $400

REPAIRS
1913 N STREET, Sacramento. General repairing.
Owner — Mrs. N. Miller, 1913 H St., Sacramento.
Architect—None.
Contractor — C. Vanina, 2025 M St., Sacramento. $450

MOVE RESIDENCE
From 2315 to 2309 G STREET, Sacramento. Move residence.
Owner—Geo. P. Putman, 2709 D St., Sacramento.
Architect—None.
Contractor—Truesdale & Martin, 2116 H St., Sacramento. $742

NEW FLOOR
1019 FRONT ST., Sacramento. Put in new floor.
Owner — Ennis Brow Co., 110 J St., Sacramento.
Architect—None.
Contractor — C. Vanina, 2022 M St., Sacramento. $450

DWELLING
2212 TWENTY-FIFTH ST., Sacramento One-story 6-room frame dwelling.
Owner—W. E. Trainor, 813 J St., Sacramento.
Architect—None.
Contractor—Brier & Wilson, 813 J St., Sacramtnto. $——

DWELLING
2208 TWENTY-FIFTH ST., Sacramento. One-story 5-room dwlg.
Owner—W. E. Trainor, 813 J St., Sacramento.
Architect—None.
Contractor—Brier & Wilson, 813 J St., Sacramento. $2900

REPAIRS
1125 EIGHTH ST., Sacramento. Repair building.
Owner—H. Feldharsen, 1400 P St., Sacramento.
Architect—None.
Contractor—J. A. Pausback, 1722 J St., Sacramento. $750

DWELLING
1218 TWENTIETH ST., Sacramento. Two-story dwelling.
Owner—Mrs. H. A. Boyyer, 1322 6th St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento. $12,000

BUNKERS
1801 TWENTY-SIXTH ST., Sacramento Rock and sand bunkers.
Owner—Sacramento Rock & Sand Co., Premises.
Architect—None.
Day's work. $2500

DWELLING
2621 FIFTY-FOURTH ST., Sacramento One-story 5-room frame dwelling.
Owner—Mrs. Addie Callahan, 1711 7th St., Sacramento.
Architect—None.
Contractor—J. W. Core, $2500

DWELLING
2310 D ST., Sacramento. One-story 6-room dwelling.
Owner—E. Machado, 517 P St., Sacramento.
Architect—None.
Contractor—M. Furtado, 2428 18th St., Sacramento. $3400

VENTILATING SYSTEM
2988 THIRTY-FIFTH ST., Sacramento. Install ventilating system.
Owner—H. C. Muddox, 2930 K St., Sacramento.
Architect—None.
Contractor—Latourrette-Fical Co., 35th and Sacramento Blvd., Sacramento $600

GARAGE
2219 G ST., Sacramento. Frame garage with brick foundation.
Owner—A. P. Harrison, Premises.
Architect—None.
Day's work. $400

REPAIRS
520 K ST., Sacramento General repairs
Owner—D. J. Long, 1614 K St., Sacramento.
Architect—None.
Day's work. $750

BUILDING
SE EL CAMINO AVE AND SEVENTH St., Sacramento. One-story building.
Owner—Epworth Methodist Episcopal Church.
Architect—None.
Day's work. $9995
Filed Aug. 9, '21. Dated Aug. 5, '21.

REPAIRS
1011-25 K ST., Sacramento. Re-roof building.
Owner—Mr. Bibbins, 564 Walsworth Ave., Oakland.
Architect—None.
Contractor—H. C. Brown, 3417 San Pablo Ave., Oakland. $965

REPAIRS
1328 O ST., Sacramento. Repairs.
Owner—Mrs. E. C. Crowley, Premises.
Architect—None.
Day's work. $500

REPAIRS
808 K ST., Sacramento. General repairs.
Owner—G. Tropp, 128 Sutter St., Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento. $4500

REPAIRS
403 K ST., Sacramento. General repairs.
Owner—John Lagorn, M. D., San Francisco.
Architect—None.
Contractor—Jac Kalvers et al $2500

SACRAMENTO BUILDING PERMITS FOR JULY

The records of Building Inspector Benjamin F. Clovell of the City of Sacramento show a total of 175 permits issued during the month of July at an estimated total cost of $182,417. This is a large increase over the figures for July, 1920, when 191 permits were issued with a cost of $180,665, the increase in construction for last month being $[illegible]. The number of permits for additions and repairs was 142 at a cost of $[illegible] while 56 permits for new buildings were issued with a cost of $[illegible] [illegible] nearly the new buildings [illegible] last year.

BUILDING CONTRACTS

FRESNO COUNTY

DWELLINGS
602-608-612 F ST. and 1511 Ventura Ave., Fresno. Four dwellings.
Owner—C. E. Kliewer, 202 McKinley St., Fresno.
Architect—None.
Contractor—Geo. Mihalakis.
$1000 each

DWELLING
20 AMADOR ST., Fresno. Dwelling.
Owner—A. Murgiolo.
Architect—None.
Day's work. $900

SERVICE STATION
701 VAN NESS AVE., Fresno. Service and comfort station.
Owner—Associated Oil Co.
Architect—None.
Day's work. $6000

ALTERATIONS
2325 SAN BENITO ST. and 404 M St., Fresno. Alterations to dwellings.
Owner—A. Shakorian.
Architect—None.
Day's work. $1750

SCHOOL
LOT 1 Vin Col., Fresno. Excavating, concrete steel and iron work for school building.
Owner—Great Western Union School District.
Architect—Anton Johnson, Kingsburg.
Contractor—Barkelew & Gould, 153 N-Van Ness Ave., Fresno.
Filed Aug. 2, '21. Dated July 19, '21.
As work progresses.....
TOTAL COST, $23,454
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

SETTING CAST CEMENT ON ABOVE.
Contractor—Frederick F. Smith, 2950 Nevada St., Fresno.
Filed Aug. 2, '21. Dated July 19, '21.
Payments same as above.....
TOTAL COST, $10,000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

SHEET METAL WORK ON ABOVE.
Contractor — Ruth-Ringleman Hardware Co., Parlier, Calif.
Filed Aug. 2, '21. Dated July 19, '21.
Payments same as above.....
TOTAL COST, $1150
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ROOFING ON ABOVE.
Contractor—Mallott & Peterson, Monadnock Bldg., San Francisco.
Filed Aug. 2, '21. Dated July 19, '21.
Payments same as above.....
TOTAL COST, $523
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

PLASTERING ON ABOVE.
Contractor—Chas. E. Thollander.
Filed Aug. 2, '21. Dated July 19, '21.
Payments same as above.....
TOTAL COST, $3453
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

HEATING AND VENTILATING ON above.
Contractor—Mechanical Eng. & Supply Co., 906 7th St., Sacramento.
Filed Aug. 2, '21. Dated July 19, '21.
Payments same as above.....
TOTAL COST, $2352
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ADDITION
1488 FERGER ST., Fresno. Addition.
Owner—P. M. Normart, 821 Divisadero St., Fresno.
Architect—None.
Day's work. $850

STORE
651 BROADWAY, Fresno. Store.
Owner—Jacob Richter, 701 Broadway, Fresno.
Architect—None.
Day's work. $3000

SLEEPING PORCH
655 WELDON ST., Fresno. Sleeping porch.
Owner—Emil Gundelfinger, Premises.
Architect—None.
Day's work. $750

ALTERATIONS
1161 F ST., Fresno. Alterations to rooming house.
Owner—G. Malanca, Premises.
Architect—None.
Day's work. $1500

DWELLING
339 CLARK ST., Fresno. Dwelling.
Owner—Chas. W. Fairbanks, Premises
Day's work. $3000

REPAIRS
1740 WEBSTER ST., Fresno. Repair dwelling.
Owner—F. Capp.
Architect—None.
Day's work. $1000

STORE
1919 McKENZIE AVE., Fresno. Store.
Owner—Henel Humphreys.
Architect—None.
Day's work. $1000

STORE BLDG.
WHITE AND BLACKSTONE AVES., Fresno. Store building.
Owner—Jacob Richter, 701 Broadway, Fresno.
Architect—None.
Contractor—Chris Sehrt, 2027 Fresno St., Fresno. $21,000

STORE
1480 FEGER ST., Fresno. Store.
Owner—A. & C. C. Carstens, Fresno.
Architect—None.
Day's work. $1750

DWELLING
LOCATION NOT GIVEN, Fresno. Dwelling.
Owner—Salvation Army.
Architect—None.
Contractor—N. J. Funch, Fresno.
$4000

GARAGE
645 BROADWAY, Fresno. Garage.
Owner—H. Cramer.
Architect—None.
Day's work. $1500

DWELLING
1363 POPLAR AVE., Fresno. Dwelling
Owner—C. L. Saylor, 3734 Illinois St., Fresno.
Architect—None.
Day's work. $5000

ALTERATIONS
1151 J ST., Fresno. Alterations.
Owner—C. T. Cearley, 1128 J St., Fresno.
Architect—None.
Contractor—A. Allen, 259 Blackstone St., Fresno. $1000

GARAGE
LOTS 7 TO 10 BLK 57, Fresno. Garage.
Owner—Sol. Davidson.
Architect—None.
Contractor—Valley Constr. Co. $8650

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Aug. 10, 1921—LOT 3 BLK 16, Ventura Heights No. 2, Fresno. Myrtle B Holiday to whom it may concern .....Aug. 5, 1921
Aug. 10, 1921—SEC. 33, 19-15 (Oil well No. 37). Pacific Oil Co to whom it may concern..Aug. 7, 1921
Aug. 9, 1921—LOTS 3 AND 4, Fuller Sub. Mae Marris to whom it may concern.....Aug. 3, 1921
Aug. 9, 1921—LOT 6 BLK 9, North Park Terrace, Fresno. Nels N Nelson to whom it may concern.....
.....Aug. 8, 1921
Aug. 3, 1921—LOTS 7 AND 8 BLK 19, Hazelwood. Manoog Manoogian to whom it may concern.July 1, 1921
Aug. 3, 1921—LOTS 22 AND 23 BLK 27, Arlington Heights, Fresno. O F Campbell to whom it may concern.....August 2, 1921

LIENS FILED

FRESNO COUNTY.

Recorded Amount
Aug. 10, 1921—LOTS 6 AND 7 BLK 7, Lincoln Terrace Addition, Fresno. C S Pierce Lumber Co vs F J Sutherland $56
Aug. 8, 1921—LOT 6, Terry Tract, Fresno. M A Spear vs Clementina Devecchio $53
Aug. 5, 1921—LOTS 1 TO 7 BLK 16, Laton. D Bartlett vs First M E Church $148

Notice of Non-Responsibility

FRESNO COUNTY

Aug. 9, 1921—NW ¼ OF SEC. 33, 13-22, Fresno. Phoenix Fruit Co as to improvements on property....

BUILDING CONTRACTS

SANTA CLARA COUNTY

ALTERATIONS
646 N THIRTEENTH, San Jose. Alterations.
Owner—M. Faso, premises.
Architect—None.
Contractor—G. Leone, San Jose. $400

ALTERATIONS
351 S EIGHTH, San Jose. Alterations.
Owner—Mary J. Curran, 6 S. 19th St., San Jose.
Architect—None.
Day's Work. $400

ALTERATIONS
181 S FIRST, San Jose. Alter front.
Owner—M. Hardy, 125 Lenzen St., San Jose.
Architect—None.
Contractor—Z. O. Field, 130 S. Market St., San Jose. $495

ALTERATIONS
101 N FIFTH, San Jose. Alterations.
Owner—Mrs. S. E. Miller, premises.
Architect—None.
Contractor—A. J. Nielson, 358 N. 4th St., San Jose. $400

SCHOOL
SANTA CLARA, Cal. All steel and iron work for two-story concrete school building.
Owner — Board of Education Santa Clara High School District, Santa Clara.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Brode Iron Works, 37

Hawthorne St., San Francisco.
Filed July 29, '21. Dated July 20, '21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $2560
Bond, $2560. Surety, New Amsterdam Casualty Co. Limit, 50 working days from July 20, 1921. Forfeit, $10. Plans and specifications filed.

LATHING AND PLASTERING ON above.
Contractor—J. McLeod, 180 Jessie St., San Francisco.
Filed July 29, '21. Dated July 20, '21.
Payments same as above.....
TOTAL COST, $9494
Bond, $9494. Surety, Globe Indemnity Co. Limit, 100 working days from July 20. Forfeit, $10. Palns and specifications filed.

DWELLING
479 HULL ST., San Jose. Dwelling.
Owner—E. E. Hoffman, 83 St. Mary St., San Jose.
Architect—None.
Contractor—Geo. Luebben, 897 Delmar St., San Jose. $875

ALTERATIONS
FIRST AND FOUNTAIN STS., San Jose. Alter front.
Owner—Max Blum.
Architect—Herman Krause, Bank of San Jose Bldg., San Jose.
Contractor—G. M. Latta, 95 Viola St., San Jose. $1500

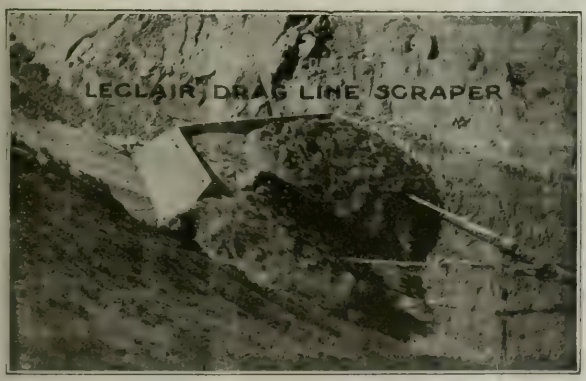
ADDITION
685 ORCHARD ST., San Jose. Addition
Owner—J. Salami, Premises.
Architect—None.
Day's work. $400

ALTERATIONS
SECOND AND SAN ANTONIO STS., San Jose. Alterations.
Owner—Y. W. C. A.
Architect—None.
Contractor—Morrison Bros., Santa Clara. $475

BUNGALOW
LOT 22 BLK 3, Hanchett Residence Park, San Jose. All work for six-room & breakfast room bungalow.
Owner—Sophia H. Hirst.
Architect—None.
Contractor—A. K. Burkett, 246 Randol Ave., San Jose.
Filed Aug. 3, '21. Dated Aug. 3, '21.
Buliding enclosed $1025.74
Brown mortar on..... 1025.74
Notice of completion filed.... 1025.74
Usual 35 days..... 1025.74
TOTAL COST, $4102.96
Bond, limit, forfeit, none. Plans and specifications filed.

BUNGALOW
E FULTON ST. bet. University and Hamilton Aves., Palo Alto. All work for one-story bungalow.
Owner—Alice H. Sumner, University Ave., Palo Alto.
Architect—Charles K. Sumner, 57 Post St., San Francisco.
Contractor—W. S. Couter, 660 Coiridge Ave., Palo Alto.
Filed Aug. 6, '21. Dated Aug. 4, '21.
Sheathing on walls and ceiling in place $904.75
1st coat plaster on..... 904.75
Completed and accepted..... 904.75
Usual 35 days..... 904.75
TOTAL COST, $3659.00
Bond, $3659. Sureties, Agnes G. Couter and Anton Prusa. Limit, 90 working days after Aug. 8. Forfeit, none. Plans and specifications filed.

SCHOOL
E LINCOLN AVE S of Minesotta Ave., San Jose. All work for one-story frame school building.
Owner — Trustees of Willow Glen School District (Mary Worthen, E. H. Warner, Geo. N. Stray), San Jose.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—C. F. Keesling, Coe Ave., San Jose.
Filed Aug. 9, '21. Dated Aug. 6, '21.
Frame up $1175
Plaster on 1175
Completed and accepted..... 1175
Usual 35 days..... 1175
Bond, $2350. Sureties, H. G. Keesling and G. L. Keesling. Limit, 65 working days from Aug. 6. Forfeit, $10. Plans and specifications filed.



Adopted for Cutting and Filling, Loading Cars, Cleaning out Reservoirs, Hauling Loose Materials of all Kinds.
217 Hyde Street Phone Franklin 138

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded Accepted
Aug. 5, 1921—LOT 3 OF THE Cadwallader-Taylor Sbdvn of a ptn of Lot 13 of the Los Coches Rancho, San Jose. William H O'Neil to whom it may concern...Aug. 5, 1921
Aug. 8, 1921—LOT 15 BLK 17 of the Wasnington Sub of Block 17 of the Cook & Branham Addition, San Jose. S F Walck to whom it may concern.....Aug. 5, 1921

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Aug. 8, 1921—PTN LOT 10 of the Alta Mesa Ranch near Mountain View. Wm Laughland vs A B Hughes and Ruth Haber.....$153.50
Aug. 8, 1921—PTN LOT 10 of the Alta Mesa Ranch near Mountain View. Adams Lumber Co vs A B Hughes and Ruth Haber.....$175.18

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

RESIDENCE
528 SOUTH SAN JOAQUIN ST., Stockton. Residence.
Owner—M. Schweitzer Sr., 1222 S-Pilgrim St., Stockton.
Architect—None.
Day's work. $1800

ALTERATIONS
415 EAST WEBER AVE., Stockton. Remodel lodge rooms.
Owner—John Jory.
Architect—None.
Day's work. $4500

ADDITION
1225 N CALIFORNIA, Stockton. Addition to residence.
Owner—Edwin H. Hess, 1225 N. California St., Stockton.
Architect—None.
Day's Work. $1000

RESIDENCE
E MAIN ST., Stockton. Residence.
Owner—Ramsey-Emerson Co., 540 E. Market St., Stockton.
Architect—None.
Day's Work. $1500

RESIDENCE
E ADAMS, Stockton. Residence.
Owner—Mrs. Saul Morris.
Architect—None.
Day's Work. $3200

RESIDENCE
CLAY & LINCOLN STS., Stockton. Residence.
Owner—T. F. Kosprovitz.
Architect—None.
Day's Work. $——

ALTERATIONS
46 SOUTH CENTER ST., Stockton. Remodel restaurant.
Owner—Paul J. Ross.
Architect—None.
Day's work. $900

ALTERATIONS
204 WEST JEFFERSON ST., Stockton. Remodel.
Owner—E. Rebozio.
Architect—None.
Day's work. $600

REMODEL
11½ SOUTH EL DORADO ST., Stockton. Remodel.
Owner—S. S. Parsons.
Architect—None.
Day's work. $2000

ALTERATIONS
39 SOUTH HUNTER ST., Stockton. Remodel building.
Owner—S. S. Parsons, Stockton.
Architect—None.
Day's work. $5000

FLATS
NORTH CENTER ST., Stockton. Frame building (4) flats.
Owner—M. Goldstein, 219 S-El Dorado St., Stockton.
Architect—None.
Day's work. $15,130

ALTERATIONS
16 SOUTH CENTER ST., Stockton. Remodel.
Owner—S. T. Sanguinetti, West Lane, Stockton.
Architect—None.
Day's work. $850

RESIDENCE
EAST MINER AVE., Stockton. Residence.
Owner—M. Schweitzer.
Architect—None.
Day's work. $1750

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

Recorded Accepted
Aug. 3, 1921—LOT 1, Lincoln Acreage. W A Hurst to whom it may concern.....July 15, 1921

BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW
LOT 4, La Honda Park, La Honda, Cal. Carpenter work, cleaning of cable, sewer and cess pool for bungalow.
Owner—G. H. Mize.
Architect—None.
Contractor—Bortley & Woodhams, La Honda, Calif.
Filed Aug. 2, '21. Dated July 29, '21.
Roof on $544.30
Completed 544.30
Usual 35 days..... 362.40
TOTAL COST, $1451.50
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

DWELLING
LOT 35 BLK 47, Easton Addition No. 4 to Burlingame. All work for four-room dwelling.
Owner—Frank Louis, — Main St., Mayfield.
Architect—None.
Contractor—Alfred C. Dahl.
Filed Aug. 4, '21. Dated July 25, '21.
Four equal payments.....
TOTAL COST, $3320
Bond, none. Limit, 90 days from July 27, 1921. Forfeit, none. Plans and specifications, none.

COMPLETION NOTICES

SAN MATEO COUNTY

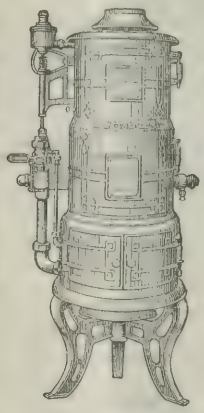
Recorded Accepted
Aug. 8, 1921—LOT 8 BLK 28, Easton Addition No. 2 to Burlingame. H J Hughes to H J Hughes. Aug. 3, 1921
Aug. 6, 1921—LOT 22 BLK 18, Easton Addition No. 2 to Burlingame. Mrs. Hannah E Dawson to Arthur Dusenberry.....July 28, 1921
Aug. 5, 1921 — LOT 2 BLK 23 San Carlos. Mercantile Trust Co. to Ben C. Zimmerman.....Aug. 1, 1921
Aug. 5, 1921—LOTS 13 & 14 Blk 24 San Carlos. Mercantile Trust Co. to Ben C Zimmerman...Aug. 1, 1921
Aug. 5, 1921—LOTS 3 & 4 BLK 25 San Carlos. Mercantile Trust Co. to Ben C. Zimmerman...Aug. 1, 1921
Aug. 5, 1921 — LOT 5 BLK 20 San Carlos. Mercantile Trust Co. to Ben C. Zimmerman.....Aug. 1, 1921

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Aug. 6, 1921—LOTS 9 AND 10 BLK 21 Addition No. 3, San Bruno Park, San Bruno. J Piconi vs Guiseppe Di Rista $204.50
Aug. 5, 1921—LOTS 9 & 10 BLK 21 San Bruno Park No. 3 Addition, San Bruno, Cal. San Bruno Lumber & Supply Co. vs Guiseppe Di Rista $768.10
Aug. 3, 1921—COBURN RANCH, Pescadero. J P Pennington vs C H Widman $737

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET


A BIG THING
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In applying for information regarding "Foreign Trade Opportunities" read the directions carefully and fully and follow them.

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Foreign Trade Opportunities

[Where addresses are omitted they may be obtained from the nearest **branch office of The Bureau of Foreign and Domestic Commerce** by application in letter form.]

It is requested that, in asking the Bureau of Foreign and Domestic Commerce for information regarding Trade Opportunities or reports of consular officers, correspondents **specify the number of the "opportunity"** or the author and date of the consular report sought, giving also any other data that might be useful in aiding the bureau quickly to identify the report sought. The list of offices on the Pacific Coast follows: **San Francisco, 310 United State Customhouse; Seattle, 107 Alaska Building.**

NOTE:—Be Careful that enough postage is placed on all catalogues. Complaint is made that Americans are careless about this.

35189—A commission merchant from JAPAN who is in the United States desires to purchase an ice plant, ammonia compressor, ice-plant motor, vacuum cleaners, cement scales, milling machines, railway supplies and equipment, and second-hand automobiles. Reference.

35190—A mercantile firm in MEXICO desires to purchase a steam-power caterpillar tractor. Quotations f. o. b. factory, catalogues, and descriptive literature should be forwarded. Cash to be paid.

35218—A construction corporation in CHINA is inviting tenders for the delivery of a floating pumping plant, for pumping ashore dredged material contained in barges, of an actual working output of 300 cubic yards per hour. Quotations should be given c. i. f. Chinese port, or f. o. b. American port. Payment to be made one-third with order, one-third on shipment, and one-third on acceptance. Specifications and further information may be secured from the Bureau or its district offices. (Refer to file No. 32264).

35254—A municipality in a CENTRAL AMERICAN country is soon to install a modern water and power system and requires piping, fittings, tools, and other equipment. Quotations should be given f. o. b. American port. Cash to be paid. Correspondence perferred in Spanish, though English may be used.

35259.—A manufacturer in MEXICO desires to purchase woodworking machinery for making hubs, spokes, and complete wagon and coach wheels. Quotations should be given f. o. b. El Paso, Tex. Cash to be paid in United States currency. Catalogues and prices requested. Reference.

35273.—A business man in CHILE desires to secure the representation of an American fire insurance company. References.

35277.—The American representatives of a mercantile firm in AUSTRALIA, desires to purchase and secure an agency for the sale of tools, padlocks, lanterns, lamp glasses or globes, table and pocket cutlery, meat choppers, and household hardware lines such as aluminum and enamelware. They also request samples and prices of textiles and paper, and glass and porcelain tableware. Purchases to be paid for in cash. Reference.

35282.—A mining company in CHILE desires to secure catalogues illustrating all manner of mining machinery, oil engines, pumps, rolling stock for railways and mines, locomotives, electrical machinery and appliances, tools, lubricating oils, packings, wire ropes, steels and irons, and explosives. These supplies are required for furnishing a railways, fleets of steamers, tugs and launches, workshops, foundries, power stations, farms, coal fields, etc. Quotations should be given c. i. f. Chilean port. References.

35283.—A hardware firm in MEXICO desires to purchase cheap and medium-priced wood-burning cooking stoves and ranges, of light weight, with four holes, cast iron top and doors, and sheet sides. The dimensions of the top should be about 20 by 24 inches. Quotations should be given f. o. b. El Paso, Tex. Cash to be paid. References. Catalogues are requested.

35287.—An importers in CHINA desires to be placed in communication with exporters of copper and lead.

FORMATION OF STATE HIGHWAY ASSN. IS COMPLETE

The California Highway Assn., which has been formed along the lines of the Massachusetts and New York associations, has been formally organized, according to Colonel Ed Fletcher of San Diego, who is president of the new association. The purposes of this organization are to acquire and disseminate knowledge, both theoretical and practical, relating to the construction and maintenance of roads, bridges and highways in the State of California. The membership will be confined to those having active connection with the administration or maintenance of city, county or state streets, roads or highways.

The men now in charge of this new association are as follows:

Colonel Ed Fletcher of San Diego, president; Richard J. Welsh, supervisor of this city and county of San Francisco, first vice-president; Jonathan Dodge, former chairman of the Board of Supervisors of Los Angeles County, second vice-president; J. C. Haveley, highway commissioner of Sacramento County, secretary and treasurer; other directors, W. O. Russell of Davis, chairman of the Board of Supervisors of Yolo County; Thos. McCormack, chairman of the Board of Supervisors of Solano County; Chris Jorgensen, chairman of the Board of Supervisors of Fresno County; Lin F. Shaw, highway commissioner of Imperial County; N. D. Darlington, president of the California Highway Commission.

PUBLIC ROADS FOR JULY

The July issue of "Public Roads," a monthly publication issued by the U. S. Department of Agriculture, contains "The Story of One Gravel Road," by B. E. Gray; "The Traffic Census and Its Use in Deciding Road Width," by A. N. Johnson; "Unusual Drainage Conditions in Public Roads District No. 12," by E. E. Kidder and A. B. Brown; "The Patrol System a Success in Grant County, Wash.," by A. F. Morris; "Tests for Sub-Grade Soils," by A. T. Goldbeck and F. R. Jackson; "Federal Aid Allowances and the Status of Federal Aid." All authors are members of the Bureau of Roads Staff with the exception of Mr. Johnson, who is dean of the Engineering College, University of Maryland.

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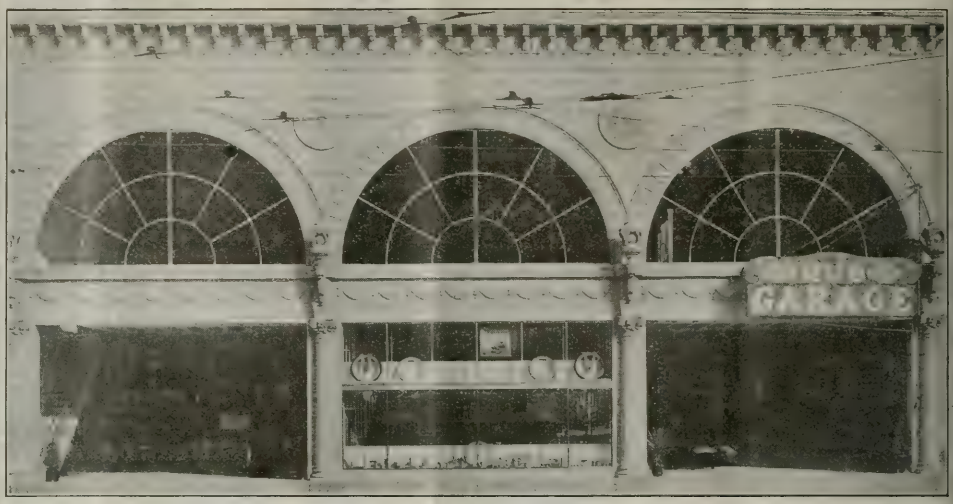

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Twenty-first Year, No. 34

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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ELECTRICAL INDUSTRY CENSUS ISSUED

The 1920 census of the manufacture of electrical machinery and apparatus shows returns from 1404 establishments, with products valued at $993,-220,000. In addition, electrical machinery and apparatus to a value of $21,-093,000 were produced as subsidiary products by 79 establishments in other lines of manufacture, making a total of $1,014,373,000.

In the census of 1914 there were 1030 establishments, with products valued at $335,170,000 and 91 establishments with subsidiary electrical machinery and apparatus to the value of $24,-262,000, a total of $335,170,000.

LUMBER CUT IN 1920 LESS THAN IN PREVIOUS YEAR

The 1920 lumber cut of the United States various little from that of 1919, but incomplete returns indicate that it was slightly less, state officiels of the forest service, United States departments of agriculture.

This opinion is based on reports received from 927 large mills, representing about one-half of the annual cut of the country, compared with reports from the same mills in 1919, as reported to the bureau of the census. The total reported cut of these mills was 16,709,115 M feet in 1920, as against 16,254,812 M feet during 1919—an increase of 3.4 per cent.

A heavy increase in cut is reported from Washington, Oregon, California, Idaho and Montana. The New York cut also increased. But there are indications of a 10 per cent decrease in the cut of the lake states, and also a general falling off in the production of southern pine, except in Georgia and South Carolina.

Cartwright Act Case Dismissed; Opinion of Judge McAtee

Upon charges of violating the Cartwright anti-trust act by a conspiracy in restraint of trade against Charles W. Gompertz, president, and William H. George, secretary of the Builders' Exchange, which were dismissed by Police Judge Sylvester McAtee, the following opinion was handed down:

I have placed what I have to say in writing, not because it at all approaches to the dignity of an opinion but in order that the record may be clear.

First of all, certain misconceptions may be cleared away. It is obviously absurd to suppose that this court in this action must pass upon the merits of the controversy that has been waged between employers and labor for nearly three months. Of course I express no opinion whether the arbitration board was right or wrong, whether labor was justified in rejecting the findings of the arbitration board, whether the employers were justified in the course that they took, whether this is a strike or a lockout, whether the American plan is right or wrong. Equally, of course, it is not my province to consider or discuss these questions.

This is a criminal proceeding wherein certain men are charged with the commission of a public offense. Without regarding whether they stand upon the side of capital or upon the side of labor, they are entitled to a fair determination whether there is sufficient cause to believe that a public offense has been committed upon which they should be held to answer to the Superior Court.

It will be unnecessary to review the evidence in detail. It is rather to the law that we must look. The defendants are charged with a violation of the Cartwright anti-trust law. That law has been read so often during the hearings that it will not be necessary to set it forth here in full. It prohibits combinations for certain purposes. We are concerned, I take it, from the admissions of the District Attorney, with only the first three subdivisions of Section One, namely: "To create or carry out restrictions in trade or commerce; to limit or reduce the production or increase the price of merchandise or of any commodity; to prevent competition in manufacturing, making transportation, sale or purchase of merchandise, produce or any commodity."

In the very words of the law, the combination must be for one of the purposes prohibited by its specific terms. Not every combination is prohibited, as is recognized in the law itself and by the Supreme Court in the Eastman Kodak, and the Ghirardelli cases. We may readily conceive a situation where there might be a combination and an incidental effect of restraint of trade and yet no violation of the Cartwright Act. Let us suppose that all the iron works of San Francisco entered into combination—as indeed they did in Dyer Bros. vs. Central Iron Works, 182 Cal. 588—and suppose the purpose of their combination was to resist certain demands of labor, and that they agreed that they would not resume their business of producing the various products that they turn out until the men would return to work upon stated conditions. In that situation there might actually be a restraint of trade. People who desired to purchase the products of the iron works would not be able to purchase. Thereby other industries might be seriously hampered and impeded. The public would be subjected to inconvenience. It would be actually an effective restraint of trade, for there would be no trade in those lines, and it would be the result of a combination. Yet, I am sure, it would not be contended here that such a combination was in violation of the Cartwright Act. For unless their purpose in combining was to accomplish one of the objects prohibited by law, it would not be illegal. And obviously their purpose was not a forbidden one, but had to do with a labor dispute.

In this case, before us the defendants entered into a combination. What was its purpose? What were they endeavoring to accomplish by it? Was it that they were endeavoring to create or carry out restrictions in trade or commerce, or to limit or reduce the production or increase the price of merchandise or of any commodity, or to prevent competition in manufacturing, making, transportation, sale or purchase of merchandise, produce, or any commodity? There is nothing anywhere in the evidence to indicate any such purpose. It stands clear throughout all the testimony that their purpose was to accomplish certain results bearing upon a labor dispute. There is no doubt of that in the mind of anyone who knows anything of the case. Indeed this courtroom has been crowded day after day and is crowded this morning, precisely because this is one phase of a labor dispute. If it were a question merely of a combination in restraint of trade, there would not have been a dozen people in this courtroom at the various hearings.

Labor disputes are not within the contemplation of the Cartwright Act. The act itself exempts labor from the effect of its provisions. That is so clear that it needs no argument in its support. But if there were any doubt, under the Cartwright Act, we would need only to turn to other laws and the decisions of the Supreme Court of this state.

The Statute of 1903, p. 289, has been referred to. It reads:

"No agreement, combination or contract by and between two or more persons to do or procure to be done, or not to do or procure not to be done, any act in contemplation or furtherance of any trade dispute between employers and employees in the State of California shall be deemed criminal, nor shall those engaged therein be deemed criminal, nor shall those engaged therein be indictable or otherwise punishable for the crime of conspiracy, if such act committed by one person would not be punishable as a crime, nor shall such an agreement, combination, or contract, be considered as restraint of trade or commerce, nor shall restraining order or injunction be issued in relation thereto."

Words could not more clearly express the legislative intent upon the situation with which we are here concerned. It has been said here that the Statute of 1903 has been declared unconstitutional. I do not think so. The decision in Pierce vs. Stablemen's Union, declared no more than that it would be unconstitutional if the construction there contended for was conceded. The construction contended for in that case was that this law exempted trade unions from the operation of the general laws and the court held that under such construction it would be special legislation granting privileges and immunities to certain

citizens or classes of citizens which, upon the same terms, were not granted to all citizens. The court was there concerned with a particular construction of the law that was contended for, and did nothing more, I think, than hold that such a construction would make the law unconstitutional.

If it is not unconstitutional, then it solves this case completely. For the Statute of 1903 says that an act done in combination in a labor dispute is not a crime if such act committed by one person would not be a crime. The District Attorney in this case has admitted that any individual may refuse to sell his merchandise to any one whatsoever. If he may refuse to do so individually, he may refuse to do so in combination with others if such act is in contemplation or furtherance of a trade dispute.

Thus we have a statute in point upon the case before us. We have also decisions of our Supreme Court that will show the judicial attitude toward such a situation as here confronts us. It is needless to review the decisions in this state holding that the boycott and the secondary boycott are legal in labor disputes. The law is too thoroughly established. We need refer only to the Parkinson case, the Goldberg-Bowen case and Pierce vs. Stablyemen's Union above noted. Briefly, the rule is that in a labor dispute, labor may not alone boycott an individual, but may apply the secondary boycott by threatening to boycott a third person who has dealings with the person originally under the ban. If that be true as regards employees it must be true with regard to the employer as well; otherwise we would again run foul of the constitutional inhibition against granting privileges and immunities to certain citizens or classes of citizens which upon the same terms were not granted to all citizens.

But we need be in no doubt about the judicial attitude upon this point. Mr. Justice Sloss in his concurring opinion in the Parkinson case, cited with approval as indicating what acts are not illegal, the case of Cote vs. Murphy, 159 Pa. St. Rep. 420.

I quote from the Pennsylvania case: "The plaintiff, at the time, was doing business in the City of Pittsburg, as a dealer in building materials. He was not a member of either the Planing Mill Association or of the Builders' Exchange. There were also contractors and builders who belonged to neither of these organizations, who conceded the demands of the workmen. They sought to secure building material from dealers wherever they could and thus go on with their contracts. If they succeeded in purchasing the necessary materials, the result would be that at least some of the striking workmen would have employment at a higher rate of wages than the two associations were willing to pay. The tendency of this was to strengthen the cause of the strikers, for those employed were able to contribute to the support of their fellow workmen who were idle. The two associations already named sought to enlist all concerned, as contractors and builders or as dealers in supplies, whether members of the association or not, in the furtherance of the one object, resistance to the demands of the workmen. The plaintiff and six other individuals or firms engaged in the same business, refused to join them and undertook to continue sales of building material to those builders who had conceded the eight-hour day. The Planing Mill Association and the Builders' Exchange tried to limit their ability to carry on work at the advance by inducing lumber dealers and others to refrain from shipping or selling them, in quantities, the lumber and other material necessary to carry on the retail business. In several instances their efforts were successful and the plaintiff did not succeed in purchasing lumber from certain of the wholesale dealers in Cleveland and Dubois, where he wanted to buy. The defendants were active members of one or other or both of the associations engaged in the contest with the striking workmen. The strike continued about two months."

"The plaintiff's case is not one which appeals very strongly to a sense of justice. The mechanics of Pittsburg engaged in the different building trades, on the first day of May, 1891, demanded that eight hours should be computed as a day in payment of their wages. Their right to do this is clear. It is one of the indefeasible rights of a mechanic or a laborer in this commonwealth to fix such value on his services as he sees proper, and under the Constitution there is no power lodged anywhere to compel him to work for less than he chooses to accept. But in this case the workmen went further. They agreed that no one of them would work for less than the demand and by all lawful means, such as reasoning and persuasion, they would prevent other workmen from working for less. Their right to do this is also clear.

"The strike was conducted throughout in a lawful, orderly manner. The employers, contractors and others engaged in building and furnishing supplies—members of the two associations already mentioned, to which these defendants belonged—refused to concede the demands of the workmen, and then there followed a prolonged and bitter contest. The members of the associations refused to furnish supplies to those engaged in the construction of any building where the contractor had conceded the eight hour day. This, as individual dealers, they had a clear right to do. They could sell and deliver their material to whom they pleased. But they also went further: They agreed among themselves that no members of the association would furnish supplies to those who were in favor of or had conceded the eight hour day, and that they would dissuade other dealers, not members of the association, from furnishing building material to such contractors or retail dealers. To the extent of their power this agreement was carried out. This clearly was combination, and the acts of assembly referred to do not, in terms, embrace such employers. They include, within their express terms, workmen. Hence it is argued by counsel for appellee that these defendants are subject to all the common law liability of conspirators, in their attempt to resist the demands for increased wages; that is, there can be a combination among workment to advance wages, but there can be no such combination of employers to resist the advance. That which by statute is permitted to the one side, the common law still denies to the other.

"If this position be well taken, we then have this inequality: the plaintiff, who is aiding combination, either directly or indirectly, intentionally or unintentionally, to advance wages, sues for damages members of another combination who resist the advance. Nor is there any difference in the character of the act or means on both sides in furtherance of their purposes. The workmen will not work themselves, and they use persuasion and reason with their fellows to keep them from going to work, until the demand is conceded. The employers will not sell to contractors who concede the demand and they do their best to persuade others engaged in the same business from doing so.

"It is not our business to pass on the soundness of the theories which prompt the enactment of statutes. One thing, however, is clear; the moment the legislature relieves one, and by far the larger number of the citizens of the commonwealth from the common law prohibition against combinations to raise the price of labor, and by a combination the price was raised, down went the foundation on which common law conspiracy was based as to that particular subject."

The above, I think, clearly disposes of this case. The task of this court is made easy in my opinion. From the lengthy argument that was made and the numerous authorities that were cited at the beginning of these hearings, I thought that the case would turn upon a very fine legal point—upon a hair line of law. Upon the hearing of the evidence such proves to be not the case. It seems to me that the duty of this court is made very clear by the evidence. I am not at all surprised that the Grand Jury has not indicted these defendants upon this charge.

The suggestion has been made by the District Attorney that it is not the duty of this court to pass upon the guilt or innocence of the defendants, but only upon the question of reasonable cause to hold. That is true. But I conceive it to be the duty of this court to be convinced that there is reasonable cause for a holding and in my opinion there is not such reasonable cause, then I submit that these defendants are entitled as a matter of right to a dismissal. Any suggestion that the final determination must in the event of a holding, be made before another tribunal, is merely an argument for passing along the responsibility. It would be an easy way out, and I am frank to admit I think it a politically expedient way. Indeed the intimation of political expediency in disposing of this case has been made. Unfortunately, however, matters canot properly be decided in a court of justice by nicely balancing political expediency. I am aware of the forces that are arrayed in this controversy and of the probable consequences that may result from my action. I must accept those consequences. Certainly I would not permit political expediency to weigh Neither can I against these defendants. Neither can I against these defendants.

I find that there is not sufficient or reasonable cause to believe that a public offense has been committed. The defendants are therefore dismissed.—The Recorder.

CALIFORNIA WEEKLY BANK CLEARINGS

Bank Clearings as reported to the California Development Board by the several clearing house cities for the week ending August 11, 1921, showing the amount of increase or decrease from the amount reported the corresponding week, last year:

		Decrease
San Francisco..	$120,300,000	$28,300,000
Los Angeles ..	72,407,000	1,605,000
Oakland	10,482,242	*108,200
Sacramento ...	5,724,213	888,393
San Diego	2,944,236	296,513
Fresno	3,849,626	808,898
San Jose	1,682,765	732,594
Pasadena	2,836,680	*654,913
Bakersfield ...	997,353	128,625
Long Beach...	3,397,821	*401,134
Santa Rosa....	354,578	76,501
Whittier	No report	
Modesto	590,074	278,464
San Bernardino ...	1,258,300	

*Increase.

TRADE NOTES FROM MEXICO

[Prepared by the Latin American Division]

Housing Shortage in Mexico City.

In answer to the many protests against high rents being made by those in Mexico City who are not owners of dwellings, writes Assistant Trade Commissioner R. M. Connell, the Excelsior states that there is a shortage of dwellings for more than 100,000 persons in the capital. It is estimated by this periodical that since the year 1914 the population of Mexico City has increased by more than 200,000, while during this period of seven years but 2,000 houses have been erected.

New Railway Project

On June 7, reports Assistant Trade Commissioner R. M. Connell, the Federal Government authorized the construction of a railroad from Mazatlan, Sinaloa, to Llano Grande, Durango, to be administered by the Government. The explanation of this decree, as state officially, is the need of extending to the North Pacific coast the lines in the interior and uniting the central and southern sections of the Republic with the northeastern States, thus allowing free and convenient outflow for the products of those regions and in turn permitting the easy entry of merchandise from North America and the Orient. It is expected that this vast area, at present practically unexploited for lack of communications, will be led to undergo a period of notable development upon completion of the project.

The Observer

The composite price of brick was $14.49 per thousand July 1, as compared with $15.14 June 1, 1921. These figures are given in the monthly digest of the Common Brick Manufacturers' Association of America. It is stated there is nothing in the reports from manufacturers to indicate lower costs of manufacture and the lower composite price is attributed to over-competition in some centers.

Homes, Homes and more Homes! Harry W. Isaacs of Oakland heard the cry and will erect twelve residences in the Maxwell Tract. The buildings will cost $40,000.

At least $120,000 more than the estimates previously submitted by the filtration engineers will be required to complete the Sacramento city filtration plant, according to officials. The engineers estimated last spring a bond issue of $720,000 would be needed to complete the plant, but the new city officials say it will require at least $900,000.

Anderson, Gale & Nilsson, attorneys of Prescott, Ariz., have offered their services free to the Yavapai County Highway Commission to defend the suit brought to enjoin the commission from proceeding under a contract with Olmsted & Gillelen of Los Angeles, consulting engineers, to supervise construction of the county highways under the $1,500,000 bond issue.

W. A. Dontanville, contractor, who laid the concrete paving in Main and Third streets, Petaluma, has filed with the city council a claim for $2,800, alleged to be due him from the city because of delays occasioned by the alleged failure to deliver rock and sand. Dontanville says he was delayed a total of eleven days.

The Park Directors of Oakland have filed with Mayor Davie a recommendation seeking the appointment of a landscape engineer for overseeing the planning and carrying out of park development.

Suit has been filed in the Superior Court by Architect Willis Polk against the First National Bank, First Federal Trust Co., and Chas. E. Gottschalk, Architect, for damages in the sum of $15,000. Polk, in his complaint, alleges that the defendants used in the construction of a bank building ideas that belonged to him. Polk declares he was employed by the First National Bank to draw plans for a bank building to be erected at Montgomery and Market Sts. In January of 1920, Polk says, the originally proposed building not having been built, the bank borrowed from him, for the "purpose of inspection" the drawings he prepared ten years ago. He charges that the bank then built a smaller bank building, basing the building plans on his ideas. He contends that the ideas belong to him and may not rightfully be used by others without his permission.

Buildings are scarce in Los Angeles—a saloon, billiard hall and store building will be remodeled into a church.

Plans for development of the area on the Middle and South Forks of the Yuba and Bear rivers in Yuba and Nevada counties to the extent of $18,000,000 are before the Federal Water Power Commission, according to word received at Marysville.

"You can bet your last dollar,"
Said wise Old Man Brown,
"That when buildings go up,
That the rents will come down."

Melting snow in mid-summer to provide water for cement is the means adopted by the landscape engineering department of the National Park service in the construction of a new lookout station and shelter at the top of Mount Washburn. Situated more than 10,000 feet above the sea-level, this structure presented a building problem that promised to stump engineers. They hit upon the method of using artificial means of melting snow, but recently the summer weather has melted it so rapidly that the work has had to be rushed to be completed before the water supply runs out.

Irving Kahn, Vice-President of Kahn's Department Store in Oakland, says a building campaign would aid in the city's growth. "We used to say that what Oakland needed was a few funerals. We've had the funerals and things have not improved materially. What we have to do is to begin with the individual and start a building campaign."

Claims for $117,653 against the State of Nevada have been filed by C. P. Thomas, J. H. Rooney and C. D. Francis. The money is alleged to be due the three men for a contract awarded them for highway work in Elko county, and later taken over by the State Highway Department. The claims include general and punitive damages. The department claims it took over the contract after the contractors had notified the state highway engineers of unwillingness to complete the work, and refused a subsequent request that the contract be returned.

'Tis said that Pat Ward, an expert in concrete construction, is attempting to perfect a process whereby dilapidated horses may be rebuilt through a system of reinforcing steel and concrete. Details are lacking, hence we are at a loss to know what kind of horses Pat expects to work on.

Work on practically all city improvement projects in Seattle has been temporarily halted, due to an order of the Board of Public Works "that all laborers employed by the city be citizens and registered voters." Approximately 450 men were affected by the order, according to Assistant City Engineer W. H. Tiedeman.

The Bureau of Mines has issued a report of the investigations of Oliver Bowles on "slate as a permanent roofing material."

The General Fireproofing Co., Youngstown, Ohio, has perfected a new product called "Desmond Rib-lath" for use in suspended ceilings or walls and in connection with steel tile and steel lumber floor construction. Samples of the material will be furnished by addressing the Engineering Service Department of the company.

Inferring from his conduct during these troublous times of labor difficulties on both sides of the bay, we should say, if asked, that P. H. McCarthy has joined the San Francisco Chamber of Commerce.—Oakland Enquirer.

Badt-Falk Co. of San Francisco, dealers in reinforcing steel, will open offices in the Pantages Building, Los Angeles, with Mr. Badt in charge.

Lack of demand for lumber is closing mills in El Dorado County, according to reports received from Placerville.

The Postle Co., architects, structural and civil engineers, Los Angeles, announce its organization and entrance into Southern California field. The firm is composed of Mr. D. E. Postle, Architect; Mr. H. R. Postle, Civil Engineer, and Mr. George R. Postle, Architect and Structural Engineer. Mr. D. E. Postle was for the past 29 years a member of the firm of Postle & Fischer, Architects and Engineers, of Chicago.

C. C. Cottrell, Nevada State Highway Engineer, will resign, according to reports from Carson City. It has been known for some time that Cottrell has received offers from other public and private highway organizations, but his resignation from the Nevada department has been held in abeyance pending the settlement of details. Cottrell has been connected with the Nevada department since its organization in 1917, coming here from California, where he had been engaged in highway work. Upon the resignation of Robert K. West to join the military forces in 1918 Cottrell was appointed to succeed him as chief engineer and he has held that position since that time.

The Pythian Building Association of Martinez has been organized. The association plans the erection of a $25,000 lodge building at Castro and Ward Sts., Martinez.

Eugene Hogan, brother of W. B. Hogan, died in Stockton, August 16th.

Pacific-Portland Cement Company, Consolidated, complains to the Railroad Commission against the Central California Railroad, Southern Pacific Company and Sacramento Northern Railroad Co. alleging that joint rates established by the carriers August 1 from Davenport and San Juan to points on the Sacramento Northern discriminate against the complainants plant at Cement, Contra Costa County.

The Santa Maria Gas & Power Co. has served notice on the San Luis Obispo City Council declaring that unless bills, amounting to approximately $3,600 for street lighting are paid, the city will be in darkness before September 15. 'Tis said, altho not confirmed that the council is seriously considering the substitution of moonshine for lighting the city's thoroughfares.

Building News Section

APARTMENT HOUSES

Sketches Prepared.
APARTMENTS $80,000
SAN JOSE, Santa Clara Co., Cal.
Four-story reinforced concrete community apartments (16 4-room apts.)
Owner—Withheld.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Low Bidder on Structural Steel.
APARTMENTS Cost, $——
SAN FRANCISCO. S Bush St. W Leavenworth St.
Four-story Class C apartment house (12 3-room apts.).
Owner—John O. Titlow.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Golden Gate Iron Works submitted lowest bid at $4880.

Ready for Figures About September 1.
APARTMENTS Cost, $73,000
SAN FRANCISCO. Vicinity of Larkin and Geary Sts.
Four-story and basement 67-room apt. house.
Owner—Withheld.
Architect — Smith O'Brien, Bankers Investment Bldg, San Francisco.

Figures to be Taken in Two Weeks.
APARTMENTS Cost, $100,000
SAN FRANCISCO. NE Leavenworth & Washington Streets.
Six-story and basement reinforced concrete apartment house (13 4-room apts.).
Owner—Dr. J. A. Simpson.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Figures will be taken for a general contract.

To Be Done by Day's Work
APARTMENTS Cost, $70,000
SAN FRANCISCO. W. Stockton 91.6 North Bush.
Five-story and basement concrete apartments (29).
Owner—L. B. Ham, 105 Montgomery St., San Francisco.

BANKS

Plans Being Figured.
BANK Cost, $15,000
LAKEPORT, Lake Co., Cal.
One-story and basement reinforced concrete bank.
Owner—Bank of Lake.
Architects—Morrow & Garren, Chronicle Bldg., San Francisco.
Vaults, safe deposit boxes, burglar alarm and time clock systems, plate glass front, marble or tile vestibule.

BONDS

YUBA CITY, Sutter Co., Cal.—Until Sept. 6, bids will be received by the Supervisors for the purchase of the $38,000 bond issue of the Central-Gaither Union School District; proceeds of the sale to finance construction of a new school.

FRESNO, Fresno Co., Cal.—Supervisors sell $20,000 and $37,000 bond issues of Sanger and McKinley School Districts, respectively; proceeds of the sale in each instance will finance construction of a new school building.

ORLAND, Glenn Co., Cal. — State Board of Control purchases $20,000 bond issue to finance purchase of auxiliary engine for water works.

SANTA ROSA, Sonoma Co., Cal.—An election will be held in the Bloomfield School District August 26 to decide the question of issuing and selling bonds of $14,000 to finance construction of a new school building. Trustees of the district are: Joseph W. Salz, James Martin and Russell L. Smith.

GRASS VALLEY, Nevada Co., Cal.—The $140,000 bond issue of the Grass Valley High School District has been sold by the County Supervisors with a premium of $2,460. Proceeds of the sale will finance construction of a new high school building, plans for which are being compelted by Architect Wm. Mooser, Nevada Bank Bldg., San Francisco.

CHURCHES

Plans Being Prepared.
CHURCH Cost, $60,000
ANAHEIM, Orange Co., Cal. Center & Helena Streets.
Two-story reinforced concrete church building (tile roof).
Owner—The Christian Church, Rev. Lauren Howe, Pastor, Anaheim.
Architect—Not Given.

SANTA MONICA, Los Angeles Co., Cal.—Architect C. M. Skilling, 430 Bradbury Bldg., has been commissioned to prepare plans for a new church building for 3rd and Arizona streets, Santa Monica, for the First Presbyterian Church of Santa Monica; auditorium to seat 1040 people; Sunday school department, classrooms, social quarters; brick walls, stucco exterior, clay tile roof, art glass, ornamental iron, staff work, heating and ventilating; $100,000.

FACTORIES & WAREHOUSES

Contract Awarded.
PACKING SHED Cost, $16,450
LODI, San Joaquin Co., Cal.
One-story hollow tile fruit packing shed.
Owner—J. A. Anderson, Lodi, Cal.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
Contractor—Hieb Bros., Lodi, Cal.

Figures to be Taken End of Next Week.
FACTORY $40,000
SAN FRANCISCO. Howard Street near Second.
Two-story and basement brick reinforced concrete factory.
Owner—Louis R. Lurie.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Figures will be taken for a general contract.

Bids Close August 22, 1921.
LOFT BLDG. Cost, $43,000
OAKLAND, Cal. Franklin St., opp 17th.
Two-story reinforced concrete loft building.
Owner—W. Wakefield.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Mr. McCall is also making preliminary sketches for a church to cost about $65,000.

Preliminary Plans Being Prepared.
FACTORY Cost, $—
LOS ANGELES, Los Angeles Co., Cal. Ninth St. and Maple Ave.
Ten-story reinforced concrete factory, 80x320.
Owner—Adam F. Hoch & Co., 325 S-Hill St., Los Angeles.
Architects—John & Donald B. Parkinson, 42 Title Insurance Bldg., Los Angeles.

Contracts Awarded.
WAREHOUSE Cost, $——
RICHMOND, Contra Costa Co., Cal.
Pile Driving and floor structure for warehouse.
Owner—City of Richmond.
Engineer—H. B. Chapman, Richmond.
Hannah Bros., 142 Sansome St., San Francisco, has been awarded the contract for the pile work and Mathew Morton, Ellis St. near Prince, Berkeley, the contract for the floor structure.

Contract Awarded.
FACTORY Cost, $27,000
VALLEJO, Solano Co., Cal. Georgia Street.
Three-story reinforced concrete store and factory.
Owner—Meyer Liberman.
Architect—Bernard J. Joseph, Call Bldg., San Francisco.
General Contractor — H. Dubnoff, Vallejo.
Bids for plumbing, painting and electrical work will be taken separately.

All Bids Rejected.
SHED
OAKLAND, Alameda Co., S 8th E of Fallon. One-story shed.
Owner—City of Oakland.
Architect—Architectural Dept., City Hall, Oakland, Cal.
The lowest bid was received from A. J. McPhee at $5300 and $9000.
TRACY, San Joaquin Co., Cal.—Naglee-Burk Dairymen's Association announce work will be started immediately rebuilding the milk cooling plant recently destroyed by fire. The plant is located about 3 miles west of Tracy. Approximately $15,000 will be spent in construction.

FIREHOUSES AND JAILS

FRESNO, Fresno Co., Cal.—Until Aug. 25, 3 p. m., bids will be received by R. Y. St. George, City Clerk, for constructing new fire engine house on lots 18 and 19, block 10, North Park terrace. Certified check 10% payable to city required with each bid. Plans may be had from clerk.

FLATS

Contract Awarded.
FLATS Cost, $30,000
LOS ANGELES, Cal. No. 2900 Francis Avenue.
Two-story frame flat building (42 rooms, 10 flats), 100x84.
Owner—York Realty Co., 40 Montgomery St., San Francisco,

Architect — Edward E. Young, 251 Kearny St., San Francisco.
Contractor—F. H. Muchmore, 1157 W-28th St., Los Angeles.

Preliminary Plans Being Prepared.
FLATS Cost, $18,000
SAN FRANCISCO.
Three-story 5-room frame and plaster flats.
Owner—Withheld.
Architect—Albert J. Fabre, 110 Sutter St., San Francisco.

GARAGES

Contract Awarded.
GARAGE Cost, $18,000
SAN FRANCISCO. N Eddy Street 130-2 E Webster Street.
One-story reinforced concrete public garage.
Owner—F. W. Leis, 109 Montgomery St., San Francisco.
Architects—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—American Concrete Co., 785 Market St., San Francisco.

Plans Being Prepared.
GARAGE Cost, $142,000
LOS ANGELES, Los Angeles Co., Cal. 11th and San Pedro Sts.
One-story and basement garage.
Owner—South Cal. Telephone Co., Los Angeles.
Architect—Not given.

Site Purchased.
STORAGE, ETC. $150,000
PASADENA, L. A. Co., Cal. S. Marengo Ave.
Six-story Class A rein. con. storage and garage building.
Owner—Pasadena Transfer & Storage Co.; H. G. Cattell, Pres.; 65 South Broadway, Pasadena.
Architect—None.

Plans Being Figured.
AUTO WAREHOUSE Cost, $20,000
SAN FRANCISCO. Eddy St. east of Van Ness Ave.
One-story and basement reinforced concrete auto sales building and warehouse.
Owner—C. W. Humphrey.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.

GOVERNMENT WORK AND SUPPLIES

TURES FOR U. S. POST OFFICE

WASHINGTON, D. C.—The following bids were received on August 12th by Jas. A. Wetmore, Acting Supervising Architect, for furnishing and installing or for furnishing and delivering, lighting fixtures on the U. S. Post Office, Court House, and Custom House at Honolulu, T. H.:

(A) furnished and installed; (B) furnished only.

Beardsley Chandlier Mfg. Co.
(a) $12,111.65; (b) $10,998.50.
Cassidy Co., New York.
(a) $10,000; (b) $8,500.
E. J. Schroeder Lamp Wks, Jersey City.
(a) $13,783.95; (b) $——.
Simes Co., New York.
(a) $——; (b) $8,392.
Kayline Co., Cleveland.
(a) $7,500; (b) $6,700.
F. Storsberg, Newark.
(a) $10,489; (b) $9,230.

WASHINGTON, D. C.—The following bids were received on August 15th by the Acting Supervising Architect, Jas. A. Wetmore, for the construction of a two-story and basement brick and reinforced concrete United States Post Office and Court House Building at Globe, Arizona:

W. D. Lovell, Minneapolis.....$ 94,880
J. H. Wiese, Omaha..... 117,720
Wm. McDonald, St. Louis..... 119,738
Hillard & Pierce, New York.... 96,284
Jas. W. Martin, Phoenix..... 124,000

WASHINGTON, D. C.—Following is a list of prospective bidders for Pacific Coast improvements, specifications for which were prepared by Bureau of Yards and Docks, Navy Department:

Pear Harbor, T. H., Specification No. 4464, erection of steel for machine shop; bids to be opened Sept. 21:

McClintic - Marshall Co., Munsey Bldg., Washington.

Donnell-Zane Co., Woolworth Bldg., New York City.

Penn Bridge Co., 4029 4th avenue, Beaver Falls, Pa.

Bethlehem Fabricators, Inc., Bethlehen, Pa.

American Bridge Co., Wilkins Bldg., Washington.

Puget Sound, Wash., and South Boston, Specification No. 4478, 50-ton steam locomotive job cranes; bids to be opened Sept. 7:

McMyler Interstate Co., Bedford, Ohio.

Brown Hoisting Machinery Co., 4403 St. Clair avenue, Clevelnad.

Industrial Works, Bay City, Mich.

American Hoist & Derrick Co., St. Paul, Minn.

F. E. Gillmore, 13817 Woodworth road, Cleveland.

Terry Mfg. Co., Grand Central Term., New York City.

General Electric Co., Schenectady, N. Y.

American Bridge Co., Wilkins Bldg., Washington.

San Diego, Cal., Specification No. 4485, dredging and filling:

Penn Bridge Co., 4029 4th avenue, Beaver Falls, Pa.

Ellicott Machine Corp., 1111 Bush street, Baltimore.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, awards contracts as follows:

Specification 4429, San Diego, Cal., alterations to part of barracks C-1, naval base, Miller & Eddleman, 401 Central Mortgage Bldg., San Diego, Cal., $3,089, 90 days.

Specification 4456, Mare Island, heating system for moved buildings at marine barracks, Herman Lawson, 340 4th avenue, San Francisco, $7,593, 90 days.

Specification 4458, San Diego, dolphins and repairs to fender system, Ross Construction Co., $2,400, 90 days.

Specification 4466, San Diego, automatic sprinkler system, Western Automatic Sprinkler Co., 1031 Van Nuys Bldg., Los Angeles, Cal., $18,380, 100 days.

SAN FRANCISCO.—Until August 25, 11 a. m., bids will be received by U. S. Engineer Office, 240 Montgomery St., under Order No. 3235, for furnishing and delivering f. o. b. regular wharf, Ilio Vista, Solano county:

40 pcs 3 in. by 6 in by 36 ft and 200 pcs. 2 in. by 6 in. by 10 ft. pine, No. 2 clear and better, s. 4 s.; 20 pcs. 2 in. by 4 in. by 12 ft. and 20 pcs. 1 in. x 12 in. by 12 ft. pine, clear, s. 4 s.; 10 pcs. 1 in. by 12 in. by 12 ft. and 10 pcs. ½ in. by 12 in. by 12 ft. redwood, clear, s. 4 s., and 12 ft. oak turned to 7¼ in. round.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering the following supplies for Pacific Coast Navy Yard; date for opening bids as noted at end of each paragraph:

Schedule 8567, for Mare Island, 180 sheets polished plate glass, August 26.

Schedule 8568, for Mare Island, 1,670 square feet white porcelain floor tile, August 26.

Schedule 8575, for Mare Island, 97,200 pounds medium hull steel plates and 15,725 pounds steel angles, August 26.

Schedule 8585, for Puget Sound, 1,000 feet 1½-inch rubber suction hose, August 26.

Schedule 8588, for Puget Sound, 80,000 pounds marine glue, August 26.

Schedule 8625, Mare Island, 1,600 ship scrapers, September 6.

Schedule 8626, Mare Island, 10,000 gallons paint drier and 2,000 gallons damar varnish, September 6.

Schedule 8632, Mare Island, 55,350 pounds angle and bar steel, September 6.

Schedule 8637, Mare Island, a miscellaneous quantity of electric cable and 13 terminals, September 6.

Schedule 8641, Mare Island, 5 transformers and 2 watthour meters, September 6.

Schedule 8642, Mare Island, a miscellaneous quantity of electric cable, September 6.

SAN FRANCISCO.—Until Aug. 27, 11 a. m., bids will be received by U. S. Engineer Office, 240 Montgomery street, under Order No. 3238, for furnishing and delivering, Rio Vista, Solano county:

Four qts. paint, Nile green, in 1-qt. cans; 4 qts, paint, olive green, in 1-qt. cans; 10 gals. spar varnish; 20 gals. boiled linseed oil in 5-gal. cans; 50 gals. paint, gray, in 5-gal. cans; 6 paint brushes, flat 2-in, submit sample; 6 paint brushes, flat 2½-in.

HALLS AND SOCIETY BUILDINGS

Figures to Be Taken in About One Week.
COMMUNITY BLDG. Cost, $40,000
FORT BRAGG, Mendocino Co. Two-story frame community building (auditorium, swimming pool, etc.)
Owner—Fort Bragg Community Center Cptn.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Day's work.

Plans Being Prepared.
OFFICE BLDG. Cost, $150,000
TUCSON, Arizona. Sixth and Alameda Streets.
Four-story and basement store, office and lodge building.
Owner—Knights of Columbus, Tucson, Arizona.
Architect—Not Given.

HOSPITALS

Commissioned to Prepare Plans.
ISOLATION WARD Cost, $25,000
RENO, Nevada.
Isolation ward for County Hospital.
Owner—County of Washoe, Nevada. E. H. Beemer, Clerk, Reno, Nevada.
Architect—Geo. Ferris & Son, Colonial Apartments, Reno, Nevada.

SACRAMENTO, Sacramento Co., Cal. —Meyer & Johnson, Bankers' Invest. Bldg., San Francisco, will be the Architects for the newly incorporated Sutter Hospital at Sacramento. The building is expected to cost about $500,000. A site will be determined shortly.

HOTELS

Contract Awarded
FOUNDATION, ETC. Cost $225,000
TULARE, Tulare Co., Cal.
Excavation and concrete foundation work.

Owner—San Joaquin Valley Hotel Co., Tulare.
Architects—Leonard L. Jones and E. L. Mayberry, 468 Pacific Electric Bldg Los Angeles.
Contractor—Leon Leboza, Tulare.

Preliminary Plans Being Prepared.
ADDITION Cost, $30,000
VENTURA, Ventura Co., Cal. Main St. near First.
Thirty-room addition to hotel.
Owner—J. M. De Leon, Ventura.
Architect—Not Given.

Plans Being Figured.
HOTEL BLDG. Cost, $——
GILROY, Santa Clara Co.
Three or 4-story hotel building.
Owner—Name withheld.
Architect—W. H. Weeks, 75 Post St., San Francisco.

PUBLIC BUILDINGS

Plans Being Figured—Bids Close Aug. 30, 1921.
MUNICIPAL BLDG. Cost, $35,000
GLENDORA, Los Angeles Co., Cal.
Brick municipal building.
Owner—City of Glendale.
Architect—Alfred W. Rea and Chas. E. Garstang, 903-5 Los Angeles Trust & Savings Bldg., Los Angeles.
Bids will be taken separately on the general contract, plumbing, heating, electric wiring and painting.
The structure will house the City offices, council chamber, jail, police station and fire department.

Bids Ordered Called For.
OFFICE BLDG. Cost, $23,000
STOCKTON, San Joaquin Co., Cal. N side of Stockton channel near Eldorado Street.
Two-story office building.
Owner—City of Stockton, A. L. Banks, Clerk.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
A part or all of the structure will be occupied by the California Navigation Company.

BAKERSFIELD, Kern Co., Cal.—C. D. Brown, Bakersfield, at $1,490, awarded contract by City Council to construct a reinforced concrete comfort station in Jastro Park at 18th and Myrtle streets. Other bidders: P. L. Cummings, $1,850; Crease & Core, $2,260.

FRESNO, Fresno Co., Cal.—A committee headed by Dr. Herbert Collins petitions the County Supervisors to construct a dormitory at the county hospital for nurses and internes. A structure costing approximately $80,000 is recommended; funds to be provided in the budget.

RESIDENCES

Construction Postponed Until Next Year.
RESIDENCE Cost, $16,000
LODI, San Joaquin Co., Cal.
Two-story frame and stucco 8-room residence and separate garage.
Owner—Mrs. Jas. A. Anderson, Lodi.
Architect—Ralph Morrell, I. O. O. F. Bldg., Stockton.

Plans Completed.
RESIDENCE Cost, $14,000
SAN FRANCISCO. San Francis Wood.
Two-story frame and plastered residence.
Owner—Herman Mattern.
Architect—Louis M. Upton, 454 Montgomery St., San Francisco.
Figures will be taken as soon as the present labor condition is over.

To be Done by Day's Work.
DWELLINGS $3,000 to $3,500
OAKLAND, Alameda Co., Cal. NE and NW Modesto St. and Fleming Ave., etc.
Twelve one-story 5-room frame dwlgs.
Owner—Harry W. Isaacs, Syndicate Bldg., Oakland.
Architect—L. F. Hyde, 2745 26th St., Oakland.

Plans Being Figured.
BUNGALOW Cost, $3000
NORTH BERKELEY. One-story frame bungalow (rustic exterior).
Owner—Miss Alma I. Galbraith.
Architect—W. T. Steilberg, Flatiron Bldg., San Francisco.
Day's work.

Contract Awarded.
ALTERATIONS, ETC. Cost, $6398
MENLO PARK, San Mateo Co., Cal.
Alterations and additions to frame residence.
Owner—Judge Shurtleff, Menlo Park, San Mateo Co., Cal.
Architect—A. A. Cantin, 68 Post St., San Francisco.
Contractor—Wieben Bros., Menlo Park.
Contracts for heating and painting not included in this figure, but will be let shortly.

Plans Being Prepared.
RES. AND GARAGE Cost, $7,000
MARYSVILLE, Yuba Co.
Frame residence of 7 rooms and garage.
Owner—Mrs. MacCauley, Marysville.
Architect—Carl I. Warnecke, 414 13th St., Oakland.

Plans Being Figured.
RESIDENCE Cost, $6,500
OAKLAND, Alameda Co. Lakeshore Highlands.
Two-story frame and stucco residence.
Owner—P. J. Bordenave, 6614 Tremont Ave., Piedmont.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Owner Taking Figures.
RESIDENCE Cost, $8,000
OAKLAND. Crocker Highlands.
Two-story frame and plastered residence.
Owner—G. W. Atkinson.
Architect — Schirmer - Bugbee Co., Thayer Bldg., Oakland.

Figures to be Taken Next Week.
RESIDENCE Cost, $12,000
OAKLAND, Alameda Co., Cal. Lakeshore Highlands.
Two-story and basement frame and stucco residence.
Owner—Withheld.
Architects—Schimer-Bugbee Company, Thayer Bldg., Oakland.

Contract Awarded.
BUNGALOWS Cost, $18,000
VALLEJO, Solano Co., Cal.
Four frame bungalows.
Owner—Mrs. Levee and Mr. Rosenberg, Vallejo.
Architect—Bernard J. Joseph, Call Bldg., San Francisco.
Contractor—W. Crosby, Vallejo.

Figures to be Taken Shortly.
RESIDENCE & GAR. Cost, $10,000
SAN FRANCISCO, Cal. 26th Ave.
Two-story and basement frame and plaster residence and garage.
Owner—E. A. Kenny.
Architect—H. C. Bauman, 251 Kearny St., San Francisco.

Plans Being Prepared.
BUNGALOWS, ETC. Cost, $——
FRESNO, Fresno Co., Cal. Block Bounded by Belmont Ave., Park Blvd., Harrison and Taft Aves.
Group of bungalows and hotel bungalow.
Owner—Motor Inns of Calif., Douglas L. Edmonds, Treasurer.
Architect—Not Given.

REEDLEY, Fresno Co., Cal. — The Fresno Building Corp., F. B. Billings and R. G. Meyering, managing directors, plans an expenditure of $25,000 in the construction of residences in this city, to be sold on the "easy payment plan." The buildings will cost from $2,500 to $8,000.

SCHOOLS

Plans Being Prepared.
GYM & AUDITORIUM Cost, $12,000
BOONEVILLE, Mendocino Co.
One-story frame gymnasium and auditorium.
Owner—Booneville High School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Commissioned to Prepare Plans.
SCHOOL BLDG. Cost, $25,000
SANTA ROSA, Sonoma Co.
One-story frame and stucco school with composition roof; 4 rooms and an auditorium.
Owner—Roseland School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Bonds have been sold.

Plans Being Prepared.
ALTERATIONS Cost, $75,000
HUNTINGTON PARK, Los Angeles.
Alterations & additions to gymnasium & administration bldg.
Owner—Huntington Park High School
Architect—Alfred W. Rea & Chas. E. Garstang, Trust & Savings Bldg., Los Angeles.

Plans Being Figured—Bids Close Aug. 24, 11 a. m.
CONSTRUCTION $——
SANTA ROSA, Sonoma Co., Calif.
Construction of 1-room frame school.
Owner—Wallace School District.
Architect—Wm. Herbert, City Hall, Santa Rosa, Calif.
Plans may be had from the architect on deposit of $5.

Preliminary Plans Being Prepared.
SCHOOL Cost $110,000
FILLMORE, Ventura Co., Cal.
Reinforced concrete eight-room school.
Owner — Fillmore Union Grammar School District.
Architect—Jeffery & Schaefer, 1106 Kerkhoff Bldg., Los Angeles.
A bond election will be called shortly by the trustees.

Contract Awarded.
SCHOOL BUILDING Cost, $13,275
LOS BANOS, Merced Co., Cal.
Constructing Domestic Science Building.
Owner—Los Banos High School District, S. B. Dismukes, Clerk, Los Banos, Cal.
Architect—Not given.
Contractor—M. M. Finlayson, Los Banos, Cal.
Only other bidder was Guy H. Wilson, Los Banos, Cal., $13,480.

Bids Rejected—New Bids to be Called.
GYMNASIUM Cost, $——
HAMILTON CITY, Glenn Co., Cal.
Construction of a gymnasium building.
Owner — Hamilton City Union High School Dist., A. M. Gelston, Clerk.
Architect—Not Given.
Two bids were submitted, both bidders of Chico, Calif.
White & Shalz.....$3,247
A. D. Kerr..... 3,893

STOCKTON, San Joaquin Co., Cal.—The following bids were received on August 16th by the Trustees of the Atlanta School District for the construction of a new addition to the present school building. Plans were prepared by Architect Charles H. Young, Commercial & Savings Bank Bldg., Stockton:

John Madsen, Stockton	$11,700
Ubel & Van Til, Ripon	11,900
W. G. Brown, Stockton	12,750

All bids rejected and new bids will be called for in two weeks.

BURLINGAME, San Mateo Co., Cal.—The following bids were received on August 17 by the Trustees of the Burlingame Grammar School District for the construction of a one-story frame and plaster 5-room school building to be known as the "Pershing School." Plans were prepared by Architect Ernest L. Norberg, Bankers' Investment Bldg., San Francisco. The following bids were received:

General Contract

L. Dioguardi	$21,834
(1) deduct $1929; (2) $1370; (3) $313	
C. H. Bessett Bldg., Co.	$24,785
(1) deduct $2347; (2) $690; (3) $668	
J. Pringle	$25,373
(1) deduct $2500; (2) $1400; (3) $675	
R. C. Stickle (awarded)	$21,660
(1) deduct $2185; (2) $1100; (3) $500	
Chas. Peterson	$24,240
(1) deduct $1676; (2) $1200; (3) $780	
P. F. Reilly	$24,850
(1) deduct $2100; (2) $1000; (3) $340	
Dowsett & Ruhl Co.	$24,370
(1) deduct $1828; (2) $828; (3) $447	
I. M. Sommer Co.	$24,711
(1) deduct $2670; (2) $1372; (3) $450	
R. Caldwell	$23,905
(1) deduct $1100; (2) $900; (3) $600	

Contract awarded to R. C. Stickle, South City.

Plumbing and Heating

	Prop.	1 Deduct
W. T. Hickey	$3114.79	$1624
Jos. Grimes	3229.00	1658
W. C. Palmountain	3771.00	1993
Harry Park (bids unsigned)		Voided
Frank J. Klimm	4283.00	1949
J. F. McGowan	3975.00	2125
A. Lettich	4025.00	2000

Above bids taken under advisement.

Painting

R. Zelinsky	$1858
A. Maklosky	1344
Frisk & Swanson	1238
A. Flook	2450

Above bids taken under advisement.

HOWARD AVENUE SCHOOL

Concrete Wall Coping Around Yard

C. H. Bessett Bldg. Co.	$1475
J. Pringle	1350
Nick Lisevich	1288

All the above bids were rejected.

Two Steel Fire Escapes

Rincon Iron Works	$1291
C. J. Hillard Co.	2070

Contract awarded to Rincon Iron Works.

SAN FRANCISCO.—The Supervisors adopt resolution authorizing an appropriation of $20,000 for the purchase of equipment for the Galileo High School in Van Ness Ave.

COLUSA, Colusa Co., Cal.—W. C. Blean, Colusa, at $1,300, awarded contract to erect temporary two-room (agricultural) building at the high school grounds. Only other bidder was A. E. Stewart of Colusa.

INGLEWOOD, Los Angeles Co., Cal.—W. M. Bell, Huntington Park, has been awarded the general contract at $19,282 for erecting a new school building in the Jefferson School District near Inglewood. G. A. Howard, Jr., 820 Story Building, Los Angeles, architect. The plumbing was awarded to Paul Macy at $1387.29; electrical work to Robertson Electric Co. at $267.50, heating to Pemberton Heating Co. at $900, and painting to E. H. Hanson at $1025.

SAN LORENZO, Alameda Co., Cal.—Graham & Van Dyke of Hayward have been awarded a contract by the Trustees of the San Lorenzo School District for painting the exterior of the school building. Contract price, $1,125.

FRESNO, Fresno Co., Cal.—Formation of a union high school district comprising the following districts is planned: Barstow, Biola, Teague, Roosevelt, Pershing and Houghton. After formation an election will be called to vote bonds to finance construction of a modern high school.

GRASS VALLEY, Nevada.—J. S. Clauson, Grass Valley, at $28.70 each, awarded contract by Board of Education to furnish and deliver 27 low-down closet combinations with never split seats, enameled cast iron tank and regular wash down bowl. Other bidders were: Grass Valley Hardware Co., $31.80 each; Alpha Hardware Co., Grass Valley, $29.98 each.

SANTA ROSA, Sonoma Co., Cal.—Roseland school recently destroyed by fire will be rebuilt. Roseland School District recently voted $18,000 in bonds to finance moving the old structure to new site and constructing addition. These funds, in addition to several other hundred dollars to be obtained through direct tax, will be used to finance construction of the new structure.

BAKERSFIELD, Kern Co., Cal.—J. H. Burnett Iron Works, Fresno, at $300, Saffell, 924 19th street, Bakersfield, to Saffell, 924 19th street, Bakersfield, to construct two iron stairways at Beardsley school. Other bidders were: Fair Mfg. Co., $300; Rincon Iron Works, $308.50; Sims & Gray, $598.00; all of San Francisco.

HOLLISTER, San Benito Co., Cal.—Until Aug. 31, 8 p. m., bids will be received by Jos. Boucher, Clerk, Hollister Grammar School District, (1) for constructing two toilet rooms, complete, including all plumbing work, electrical, finish fixtures, etc.; (2) state deduction allowed if toilets specified are changed to low down combinations as Plate W-1177, H. J. and C. Co.'s Cat.; (3) state additional price on constructing new partitions in heater room. Certified check 10% payable to clerk required with each bid. Specifications may be had from clerk.

FRESNO, Fresno Co., Cal.—Until Aug. 29, 5 p. m., bids will be received by L. L. Smith, Secretary, Board of Education, for constructing certain temporary school buildings and gymnasium building. Specifications may be had from the office of Trewhitt-Shields Co., 435 Rowell Bldg., Fresno.

HOLLISTER, San Benito Co., Cal.—Until Aug. 31, 8 p. m., bids will be received by Jos. Boucher, Clerk, Hollister Grammar School District, for furnishing and delivering furniture and furnishings for the new Hollister grammar school. Specifications may be had from clerk.

REEDLEY, Fresno Co., Cal.—Until Aug. 26, 8 p. m., bids will be received by Marion Duncan, Clerk, Reedley Joint Union High School District, for Joint Union High School District, for lockers. Specifications of lockers to be furnished must accompany bid.

SEATTLE, Wash.—City School District No. 1, Reuben W. Jones Secretary, will receive bids until Aug. 25 for one story brick and frame 8-room addition to Nesbit Queen Anne school at Aloha Street and First Avenue West. Estimated cost, $68,000. F. A. Naramore, City School Architect.

STORES AND OFFICES

Plans Being Prepared.
AUTO SALES BLDG. $40,000
LONG BEACH, Los Angeles Co., Cal.
American Avenue S of Anaheim St.
One-story brick or concrete auto sales building, 150x100.
Owner — Spencer Kennelly, 1615 E. Anaheim St., Long Beach.
Architect—Not Given.

Plans Completed.
STORE BLDG. $——
SAN FRANCISCO, N. Mission near New Montgomery.
One-story and mezzanine reinforced concrete store building 20x80.
Owner—Sullivan Estate.
Architect—Leo J. Devlin, Pacific Bldg.
Figures will not be taken until the present labor condition is settled.
The excavating is being done by the Carlin Grading Co., 180 Jessie St.

Plans Being Figured.
STORE BUILDING Cost, $9000
SAN FRANCISCO. Howard St., bet. 3d and 4th Sts.
One-story and basement frame store building (2 stores).
Owner—Withheld.
Architect—O'Brien Bros., 240 Montgomery St.
Figures are being taken for a general contract.

SELMA, Fresno Co., Cal.—H. J. Wells, Selma rancher, has purchased property at McCall and High streets and plans erection of two-story brick store and office building.

PORTLAND, Ore.—Oscar Wayman, Worcester Bldg., Portland, at approximately $42,000, awarded contract to erect 2-story, 125x95, salesroom building at Ninth and Oak streets for J. T. Barren, from plans of Architects Houghtaling & Dougan, Portland.

SANTA ROSA, Sonoma Co., Cal.—If a suitable tenant can be found, a two-story fireproof building, 40x120 ft. will be erected in Hinton avenue, adjoining the City Hall, according to John Greeott and E. Strobino, who recently purchased the property.

SAN LUIS OBISPO, Cal. Following bids were received by C. F. Boesinger, 209 Brizzolara St., for constructing the Gibson building in San Luis Obispo: (1) In accordance with plans; substituting reinforced concrete for structural steel shown in floor details and sectional elevations and according to reinforced concrete floor plan; (2) substituting reinforced concrete in place of brick, and as specified in steel work and cement work of basement and general specifications.

McLeran & Peterson, San Francisco
(1) no bid; (2) $36,900.
Magnus Johnson
(1) $48,730; (2) $52,000.
Heaton & Bacher (excluding excavation) (2) $33,000.
Bids taken under advisement.

THEATRES

Contract Awarded
ALTERATIONS, ADDITIONS, ETC.
1866 46TH AV., Oakland, Alameda Co.
Alterations and additions, including heating and ventilating plant, electrical work and a new organ.
Owner—Fremont Theatre, Albert Port, Oakland.
Architect—None.
Contractor—McLaren Co., Hearst Bldg., San Francisco $40,000

Official Proposals

QUAY WALL BIDS WANTED

BUREAU OF YARDS AND DOCKS, Navy Department, Washington, —Bids are wanted until September 7, specifications 4484, for constructing quay wall at the naval station, San Diego, Calif., deposit for plans $10. Address the chief of bureau.

BIDS WANTED FOR STEEL WORK

BUREAU OF YARDS AND DOCKS, Navy Department, Washington—Bids are wanted until September 21, specification 4464, for steel work machine shop at Pearl Harbor, H. T. Deposit for plans $10. For information address chief of bureau.

METAL SHELVING BIDS WANTED

OFFICE OF THE SUPERVISING Architect, Treasury Department, Washington.—Bids are wanted until September 26 for installing metal vault shelving in the U. S. public building, Honolulu, H. T.

BIDS WANTED FOR ELEVATOR ENCLOSURE

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 5, 1921.—SEALED PROPOSALS will be received in this office **until 3 P. M., August 30, 1921,** and then opened for the construction of Elevator Enclosure, Wire Mesh Partitions, stairs to closet, etc., at the United States New Post Office, Portland, Oregon, in accordance with the specifications and drawings, copies of which may be obtained at this office or at the Office of the Custodian, Portland, Oregon, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR ELECTRIC FREIGHT ELEVATOR

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 5, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., August 30, 1921, for the installation complete of one electric freight elevator in the United States New Post Office at Portland, Oregon, in accordance with drawings and specifications, copies of which may be had at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TO CALL BIDS FOR STEEL SUPERSTRUCTURE

NOTICE TO CONTRACTORS

Proposals will be opened in the near future on Specification No. 4464 for erection of steel superstructure for new machine shop, Naval Station, Pearl Harbor, T. H.

The work covers the erection of the steel work for the new machine shop which will be rectangular in shape, 1 story high, 181 ft. 3½ in. wide, and 520 ft. long, measured between column center lines. Bottom chords of main trusses will be approximately 50 ft. above main column bases. All structural steel will be furnished by the Government.

Plans and specifications will be available for distribution shortly and will be forwarded when available upon the receipt of check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, as security for their safe return.

R. L. MARTIN,
Lieut. Comdr. (CEC) U. S. Navy.
By direction, Public Works Officer

TO CALL BIDS FOR RIPRAPPING

NOTICE TO CONTRACTORS

The Bureau of Yards and Docks will shortly open proposals on Specification No. 4390 for riprapping Dike No. 12 at the Mare Island Navy Yard.

The work includes the excavation of approximately 100,000 cu. yds. of rock at the southerly end of Mare Island, and the depositing thereof outside of Dike No. 12.

Plans and specifications may be had when available upon depositing check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, as security for their safe return.

By direction, Public Works Officer.
R. L. MARTIN,
Lieut. Comdr. (CEC) U. S. Navy,

BIDS WANTED FOR ALTERATIONS TO POST OFFICE BUILDING

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 23, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., August 29, 1921, for alterations to the United States Post Office Building at Eugene, Oregon. Drawings and specifications may be obtained from the Custodian at Eugene, Oregon, or at this Office in the discretion of the Suprevising Architect. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento., Cal., until 2 o'clock P. M., on August 29th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Marin and Sonoma Counties, between Ignacio and Fairville (IV-Mrn-Son-8-A), about 9.5 miles in length, to be paved either with Portland cement concrete or asphaltic concrete.

Santa Barbara County, between San Jose Creek and Stony Creek (V-SB-2-K), about 2.0 miles in length, to be paved with Portland cement concrete.

Los Angeles County, between Rancho El Encino and Shoup Avenue (VII-LA.-2-B), about 5.7 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract and specifications may be obtained at said offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated August 1, 1921.

BIDS WANTED FOR PAINTING COURTHOUSE

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors of the County of Colusa, State of California.

Pursuant to an order of the Board of Supervisors of the County of Colusa, State of California, made and entered on record on the 2nd day of August, 1921.

Notice is hereby given that sealed bids will be received up to and not later than the hour of **2 o'clock p. m. of the 24th day of August, 1921,** at the office of the Clerk of the Board of Supervisors, in the Hall of Records, in the town of Colusa, County of Colusa, for furnishing of all labor, materials and mechanical workmanship necessary for painting in connection with alterations to Colusa County Courthouse, in accordance with the plans and specifications prepared therefor by J. S. Gould, and adopted by the Board of Supervisors of the County of Colusa, which plans and specifications may be seen and examined at the office of Clerk of the Board.

All bids must be marked For Painting in Connection With the Alterations of the Colusa County Courthouse, and must be accompanied by a certified check on some solvent bank in a sum equal to 10 per cent of the amount of each bid, conditioned that if the contract is awarded, the party submitting the accepted bid will enter into a contract and furnish such bond as may be required within ten days after making award or, failing so to do, the amount of such check will be forfeited as liquidated damages for such failure. All checks must be made payable to the Chairman of the Board of Supervisors.

The right is hereby reserved to reject any and all bids.

By order of the Board of Supervisors of Colusa County, Cal.

C. J. WESCOTT,
Chairman of Said Board.
Attest: T. D. CAIN,
Clerk of Said Board.

BIDS WANTED FOR SERVICE BUILDING

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received and opened by the Hospital Central Committee for the Counties of Amador, Colusa, Contra Costa, El Dorado, Placer, Plumas, Sacramento, Sutter, Tuolumne, Yolo and Yuba, State of California, **up to 1 o'clock P. M., on the 30th day of August,** at the Supervisors' Room, Courthouse, at Sacramento, Sacramento County, California, for the erection and completion of a concrete and frame service building with alternate for tile in accordance with plans and specifications for the same by W. H. Weeks, the authorized architect employed by the Hospital Central Committee.

Bids will be received on the work as a whole.

Plans and specifications can be secured from the office of the architect W. H. Weeks, 75 Post St., San Francisco, California.

A deposit of Ten ($10.00) Dollars cash will be required on all plans

loaned out, as a guarantee of good faith.

All bids must be made out on blank forms furnished by the architect and must be accompanied by a certified check for not less than five (5%) per cent of the amount bid, made payable to R. E. Callahan, Chairman of the Hospital Central Committee, and certified to by some responsible banking house. This check is to be forfeited in the event that the successful bidder after having been awarded the contract, fails within ten days to sign the contract and furnish a good and sufficient bond as required by law.

The Committee reserves the right to reject any and all bids.

Dated at Sacramento, August 4, 1921.

HOSPITAL CENTRAL COMMITTEE.
By Robert E. Callahan, Chairman.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 6th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Tuolumne County, Between Westerly Boundary and one mile north of Keystone (III-Tuo-13-A), about 9.4 miles in length, to be paved with Portland cement concrete.

Tuolumne County, Between Jamestown and Sonora (III-Tuo-13-B), about 2.5 miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated August 8, 1921.

BIDS WANTED FOR ALTERATIONS TO COURTHOUSE

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors of the County of Colusa, State of California.

Pursuant to an order of the Board of Supervisors of the County of Colusa, State of California, made and entered on record on the 2nd day of August, 1921.

Notice is hereby given that sealed bids will be received up to and not later than the hour of **2 o'clock p. m. of the 24th day of August, 1921,** at the office of the Clerk of the Board of Supervisors, in the Hall of Records, in the town of Colusa, County of Colusa, for furnishing of all labor, materials and mechanical workmanship necessary for addition, all work in connection with alterations to Colusa County Courthouse, in accordance with the plans and specifications prepared therefor by J. S. Gould and adopted by the Board of Supervisors of the County of Colusa, which plans and specifications may be seen and examined at the office of the Clerk of the Board.

All bids must be marked For Additional Work in Connection with the Alterations of the Colusa County Courthouse, and must be accompanied by a certified check on some solvent bank in a sum equal to 10 per cent of the amount of each bid, conditioned that if the contract is awarded, the party submitting the accepted bid will enter into a contract and furnish such bond as may be required within ten days after making award or, failing so to do, the amount of such check will be forfeited as liquidated damages for such failure. All checks must be made payable to the Chairman of the Board of Supervisors.

The right is hereby reserved to reject any and all bids.

By order of the Board of Supervisors of Colusa County, Cal.

C. J. WESCOTT,
Chairman of Said Board.
Attest: T. D. CAIN,
Clerk of Said Board.

BIDS WANTED FOR SCHOOL BUILDING

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Woods School District, Woodbridge, California, at the office of said Board at the School House of said District, located in the town of Woodbridge, County of San Joaquin, State of California, **until 3 o'clock P. M., Saturday, August 27, 1921,** for the erection of a school building to be built in Woodbridge, California, according to plans and specifications prepared for the same by the George C. Sellon and Company, the authorized architects.

Plans and specifications can be seen at the residence of the Clerk of said Board of Trustees, at Woodbridge, California, and may be seen at or obtained from the office of the Architects, 202 Mitau Building, Sacramento, California. A cash deposit of $25.00 will be required from all prospective bidders on all copies of plans and specifications loaned out, as a guarantee of the same being returned.

All shall be presented on blank forms which may be procured at the office of architects. Each bid must be accompanied by a certified check on some responsible California bank for a sum of not less than ten per centum (10%) of the amount of the bid, made payable to Geo. M. Bancróft, Clerk of the Board of Trustees, as a guarantee of good faith that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for faithful performance of said work, and in case the bidder to whom the contract is awarded fails or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said school District in the manner provided by law. Each bid must be enclosed in a sealed envelope and addressed to Geo. M. Bancroft, Clerk of the Board of Trustees of Woods School District, Woodbridge, California, and endorsed "Proposal for building school."

The Board of Trustees expressly reserve the right to reject any or all bids.

By order of the Board of Trustees of Woods School District, Woodbridge, San Joaquin County, California.

Dated August 3, 1921.

Signed: GEO. M. BANCROFT,
Signed: MARTHA D. GARRISON,
Signed: L. T. MASON,
Trustees.

NOTICE TO CONTRACTORS

Brick & Concrete School, Cost, $150,000

NOTICE IS HEREBY GIVEN that sealed bids will be received and opened by the Board of Trustees of the Napa School District, Napa County, California, **up to 8 P. M. o'clock, on the 15th day of September, 1921,** for the erection and completion of a concrete and brick school building to be known as the John L. Shearer Grammar School, in the City of Napa, Napa County, California, all in accordance with plans and specifications made for the same by W. H. Weeks, the authorized architect employed by the Board.

Bids will be received as follows:

(1) The General Contract, together with alternate propositions.

(2) The Heating System.

Plans and specifications can be seen at the office of the Clerk of the Board in Napa, between the hours of 9 A. M. and 3 P. M. of any day, except Saturdays, Sundays and holidays, or at the office of the Architect, W. H. Weeks, 75 Post Street, San Francisco, California, during business hours.

On a deposit of Twenty ($20.00) Dollars complete sets of said plans and specifications may be had by any prospective bidder. If not returned by the time bids are received or if mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made on proposal blanks obtained at the office of the Architect and to be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank and made payable to Howard E. Roper, Clerk of the Board of Trustees of the Napa School District, to be retained by said School District as liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into contract after the award, or to give bonds required for the faithful performance of the contract or any bond required by law.

The Board reserves the right to reject any and all bids.

Address bids to Howard E. Roper, Napa, California, Clerk of the Board.

HIGH SCHOOL MACHINERY BIDS WANTED

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that the High School Board of Education of the Sacramento City High School District will receive sealed bids for machinery for the machine shops at the Sacramento High and Part Time Schools as follows:

2 20-inch back geared upright drill presses, with 8 speeds, power, wheel and lever feeds, automatic stop and spindle-bored to fit No. 4 Morse taper; diameter of spindle 1¼ inch; size of tight and loose pulley 8x2¾ inches.

2 16-inch swing, 8 ft. bed, screw cutting lathes, fitted with semi-quick change, self-ejecting tail stock center, automatic cross and longitudinal feeds, operated from front of apron, each fitted with 10½-inch universal geared scroll chuck, with two sets of jaws, 12-inch independent chuck, with 4 independent, reversible jaws, large and small face plate, compound rest, 2 steel centers, center rest, adjustable stop for screws cutting, gear guards and wrenches.

2 Bench grinders with columns and with tight and loose pulleys 3x3 inches with 1¼ inch arbor, and 2 grinding wheels, 10x1¼ inches.

The bidders to furnish specifications on the machines bid upon, and delivery to be made as directed.

Prices to be: Delivered in Sacramento, as directed.

A certified check in the sum of ten per cent (10%) of the amount of the bid must accompany bid, which will be forfeited to the Board if the bidder fails to comply with the bid, if required to do so by the Board.

The High School Board of Education reserves the right to accept any and all bids in whole or in part, and to reject any and all bids.

All bids must be filed with the Secretary of the High School Board of Education, Room 250, City Hall not later than 7:30 P. M., Monday, August 22, 1921.

CHAS. C. HUGHES,
Secretary High School Board of Education, Sacramento, California.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

YREKA, Stanislaus Co., Cal.—Miles Stuart, Montague, Cal., at $3765 was awarded contract by Supervisors to construct bridge over Hovenden slough. Other bidders, Geo. N. Saunders, $4950; C. L. Noel, $4321; H. J. Sarter, County Engineer.

YUBA CITY, Sutter Co., Cal.—Jenkins & Elton, 36th and Y Sts., Sacramento, at $1575 awarded contract by Supervisors for flooring the Mawson bridge. Unit bid: Lay flooring and install wheel guards, $18 per M ft.; replacing stringers, $24 per M. The bid of A. Capito of Meridian was $19.86 for laying the flooring; $27.61 for the wheel guard and $58.70 for replacing stringers. The lumber for this work will be furnished by the Diamond Match Co. at $30 per M ft. Edw. Von Geldern, County Engineer.

YREKA, Siskiyou Co., Cal.—Following bids received and rejected by the Supervisors for constructing Goodale bridge across Scott River below Fort Jones: P. L. Burr, $38,368; Geo. H. Wilson, $25,974; Miles Stewart, $18,700; C. L. Noel, $18,800. The bids were considered too high. H. J. Sarter, County Engineer.

FULLERTON, Orange Co., Cal. — Mercereau Bridge & Const. Co. was awarded contract at $6950 for constructing a 40-ft. concrete bridge on Highland Ave. Other bids were C. McNeill, $7040; W. M. Ledbetter Co., $7390; H. M. Hanawalt, $7950; Moore, White & Carey, $7775; E. L. Garretson & Son, $8700; C. E. Frisbie, $9985; Wattson & Hunter, $11,490; Jos. L. Frazer, $12,671.65.

PORTERVILLE, Tulare Co., Cal. — C. R. Gundy, Porterville, at $1171 was awarded contract by Trustees to construct wood bridge over Porter's slough in Putnam Ave.

RIVERSIDE, Cal.—Riverside County will spend $10,000 in flood control work on the Santa Ana River. Orange and San Bernardino Counties are expected to expend similar amounts.

REDONDO, Los Angeles Co., Cal. — Until 8 p. m., Aug. 15, bids will be received by the City Clerk for constructing a boat landing at the municipal wharf. L. B. Pemberton, Redondo, architect. Certified check for $100 required. Harry Polglase, City Clerk.

EL CENTRO, Imperial Co., Cal.—The Board of Supervisors is considering the building of three bridges along the Valley-Indio highway.

SAN LUIS OBISPO, Cal.—West Coast Const. Co., 519 California St., San Francisco, awarded contract at $35,880 for constructing a reinforced concrete bridge 420 ft. long over Estrella River, 20 miles from San Miguel. Other bids were W. M. Ledbetter, $36,240; R. McLeran & Co., $36,499; Clinton Const. Co., $38,360; Pacific Const. Co., $39,968; G. Appleton, $42,000. Warren Burch, County Engineer.

FRESNO, Fresno Co., Cal.—Supervisors will shortly call bids for reflooring the Laton bridge; work to be financed jointly by Kings and Fresno counties. Chris. P. Jensen, County Road Engineer.

SANTA ANA, Orange Co., Cal.—Mercereau Bridge & Construction Co., P. E. Bldg., Los Angeles, awarded contract at $27,050 for constructing a concrete bridge over the Santa Ana river at 17th street. Frank Hudson withdrew his bid of $24,832.

SACRAMENTO, Cal.—City Engineer Albert Givan will recommend an expenditure of $10,000 for levee repairs.

FRESNO, Fresno Co., Cal.—Until September 6 bids will be received by D. M. Barnwell, County Clerk, for constructing reinforced concrete bridge in Clovis ave., crossing the irrigation canal above Las Palmas vineyard. Chris P. Jensen, county surveyor.

OROVILLE, Butte Co., Cal.—H. H. Hume, county engineer, instructed to proceed by day labor with the construction of three bridges; one on Ord Ferry road, another on Durham road and another on Stirling road; construct culverts, 1 to 7 inclu., on Neal road and to repair bridges (on each road) on the following: Gridley-Colusa; Oroville-Bangor; Chico; Pentz-Durham; East Biggs road, and two bridges on Biggs-Princeton road.

OROVILLE, Butte Co., Cal.—Until Sept. 6 bids will be received by C. F. Belding, County Clerk, for constructing Wyman's Ravine bridge and three brick culverts on the Oroville-Palermo road. H. H. Hume, county engineer.

REDDING, Shasta Co., Cal.—Until Sept. 7, 10 a. m., bids will be received by S. N. Witherow, County Clerk, for fills at each end of bridge across Cow Creek near Millville at the old Ross' mill site. Certified check 10% payable to county required. Plans may be had from County Surveyor C. R. Wiegel.

OLYMPIA, Wash.—Until Aug. 30 bids will be received by State Highway Commission for construction of a steel bridge over the Cowlitz river at Kelso and a steel bridge across the Bear river on the Ocean Beach highway in Pacific county.

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NAPA, Napa Co., Cal.—Until Sept. 6, bids will be received by the Supervisors, Jas. A. Daly, County Clerk, for constructing concrete culverts in Dry Creek road near Enterprise School. Edw. P. Ball, County Engineer.

REDWOOD CITY, San Mateo Co., Cal. —Until Sept. 6, 10 a. m., bids will be received by Elizabeth M. Nash, county clerk, for constructing concrete box culvert across Cordillerous creek on Canyada road in 2nd road district. Geo. Kneese, County Engineer. Specifications on file in office of clerk.

SANTA ROSA, Sonoma Co., Cal.—The Call Construction Co., Santa Rosa, at $1,785 have been awarded a contract by the Supervisors to construct reinforced concrete bridge ¼ of a mile east of Forestville on the Forestville-Guerneville road; also awarded a contract for two timber truss bridges on Camp Meeker-Monte Rio road at $3,385. R. Press Smith, County Engineer.

OLYMPIA, Wash.—Until Aug. 30, 10 a. m., bids will be received by State Highway Commission for constructing steel bridge over the Cowlitz River at Kelso and grading approaches on the Ocean Beach Highway in Cowlitz County.

Separate bids will be received on same date for constructing steel bridge and approaches across the Bear River on the Ocean Beach Highway in Pacific County.

SEATTLE, Wash.—Union Bridge Co., Central Bldg., Seattle, completing plans for proposed steel toll bridge to be built by Inter-County Bridge Co. across the Columbia River between Pasco and Kennewick; estimated cost $400,000. Plans are yet to be approved by State Highway Commission. Inter-County Bridge Co., headed by Chas. G. Huber, president of the Union Bridge Co.

SONORA, Tuolumne Co., Cal.—Until August 22, 10 A. M., bids will be received by the County Supervisors for constructing a wood bridge over the south fork of Stanislaus river at Italian Bar. Robert Thom, County Engineer.

SAN DIEGO, Cal.—Until 2:30 P. M., August 29, bids will be received by the Supervisors of San Diego County for constructing two reinforced concrete bridges, one over La Posta creek, and the other over Kitchen creek on the State highway. Plans and specifications may be obtained at the office of the Board on deposit of $5. J. B. McLees, County Clerk.

FRESNO, Fresno Co., Cal.—F. C. S. McDaniels and S. L. Enloe awarded contracts by supervisors for repairing three Kings River bridges in the Centerville district. The bid is $4,998; estimate of County Engineer Chris. P. Jensen, $5,010. Jap. E. Mitchell submitted the only other bid.

PORTLAND, Ore.—Until August 24, 10:30 a. m., bids will be received by Multnomah County Commissioners for repairing approach to Hawthorne bridge, involving 16,450 lineal feet fir piling, 475,492 feet B. M. lumber and 3,533 yards 2-inch asphaltic concrete pavement with 1-inch binder course.

IRRIGATION PROJECTS

OAKDALE, Stanislaus Co., Cal.—The Oakdale and South San Joaquin irrigation districts plan to build about 10 miles of new canal, work to be started by January 1, 1923.

LIGHTING SYSTEMS

LONG BEACH, Cal.—City Council has ordered installation of an ornamental lighting system on Anaheim Blvd. between Temple and Loma Aves.

BURBANK, Los Angeles Co., Cal.—Petitions are being circulated for ornamental lighting system on Olive avenue from San Fernando boulevard to 11th street.

MACHINERY

BERKELEY, Alameda Co., Cal.—Council, E. M. Hann, City Clerk, appropriates $5,000 to purchase 4-ton auto truck with body and hoist for use of the Department of Public Works.

LOS ANGELES, Cal.—Until 10 a. m., Aug. 15, bids will be received by Board of Public Works for one road grader and for one tractor. Specifications may be obtained at office of city engineer, room 405 south City Hall Annex. Horace B. Ferris, Secretary.

REEDLEY, Fresno Co., Cal.—Until Aug. 20, 2 p. m., bids will be received by M. M. Chamberlain, Clerk, Great Western Union School District, for furnishing and delivering two school busses with a carryink capacity of 30 students.

SAN ANDREAS, Calaveras Co., Cal.—Schrader Iron Works, Inc., 1247 Harrison St., at $480 awarded contract by Supervisors for furnishing and delivering f. o. b. Valley Spring, Cal., steel for reconstructing bridge across San Antone Creek bet. town of Murphys and town of Sheep Ranch. Material required: 4 15-in. I-beams, weight 42 lbs. per ft., 43 ft. long; 2 15-in. channels, weight 33 lbs. per ft., 43 ft. long. Other bidders were Pacific Rolling Mill Co., 17th and Mississippi Sts., San Francisco, $557; Palm Iron & Bridge Works, 15th and R Sts., Sacramento, $638.28; Schrader Iron Works, Inc., 1247 Harrison St., San Francisco, $480; Kyle & Co., Call Bldg., San Francisco, $532. A bid submitted by San Francisco Steel Products Co. was not considered, not being in accordance with "Notice to Bidders."

FRESNO, Fresno Co., Cal. — Chas. Dillon, City Finance Commissioner, is securing prices on 25 fire hydrants to be installed in various sections of the city. These in addition to those recently purchased. About 200 hydrants in all will be installed.

RIO VISTA, Solano Co., Cal.—Until Sept. 8, 8 p. m., bids will be received by F. J. Kalber, town clerk, for the purchase of two 50,000-gallon redwood water tanks and towers for same. Permission to inspect material may be had from clerk. Tanks will be sold to highest bidder.

LOS ANGELES, Cal.—The following bids were received by Board of Public Works for a tractor: Clark & Leonard, $767.10 for new tractor, $704.60 for tractor slightly used; Benj. F. Finch, $770.10 for Fordson tractor; G. A. Huffaker, $740.10.

The following bids were received for furnishing one road grader: Austin Western Road Machinery Co., $640 reversible grader with offset hitch, $100 to be deducted if offset hitch is omitted; The Brown-Bevis Co., $656, f. o. b. Van Nuys dist.; The Good Roads Machinery Co., $425 (affidavit of non-collusion not attached to bid).

SAN JOSE, Santa Clara Co., Cal.—Following low bids received by Supervisors, Irving J. Ryder, county engineer, for furnishing machinery:

For 1 or more 3½-4-ton truck, having 7-speed compound transmission, gross capacity 9000 lbs.; frame, pressed steel, channel 8 in. deep, 5/16 in. thick, 3-in. flange, bumper of 6-in. channel steel built integral with frame, hot-riveted throughout.

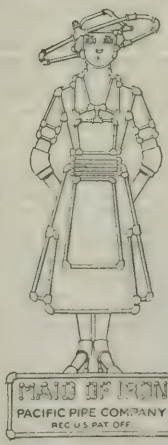
Engineering Products Co., Rialto Bldg., San Francisco, $4,250 with $975 for extras. Next low bidder: Arcana & Goffroy, San Jose, $5,297.

For 1 lathe known as a Mueller 18-in. by 12-in. bed, standard 3-step cone, double back geared, quick change screw-cutting engine lathe, complete with counter shaft and regular equipment: Berry Machinery Co., San Francisco, $1,050.

For a 4-ton trailer of the reversible type, having a steel frame, the main members of which shall be of 6-in. channel or I beam construction; the springs shall be 3½ in. wide, axles shall be drop forged steel, etc.: Edward M. Eisebstein Co., San Francisco, $1,100.

For a 10 E. Foote wheel paving mixer, having a capacity of 11½ cu. ft. wet mixed concrete, with 2-speed reversible traction, hand-steering wheel, traction brake, combination end loading skip, automatic water tank, operating platform and 15-ft. gravity distributing chute, two bids: Edward R. Bacon, San Francisco, $4,725; Lansing Co., San Francisco, $2,575.

All bids taken under advisement.



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RIVERSIDE, Cal.—C. L. McFarland, Water Superintendent, has been asked by council for estimate of cost of laying a pipe line about 2200 feet long, 18 inches diameter, from terminus of Colton avenue line to electric light department property.

LOS ANGELES, Cal.—Until 3 p. m., Aug. 30, bids will be received by Board of Public Service, 207 South Broadway, for electric meters and instrument transformers, Specification No. P-238. Jas. P. Vroman, Secretary.

OAKLAND, Cal.—Until Aug. 25, 12 noon, bids will be received by Eugene K. Sturgis, City Clerk, for furnishing and delivering steel discharge pipe to Department of Public Works. Certified check 10% required with each bid. Specifications on file in office of clerk.

SAN FRANCISCO.—Until Aug. 29, 2 p. m., bids will be received by J. Dunnigan, Clerk of Board of Supervisors, for furnishing lumber and mill work, street and sewer materials required by the city for the months of September and October, 1921. Forms for bidding may be had from the clerk, second floor, City Hall.

OAKLAND, Cal.—Until Aug. 25, 12 noon, bids will be received by Eugene K. Sturgis, City Clerk, for furnishing and delivering approximately 990 lin. ft. submarine power cable for Department of Public Works. Certified check 10% required with each bid. Specification on file in office of clerk.

TUCSON, Ariz.—Wise & Pistor of Tucson awarded contract for drilling three wells each 500 feet deep for city at $5 per foot for 20-inch casing. Crane Co. of Los Angeles was awarded contract at $57.50 each for 35 fire hydrants. San Francisco Steel Products Co. will furnish the well casing, $2.31 foot for 16-inch, and $3.02 for 20-inch casing.

LOS ANGELES, Cal.—Until 3 p. m., Aug. 30, bids will be received by Board of Public Service, 207 Broadway, for steel water pipe; Specification No. 576. Jas. P. Vroman, Secretary.

LOS ANGELES, Cal.—Until 3 p. m., Sept. 2, bids will be received by Board of Public Service for feeder regulators; Specification No. P-237. Jas. P. Vroman, Secretary.

OAKLAND, Cal.—Supervisors award contract to W. K. Nottingham for furnishing and installing kitchen equipment at the county infirmary. The accepted bid is $10,488.

RAILROADS

PITTSBURG, Contra Costa Co., Cal.—Hutchinson Co., 444 17th St., Oakland, have been awarded a contract by the Santa Fe Railroad to construct spur track around east side of city limits and into the city by way of Second street.

FIRE EQUIPMENT

SAN LUIS OBISPO, Cal.—Until Aug. 29, 7:30 p. m., bids will be received by Callie M. John, City Clerk, for furnishing and delivering 500 feet of 2½-in. double jacket fire hose, in 50-foot lengths; must stand pressure of 400 lbs. to square inch. Certified check 10% payable to Mayor required. Specifications on file in office of Clerk.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SAN DIEGO, Cal. — Geo. H. Oswald submitted the lowest bid at $14,483.30 for grading and paving portion of Highland Ave. bet. National City and Chula Vista comprising 3334 lin. ft. 5-in. 1:2:4 concrete 18 ft. wide, unsurfaced.

VISALIA, Tlnare Co., Cal.—The City Trustees, Ida Markham, Clerk, pass resolution of intention to improve portions of N. Court, NE. 3rd Ave., NW. 3rd Ave. and N. West St. by grading, paving with 4-in. asphaltic concrete base with a 1½-in. Topeka asphalt wearing surface, hydraulic concrete combination curbs and gutters, corrugated iron culverts, etc. Imp. Act 1911.

Resolution of intention also passed for improving portions of E. Mineral King Ave. by grading, paving with 4-in. asphaltic concrete base with a 1½-in. Topeka wearing surface, hydraulic concrete combination curbs and gutters, catchbasins, etc. Imp. Act 1911. Protests will be heard Aug. 15.

EAST SAN DIEGO, Cal. — Until 8 p. m., September 1, bids will be received by Wilbur W. Easton, City Clerk, for constructing a municipal lateral sewer system requiring 29.11 miles of sewer. Plans may be obtained from E. Paul Ford, City Engineer. Certified check or bond for 10% required. The approximate quantities of the work to be done are as follows: 92,689 ft. 6-in. vitrified clay pipe sewer; 60,343 ft. 8-in. cement pipe sewer; 541 ft. 6-in. and 132 ft. 8-in. cast iron pipe sewer; 6550 6-in. Y branches; 4257 8-in. Y branches; 45 cu. yds. concrete in piers to support cast iron pipe; 443 concrete manholes; 53 concrete flush tanks.

SAN BERNARDINO, Cal.—E. Loubet, Chino, awarded contract at 17.5c sq. ft. for 105,600 sq. ft. macadam paving, 5⅝ in. crushed stone with ⅜ in. oil and rock screenings surface 16 ft. wide in Philadelphia St. bet. East End Ave. and 6600 ft. east, at Chino. Loubet also submitted a bid at 14.5c sq. ft. for similar work which was to be paid for by San Bernardino County, but the bid was rejected by the Board of Supervisors. Fleming Const. Co. submitted a bid at 18¼c sq. ft. on R. D. I. work and 16.5c sq. ft. for the county work, which were rejected.

RICHMOND, Contra Costa Co., Cal. —City Engineer H. D. Chapman is preparing plans for improving Second St. with a 5-in. asphaltic concrete pavement. The portion from the Santa Fe tracks to Ohio street is to have a roadway of 34 ft. and from Ohio to Cutting boulevard the width is to be 24 ft.

BERKELEY, Alameda Co., Cal.—City Council votes to widen Center street between Shattuck avenue and Grove street. Three feet will be taken from the sidewalks on each side. C. L. Huggins, City Engineer.

CALIFORNIA. — Henry J. Kaiser, Seattle and Oakland, awarded contract by State Highway Commission for constructing 10.4 miles of highway in Siskiyou County bet. Upton and the south boundary of county. Bids were as follows: Macadam, $200,829.50; reinforced concrete, $187,515.90; engineer's estimate, $150,255.50 and $146,517.80, respectively.

Kaiser also awarded contract to construct 15.97 miles of highway in Sonoma County bet. Cloverdale and Healdsburg. Bids as follows: Reinforced concrete $299,938; engineer's estimate, $297,527.

MARTINEZ, Contra Costa Co., Cal.—City Engineer W. S. Farley instructed to complete specifications for paving 2500 ft. of the Fairview road from the Shell Company's loading station to the city limits.

SALEM, Ore. — Following contracts awarded by State Highway Commission:

Douglas County—Oakland City Section of Pacific Highway, 0.5 miles of bituminous pavement. Rejection of bids reconsidered and award made to United Contracting Co. on adjusted bid of $12,078.

Lincoln County — Corvallis-Newport Highway, Chitwood - Toledo Section, 10.6 miles of grading. Awarded to H. Gerbish on bid of $83,413. This bid is on concrete pipe.

Linn County — Pacific Highway, Shedd-Halsey Section, 7.8 miles of paving. Awarded to A. D. Kern at $237,131 on type D pavement.

Wheeler County—John Day Highway, Cummings Hill-Fossil Section, 2.7 miles of grading and macadam. Awarded to D. F. Murphy at $35,132 for broken stone surfacing.

SOUTH SAN FRANCISCO, San Mateo Co., Cal. — Until August 15, 8 p. m., bids will be received by Daniel McSweeney, City Clerk, for improving alley in Block 102 from Spruce to Magnolia; alley in Block 95 from Magnolia 600 ft. westerly; alley in Block 117 from Maple to Spruce; alley in Block 119 from Maple to Spruce; alley in Block 99 from Spruce to Magnolia by grading and constructing steel wire mesh reinforced concrete pavement 4 in. thick. Imp. Act 1911. Certified check for 10% payable to city required. Geo. Kneese, City Engineer.

SANTA BARBARA, Cal. — Fairchild-Gilmore-Wilton Co. awarded contract for improving Arrellaga St. bet. Bath and Canal Sts. at 25.3c per sq. ft. for paving with 4-in. concrete base and 1½-in. asphaltic wearing surface, $1.25 per ft. for combined concrete curb and gutter; 60c per ft. cement curb; 25c sq. ft. concrete gutter; $1677 for storm drains and sewers complete.

Same firm also awarded contract for improving Milpas St. from Haley to Anapamu St. at 27c sq. ft. paving with 5-in. concrete base and 1½-in. asphaltic wearing surface, $1.25 per ft. combined concrete curb and gutter, 60c lin. ft. cement curb, 26c sq. ft. cement gutter, $1 lin. ft. stone curb, 25c lin. ft. for resetting stone curb, $400 for sewers.

Cook, Wyant & Moore awarded contract for improving Pedregosa St. bet. State and Bath Sts. at $940 for grading complete, $1.40 lin. ft. combined concrete curb and gutter, 75c lin. ft. cement curb, 30c sq. ft. cement gutter, 20c sq. ft. cement sidewalk, $754.70 storm drain, and $200 for rubble walls complete.

YUBA CITY, Sutter Co., Cal.—City Engineer Edw. Von Geldern completes specifications for paving in western section of city including extension of Bridge St., Cooper Ave., from railroad crossing north to Tahoe-Ukiah highway, streets in Cooper Tract north of the railroad, Shasta and Teegarden St. A concrete pavement will be laid.

SAN JOSE, Santa Clara Co., Cal. — Raisch Improvement Co., 46 Kearny St., San Francisco, awarded contract by Council for paving intersections of St. James St. at 7th and 8th Sts., and a portion of Colfax St. bet. 1st and Orchard Sts. at 24½c sq. ft. Wm. Popp, City Engineer.

SEATTLE, Wash.—The City Council plans to start construction of proposed 11,000-ft. tunnel to carry water from dam site to powerhouse at George Creek, a part of the Skagit project. Tunnel will be driven through solid granite, 23 ft. wide, concrete lined, and will cost about $2,000,000.

VALLEJO, Solano Co., Cal.—Engineer C. E. Grunsky, Mechanics Institute Bldg., San Francisco, commissioned by City Council to serve as consulting engineer for the Gordon Valley water project.

POMONA, Los Angeles Co., Cal. — City Engineer Froehde is preparing plans for a sewer system for the Kenoak district.

FULLERTON, Orange Co., Cal.—City Engineer's office has completed plans and specifications for water extensions under the $280,000 bond issue, involving laying 85,000 ft. mains requiring 1500 tons of cast iron pipe of which some 10,000 ft. will be 14-in., the balance smaller sizes; a 5 million gal. reinforced concrete reservoir 312x252 ft.; estimated to cost $62,000.

BAKERSFIELD, Kern Co., Cal. — Council orders construction of sidewalks, curbs and gutters in L St. bet. 26th and 27th and the paving of L St. bet. 15th and California Ave. R. H. Hubbard, City Engineer.

ORLAND, Glenn Co., Cal. — Warren Bros. Co., Rialto Bldg., San Francisco, at 25.4c submits low bid to trustees for street paving. Other bidders were Clark & Henery Const. Co., 28.87c; Chico Const. Co., 26.8c. The total cost of the work is in the neighborhood of $150,000. Bids taken under advisement.

BAKERSFIELD, Kern Co., Cal. — Weitzel & Larsen, Bakersfield, at $3439.18 awarded contract by council to construct sidewalks and curbs in California Ave. bet. F and M Sts. The Valley Const. Co., Bakersfield, bid $3522.75. Latter firm awarded contract for curbs and gutters in N. Baker St. at $638.75. Weitzel & Larsen bid $664.65. R. H. Hubbard, City Engineer.

MODESTO, Stanislaus Co., Cal.—The City Council, L. A. Love, Clerk, passes Resolution of Intention to improve:

Fifteenth St. from E to Burney; Burney between 15th and Jennie Sts., and D and Jennie Sts., from Burney to Water Sts., by grading and paving with a 2½-in. asphaltic concrete base with a 1½-in. Bitulithic wearing surface; constructing concrete curbs and gutters.

James St., from Spencer to Downey Ave., and Downey Ave. from James to H St., by grading, paving with a 2½-in. asphaltic concrete base with a 1½-in. Bitulithic wearing surface and constructing concrete curbs and gutters.

Alleyway bet. 15th and 16th Sts., from F to G Sts., by grading, paving with a cement concrete pavement 5-in. thick and constructing O. P. curbing. Improvement Act 1911. Protests will be heard September 14th. Geo. Freitas, City Engineer.

YUBA CITY, Sutter Co., Cal.—J. J. McHugh, Foxcroft Bldg., San Francisco, at $28,977.96 awarded contract by Supervisors for paving with oil macadam, 15 ft. wide, 5 in. thick, Terra Buena, Nuestro, Pease and Sanders units of county highway system; county to furnish rock, etc., costing $16,927.70. D. J. Murphy of Marysville, next low bidder. Coast Rock & Gravel Co., San Francisco, at $1.85 ($15,632.50) ton awarded contract for furnishing rock, E. B. & A. L. Stone Co. of San Francisco submitted bids ranging from $1.80 to $2.47½ per ton.

M. C. Hilliard, Sacramento, awarded contract for highway one half mile from Live Oak at north edge of Yuba City to point west connecting with Tahoe-Ukiah highway at $11,949, to be reinforced concrete, 15 ft. wide, 5 in. thick. Other bids, John Doyle, Marysville, $13,119; Federal Const. Co., $13,340.

Federal Const. Co., Call Bldg., San Francisco, awarded contract for paving B and C Sts., adjoining the Hall of Records and Courthouse; approximate contract price, $2100. Edw. Von Geldern, County Engineer.

PASADENA, Los Angeles Co., Cal.—R. N. Nikcevich, 652 N. Broadway, Los Angeles, lowest bidder at $148,000 for constructing a reinforced concrete sewer-carrying bridge across the Arroyo Seco and constructing 8-in. vitrified pipe sewers in San Rafael Ave., Nithsdale, San Miguel, La Loma, Lake View, San Remo and Laguna roads; 10-in. vitrified pipe sewers in San Miguel, Hermosa, Lagunita and Laguna roads and San Rafael Ave.; 12-in. vitrified pipe sewer in Laguna road; 14-in. vitrified pipe sewer in Arroyo Blvd.; together with brick flush tanks and manholes, retaining walls, water and sewer pipes, pavement, and electroliers. W. M. Ledbetter bid $36,000 for sewer and $115,600 for bridge; Clarence P. Day & J. C. Bannister bid $152,700. This bid submitted addenda offering a deduction of $9900 if using sand blast bridge finish in place of cement gun plaster and a further deduction of $3330 if contract is let providing payments as work progresses.

SAN LUIS OBISPO, Cal.—Until Sept. 7, 10 a. m., bids will be received by F. J. Rodrigues, County Clerk, for furnishing labor, stock, equipment and necessary labor and material for operation and maintenance for the loading and transportation of gravel or other road surfacing material required for the surfacing of Section C1 of the San Luis Obispo and Cambria Road, extending from a point 1.5 miles north from the town of Cayucos to a point 7.0 miles north. Certified check for 10% required with each bid. Warren Burch, County Engineer.

VENICE, Los Angeles Co., Cal.—The City Engineer has reported to the City Trustees that the Venice sewer system is entirely inadequate and recommend that a firm of engineers specializing in sewer construction be employed to make a study of conditions and recommend the proper method of disposing of sewage.

OLYMPIA, Wash. — S. A. Moceri, Thompson Bldg., Seattle, at $57,403 awarded contract by State Highway Commission for grading and paving 2 miles of Pacific Highway in Snohomish County.

SAN DIEGO, Cal. — Geo. H. Oswald submitted lowest bid at $14,483.30 for grading and paving portion of Highland Ave. bet. National City and Chula Vista comprising 3334 lin. ft. 5-in. 1:2:4 concrete 18 ft. wide, unsurfaced.

Riley & Peterson, $16,694, only other bidder. Taken under advisement. Geo. Butler, County Surveyor.

PHOENIX, Ariz.—Twohy Bros. were awarded a contract for improving McDowell Road at the following unit prices: 4391 sq. yds. paving at $2.95; 4391 sq. yds. grading at 30c; 4952 lin. ft. combined curb and gutter at $1.50; 194 ft. single curb at $1; 166 ft. single gutter at 90c; 31 ft. Valley gutter at $1.50; 23 ft. 12-in. concrete pipe at $1.60; 6 storm water manholes at $370 each; 8 gutter inlets at $20 each; 21 street signs at $5 each; $15 incidentals.

SAN LUIS OBISPO, Cal.—Supervisors pass resolution of intention to construct cement sidewalks 8 ft. 6 in. wide, 4 in. thick, and concrete curbs 6x9 in. by 16 in., including grading, etc., in Road District Improvement No. 1. Road Dist. Imp. Act 1907. Warren Burch, County Engineer.

SAN LUIS OBISPO, Cal. — Supervisors approve specifications for paving streets in Pizmo, a part of the county highway system. Warren Burch, County Engineer.

RICHMOND, Contra Costa Co., Cal.—H. H. Turley of Richmond is circulating petitions for presentation to the County Supervisors and Richmond City Council seeking the formation of a sanitary district to include the San Pablo Villa Tract in North Richmond and the territory between the north city limits of Richmond to Wildest Creek. H. D. Chapman, City Engineer.

SAN LUIS OBISPO, Cal. — County Engineer Warren Burch instructed to proceed by day labor with construction of Arroyo-Grande-Oceano road.

BAKERSFIELD, Kern Co., Cal.—The City Council has adopted plans and specifications for paving A, D, E and G Sts., and sewers in Blocks 237, 238 and 239. The district includes 18½ blocks of paving. R. H. Hubbard, City Engineer.

OROVILLE, Butte Co., Cal.—No bids received by Supervisors for completion of Section C, Paradise-Sterling City unit of county highway system, 6½ miles long, and the work will probably be done by day labor under supervision of County Engineer H. H. Hume.

SAN LUIS OBISPO, Cal.—Until Sept. 7, 10 a. m., bids will be received by F. J. Rodrigues, County Clerk, for furnishing and delivering 16,000 bbls. of Portland cement, County Highway Specifications No. 50. Warren Burch, County Engineer.

HUNTINGTON PARK, Cal. — The board of trustees will call a special election shortly to vote $75,000 bonds to complete the municipal water system and extend the mains.

GLENDALE, Los Angeles Co., Cal.—The city council will receive bids September 1 for constructing an extension of the sewer trunk line in Municipal Improvement District No. 3, in Verdugo canyon. Estimated cost, $31,296.57. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, engineers.

FRESNO, Fresno Co., Cal.—City commissioners, R. Y. St. George, clerk, pass resolution of intention to improve Roosevelt avenue from Belmont to Olive.

Echo avenue from Belmont to Olive and Elizabeth from Echo to Forthcamp; all by grading, constructing concrete curbs, gutters and sidewalks, corrugated and other culverts and paving with asphalt.

Poplar avenue from McKinley to Home avenue, by grading, constructing concrete curbs and sidewalks and piling. Improvement Act 1911.

Resolution of intention also passed to construct 6-inch vitrified clay pipe sewer in portions of Santa Clara avenue. Wm. Stranahan, Commissioner of Public Works.

SAN ANDREAS, Calaveras Co., Cal.—Henery E. Bosse, Railroad Flat, Cal., at $14,957.25 awarded contract by the Supervisors for grading 25,250 ft. of road known as Esperanza Grade bet. the Jesus Maria Creek and the town of Railroad Flat. Bids were taken for grading or graveling and for both grading and graveling. Bosse's bid was for grading only. Other bidders were Percy Hunt, Valley Spring, Cal., $21,871.76, excludes gravel; McCarty & Bonfiglio, Mokelumne Hill, Cal., $29,280 with gravel, $19,930 without gravel; Erickson & Petterson, San Francisco, Cal., $38,694 with gravel; J. Welsh, Oakland, Cal., $33,999.82 with gravel.

MARTINEZ, Contra Costa Co., Cal.—Town Trustees, C. E. Daley, Clerk, pass Resolution of Intention 132-B to improve portions of Escobar St. by grading, paving with an asphaltic concrete base 4 in. thick with a Warrenite Bitulithic wearing surface 2 in. thick, constructing 8-in. corrugated pipe culverts; cement sidewalks, etc. Imp. Act 1911. Protests will be heard August 22. W. S. Farley, Town Engineer.

BAKERSFIELD, Kern Co., Cal. — City Council, V. Van Riper, Clerk, pass Resolution of Intention 413 to improve portions of A, D, E, F and G Sts. by grading, constructing concrete curbs and gutters and paving with a 3½-in. Willite base on a 1½-in. Willite wearing surface, including the construction of a 6-in. vitrified pipe sewer in alleys in Blocks 237, 238 and 239; all known as Street District No. 76. Imp. Act 1911. Protests August 22. R. H. Hubbard, City Engineer.

SAN FRANCISCO.—Cowden & Brockerick Co. awarded contract by Board of Public Works to construct sewer in Woolsey st., between Dartmouth and University aves., at $5,506. Project involves 540 lineal feet 2x3 reinforced concrete sewer; 47 lineal feet 18-inch sewer; 2 brick or concrete manholes and one concrete manhole. M. M. O'Shaugnessy, City Engineer.

LANCASTER, Los Angeles Co., Cal.—Engineers Dessery & Bowen, Central Bldg., Los Angeles, have completed plans for a water system for Los Angeles county waterworks district No. 4, at Lancaster. The work will include the drilling of wells and construction of a piping system for distribution of water for irrigation. Estimated cost, $60,250.

TURLOCK, Stanislaus Co., Cal.—City Trustees adopt resolutions of intention to pave several streets; estimated cost, $50,000. Horace Hall, City Engineer.

BUSINESS OPPORTUNITIES

Pritchett & Sons, Freewater, Ore., wish to get in touch with local house wrecking firms with a view to securing used plumbing fixtures of all kinds.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1684	Flynn	Owner	500
1685	Danish	Jensen	500
1686	Roberts	Owner	2750
1687	McKenzie	Williams	500
1688	Dunn	Owner	8000
1689	Union Oil	Owner	2000
1690	Planters	Snook	2174
1691	Bothin	Arras	29000
1692	Leis	American	18000
1693	Pratt	Pratt	2500
1694	Johnson	Johnson	2000
1695	Palace Theatre	Owner	500
1696	Meyerstein	Owner	$1400
1697	Oliphant	Bernhardt	3000
1698	Dettmer	Gillespie	1950
1699	Greenback	Owner	1500
1700	Leach	Owner	1800
1701	Congregation	Malloch	2300
1702	Leis	Amer. Conc	18800
1703	Cantley	Owner	$14,000
1704	Dunphy	Hemminga	8000
1705	Wilks	Hobel	3,000
1706	Williamsen	Versell	500
1707	Douglass	Owner	500
1708	Robinson	Owner	500
1709	Ichelson	Kragen	5,000
1710	Fregosi	Demartini	600
1711	Savage	Owner	9000
1712	Field	Field	7000
1713	McDougall	Mason	45000
1714	Ham	Owner	70000
1715	Tranillet	Hill	2000
1716	Commercial	Del Favero	3500
1717	Hayes	Dunn	500
1718	Collins	Owner	500
1719	Keenan	Owner	28,000
1720	Anderson	Owner	6,000
1721	Briggs	Merritt	500

PERMITS

UNDDERPINNING
(1684) 1060 GEARY. Underpin printing establishment.
Owner—L. K. Flynn, 65 West Clay.
Architect—None.
Day's work. $500

ALTERATIONS
(1685) 152 MARKET ST. Reshingle south side of church; minor sheet metal work, etc.
Owner—Danish Ev. Luth. Church, 152 Church St.
Architect—None.
Contractor—James Jensen, 550 Valencia St. $500

RESIDENCE
(1686) W 2D AVE 107 N PARNASSUS. 2-story and basement frame residence.
Owner—F. W. Roberts, 2d Ave.
Architect—H. C. Baumann, 251 Kearny.
Day's work $2750

ALTERATIONS
(1687) 518-24 26TH AVE. Remove dormers, reshape roof, other minor alterations for residence.
Owner—Margaret McKenzie, 520 26th avenue.
Architect—None.
Contractor — Robert Williams, 1422 Willard. $500

ALTERATIONS
(1688) 6625 CALIFORNIA. Alterations and minor additions to (4) apartments.
Owner—Henry S. Dunn.
Architect — Hamilton Murdock, 915 Syndicate Bldg., Oakland.
Day's work. $8000

STATION
(1689) JUNCTION OTIS, TWELFTH & Mission. One-story steel service station.
Owner—Union Oil Co. of California. Union Oil Bldg., Los Angeles.
Plans by Owner.
Day's work. $2000

RECORDED

PLUMBING
(1690) S E DAVIS AND PACIFIC. Plumbing for alterations to Class "C" building.
Owner—Planters Nut & Chocolate Co.
Architect—Benj. G. McDougall, 391 Brush St.
Contractor—Frederick W. Snook, 596 Clay St.
Filed Aug. 11, '21. Dated Aug. 11, '21.
On completion 75%
Usual 35 days.....25%
TOTAL COST, $2174
Bond, $1087. Sureties, Aetna Casualty and Surety Co. Limit, 30 days. Forfeit none. Plans and specifications filed.

BUILDING
(1691) NW HOWARD 100 NE Eighth NE 165x175. All work for one-story and mezzanine building.
Owner—Bothin Real Esctate Co., 604 Mission St., San Francisco.
Architect—Arthur G. Bugbee.
Contractor—Adam Arras Co., 180 Jessie St., San Francisco.
Filed Aug. 12, '21. Dated Apr. 12, '21.
Forms in place to truss level..$3625
Concrete poured to above level. 3625
Roof in place..... 7250
Accepted 7250
Usual 35 days..... 7250
TOTAL COST, $29,000
Bond, none. Limit, 105 days. Forfeit, none. Plans and specifications filed.

GARAGE
(1692) N EDDY 130-2⅝ E Webster. One-story reinforced concrete public garage.
Owner—F. W. Leis, 109 Montgomery St., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—American Concrete Co., 785 Market St., S. F. $18,000

RESIDENCE
(1693) N CABRILLO 100 W 36th Ave. One-story and basement frame residence.
Owner—J. J. Pratt, 6632 Geary St., San Francisco.
Architect—None.
Contractor—Roy A. Pratt, 7140 Geary St., San Francisco. $2500

RESIDENCE
(1694) SE CLIPPER AND DOUGLASS. One-story and basement frame residence.
Owner—T. Johnson, 561 Clipper St., San Francisco.
Architect—None.
Day's work. $2000

ALTERATIONS
(1695) 198 ELLIS. Erect fireproof (tile) partition in work room.
Owner—Palace Theatre Co., Mason & Ellis Sts., San Francisco.
Architect—G. A. Lansburgh, 709 Mission St., San Francisco.
Day's work $500

(1696) 1107 GEARY ST. Remove two partitions; lay new floor; new front, etc., for drug store.
Owner—H. F. Meyerstine, 1644 Clay St.
Architect—None.
Day's work. $1400

(1697) 4071 18TH ST. One-story frame store.
Owner—J. Oliphant, 4663 18th St.
Architect—A. Bernhardt, 4440 20th St.
Contractor—A. Bernhardt, 4440 20th St. $3000

(1698) W 12TH AV 175 S LAKE. Minor additions and alterations for residence.
Owner—Adolph F. and Cecella J. Dettmer, 123 12th Av.
Architect—None.
Contractor—G. G. Gillespie, 2214 Divisadero St. $1950

ALTERATIONS
(1699) 3050-56-60 CALIFORNIA ST. Alter for private garages in flats.
Owner—J. Greenback, 371 Waller St., San Francisco.
Architect—None.
Day's work. $1500

FOUNDRY
(1700) SW SAN BRUNO AND ARMY. One-story frame foundry.
Owner—E. C. Leach, 40 College Ave., San Francisco.
Plans by Owner.
Day's work. $1800

RECORDED

ALTERATIONS
(1701) W FOURTH AVE 275 N Geary N 50xW 120. All work for alterations and additions to church.
Owner—Congregation Beth Sholam, premises.
Architect—None.
Contractor—J. S. Malloch, 180 Jessie St.
Filed Aug. 16, '21. Dated Aug. 15, '21.
When completed 50%.....$ 575
When completed 575
Usual 35 days..... 575
95 days after..... 575
TOTAL COST, $2300
Bond, sureties, forfeit, limit, none. Plans and specifications filed.
NOTE—Permit also applied for today.

GARAGE
(1702) E WEBSTER 25-4½ N Eddy N 49-8⅝ E 80-1⅛ NE 7-7⅝ N 39-11⅛ E 96-6½ S 120 N 42-4½ SW 9-10¾ S 37-7¾ W 80-10⅝. All work for one-story concrete garage.
Owner—F. W. Leis, 109 Montgomery St.
Architects—O'Brien Bros., Inc., 240 Montgomery St.
Contractor—Joseph Pasqualetti, doing business as American Concrete Co., 785 Market St., San Francisco.
When floorings are in place....$ 1,500
When walls are poured to bottom of trusses 4,750
When roof is on..... 4,750
When completed 3,100
Usual 35 days 4,700
TOTAL COST, $18,800
Bond, sureties, forfeit, none; limit, 75 working days. Plans and specifications filed.
NOTE—Permit reported Aug. 15, 1921. No. 1692.

FLATS
(1703) NE FIFTH AVE & GEARY. Two-story and basement frame (4) flats.

Owner—James Cantley, 180 Jessie St.
Architect—Edward E. Young, 251 Kearny St.
Day's work. $14,000

FLATS
(1704) W. ASHBURY 100 S. GROVE. Two-story and basement frame (2) flats.
Owner—A. P. Dunphy, 47 Ashbury St.
Architect—None.
Contractor—W. L. Hemminga, 47 Ashbury St. $8000

RESIDENCE
(1705) S. GEARY 107.6 W. 28TH AVE. One-story and basement frame residence.
Owner—John Wilks, 441 31st Avenue.
Architect—O. E. Evans, 2569 Mission St., San Francisco.
Contractor — Theodore Hobel, 427 Evergreen St. $3,000

ALTERATIONS
(1706) 2249-51 MARKET. Minor repairs and changes in moving picture theatre.
Owner—Julia A. Williamson, 2241-51 Market St., San Francisco.
Architect—None.
Contractor—J. L. Versell. $500

ADDITIONS
(1707) 2727 GEARY. Minor additions and alterations to residence.
Owner—T. A. Douglass. Premises.
Architect—None.
Day's work. $500

ADDITION
(1708) 18 CERES. Addition of bath and porch to cottage.
Owner—Mrs. Sadie Robinson, Premises
Architect—None.
Day's work. $500

ALTERATIONS
(1709) 1083-85 MARKET. Install show windows in store.
Owner—G. Ichelson Mercantile Co. Alrose Store, Jones and Market Sts., San Francisco.
Architect—None.
Contractor—Louis Kragen, 661 Golden Gate Ave., San Francisco. $5000

ALTERATIONS
(1710) 101 COLERIDGE. Move dwelling to front of lot, concrete foundation and floor, etc.
Owner—Mrs. Fregosi, 3280 Mission St., San Francisco.
Architect—None.
Contractor—F. Demartini, 1815 Church St., San Francisco. $600

FRAME STORES
(1711) NE GEARY AND TWENTIETH Ave. One-story frame stores.
Owner—W. A. Savage, 81 7th Ave., San Francisco.
Architect — Morrow & Garren, 1605 Chronicle Bldg., San Francisco.
Day's work. $9000

RESIDENCE
(1712) S MAGELLAN 200 E Pacheco. Two-story and basement frame residence.
Owner—Mrs. Alice M. Field, 5 Reservoir Blvd., San Rafael.
Architect—None.
Contractor—Fred H. Field, 5 Reservoir Blvd., San Rafael. $7000

GARAGE
(1713) S MINNA 75 E Fourth. One-story and basement brick garage.
Owner — Thos. McDougall, Claus Spreckels Bldg., San Francisco.
Architect — Jos. L. Stewart, Claus Spreckels Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco. $45,000

APARTMENTS
(1714) W STOCKTON 91-6 N Bush. Five-story and basement concrete (29) apartments.
Owner—L. B. Ham, 105 Montgomery St., San Francisco.
Architect—A. M. Bowser, Hearst Bldg., San Francisco.
Day's work. $70,000

ALTERATIONS
(1715) 1854 VALLEJO. Alterations and minor additions to residence.
Owner—J. P. Tranillet, Premises.
Architect—None.
Contractor—J. A. Hill, 1301 Leavenworth St., San Francisco. $2000

ALTERATIONS
(1716) N WASHINGTON 45 W Kearny New front; skylights; overhaul plumbing and build mazzanine floor for garment factory.
Owner—Commercial Center Realty Co., 916 Kearny St., San Francisco.
Architect—None.
Contractor—Del Favero & Rasori, 180 Jessie St., San Francisco. $3500

ALTERATIONS, ETC.
(1717) 663 27TH AVE. Change front of residence; alterations for basement garage, etc.
Owner—John Hayes, premises.
Architect—None.
Contractor—Joseph N. Dunn, 2630 Anza St. $500

GARAGE
(1718) ADJOINING 507 WEBSTER St. One-story frame private garage.
Owner—M. J. Collins, 507 Webster St.
Architect—None.
Day's work. $500

APARTMENTS
(1719) S W CALIFORNIA & COMmonwealth Ave. Three-story and basement frame (9) apartments.
Owner—H. C. Keenan, 300 Webster St.
Architect—None.
Day's work. $28,000

RESIDENCES
(1720) N ARMY 160-186.8 and 213.4 E Noe. Three 1-story and basement frame residences.
Owner—K. Anderson, 2581 Mission St.
Architect—None.
Day's work. $2000

ALTERATIONS, ETC.
(1721) 760 DOLORES ST. Alterations for private garage; concrete work, etc.
Owner—E. W. Briggs, 760 Dolores.
Architect—None.
Contractor — Geo. M. Merritt, 3014 Geary St. $500

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Aug. 15, 1921—E TWENTY-FOURTH Ave 200 N California. Herman Budan to whom it may concern.. .....Aug. 15, 1921
Aug. 15, 1921—E SCOTT 63 N Fell 37-6 x 100. Maud Warwick to whom it may concern..Aug. 15, 1921
Aug. 13, 1921—W TWENTY-FOURTH Ave 150 N California N 25xW 120. Frederick C Fish and Oscar W Thunberg to whom it may concern.....Aug. 13, 1921
Aug. 11, 1921—E FORTY-FIRST AVE 125 N Fulton N 25xE 120. Carrie H Hambleton to George F Barnett.... .....August 2, 1921
Aug. 10, 1921—N LAKE 82-6 W 21st Ave W 25xN 100. Patrick and Elizabeth McGoldrick to John Little .....Aug. 9, 1921
Aug. 10, 1921—W THIRTY-FIFTH Ave 215 N Cabrillo N 25xW 120. Anna S and Sophia Schroeder to John V Stiefel.....—

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
Aug. 15, 1921—N CABRILLO 60 W 47th Ave. W 30 x N 100. Atlas Mortar Co. vs. Charles C. Williams and Harry J. Frank.....$31.40
Aug. 15, 1921—N CABRILLO 30 W 47th Ave. W 30 x N 100. Atlas Mortar Co. vs. Charles C. Williams and Harry I. Frank $31.40
Aug. 11, 1921—S GEARY 82-6 W 9th Ave W 25xS 100. F A Ragsdale vs R L Waters $389.35
Aug. 10, 1921—N CABRILLO 30 W 47th Ave W 60xN 100. Frank Portman vs Charles C Williams and Harry J Frank.....$336.95
Aug. 10, 1921—N CABRILLO 30 W 47th Ave W 60xN 100. Malott & Peterson vs Charles C Williams and Harry J Frank.....$126

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Aug. 15, 1921—S PINE 49-6 E Powell. Charlot Bohlig Block as to improvements on property.....
Aug. 13, 1921—SE MARKET bet. 6th and 7th, No. 1083-1085 Market (store). Jas D Phelan as to improvements on property.....
Aug. 11, 1921—N POST 68-10 W Grant Ave W 50 N 72-6 W 1-3 N 50 E 51-3 S 122-6. Lillie S Guggenhime as to improvements on property..

THE SAN FRANCISCO
BUILDING LAWS
Are now ready for distribution at the office of the
Daily Pacific Builder
560 Mission St., S. F.
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BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2734	Littlepage	Owner	1500
2735	Littlepage	Owner	1500
2736	Hudson	Owner	1500
2737	Hillis	Hewitt	4000
2738	Kleinniman	Holmes	450
2739	Port	Sommer	
2740	Barnett	Schwalm	17841
2741	Sargent	Owner	9000
2742	Nichols	Owner	4800
2743	Hayme	Marshall	750
2744	Pierce	Ballard	498
2745	Ducus	Rollins	2000
2746	Manners	Anderson	900
2747	Taggart	Moore	420
2748	Forward	Owner	2000
2749	Isaac	Owner	3500
2750	Same	Same	3500
2751	Same	Same	13200
2752	Same	Same	19300
2753	Browning	Rule	400
2754	Grover	Reed	500
2755	Bertola	Higgins	1830
2756	Dwyer	Thompson	450
2757	Giammotti	Perona	1550
2758	Lawrence	Davis	475
2759	Donohue	Orton	[illegible]
2760	City of Oakland	Faulkner	1400
2761	Same	Same	1400
2762	Same	Same	2800
2763	Hook	Tollefson	2200
2764	Deuble	Inlow	3000
2765	Mouser	Furman	400
2766	Norgrove	Baker	4950
2767	Pollard	Owner	3000
2768	Person	Owner	4500
2769	Budge	Ward	4700

No.	Owner	Contractor	Amt.
2770	Scott	Thaxter	12000
2771	Smith	Owner	1000
2772	Anderson	Owner	500
2773	Jamison	Jamison	3500
2774	Lynn	Pfrang	960
2775	Deuble	Olsen	3000
2776	Prenveille	Anderson	11000
2777	Hook	Tollefsen	2200
2778	Mackins	Makins	8000
2779	Vallerza	Theile	3000
2780	West End	Tasker	400
2781	Graw	Owner	450
2782	Graham	Owner	3000
2783	Stever	Owner	3500
2784	Church	Williams	1800
2785	Hayes	McCord	400
2786	Knester	Owner	3500
2787	Wright	Knight	4000
2788	Delareuelle	Hudson	5000
2789	Culbertson	Owner	600
2790	Fox	Anderson	500
2791	Clayton	Hollenbeck	3800
2792	Breseia	Owner	600
2793	Davis	Monroe	500
2794	Underwood	Owner	500
2795	Hayes	McCord	500
2796	Tonjers	Sharp	875
2797	Bradt	Dingwell	2000
2798	Ingram	Stolte	4200
2799	Moore	Westlund	700

PERMITS

DWELLING
(2734) S HARRISON 50 W Kains, Berkeley. One-story dwelling.
Owner—M. B. Paul and J. E. Littlepage 1914 San Pablo Ave., Oakland.
Architect—None.
Day's work. $1500

DWELLING
(2735) SW KAINS AND HARRISON, Berkeley. One-story dwelling.
Owner—M. B. Paul and J. E. Littlepage 1914 San Pablo Ave., Oakland.
Architect—None.
Day's work. $1500

ALTERATIONS
(2736) 2321 WEBSTER ST., Berkeley. Alterations and repairs.
Owner—W. T. Hudson, Premises.
Architect—None.
Day's work. $1500

DWELLING
(2737) N ALMOND ST 126 171 W JONES AVE., Oakland. Two 1-story 4-room dwellings.
Owner—W. L. Hillis, 3869 Clark St., Oakland.
Architect—None.
Contractor—C. L. Hewitt, 9978 Stearns Ave., Oakland. $2000 each

ALTERATIONS
(2738) S E COR 9TH AND WEST Sts., Oakland. Alterations.
Owner—L. Kleinniman, 1529 Broadway, Oakland.
Architect—None.
Contractor—M. H. Holmes, 531 Grove St., Oakland. $450

RECORDED

ADDITION
(2739) FREMONT THEATRE, Oakland All work for addition to brick theatre.
Owner—Albert Port Jr.
Architect—None.
Contractor—I. M. Sommer Co., Balboa Bldg., San Francisco.
Filed Aug. 12, '21. Dated June 21, '21.
Foundation completed $3400
Brick walls up to hall..... 3400
Complete brick walls..... 3400
Completed 3400
Usual 35 days.....Balance
TOTAL COST, plus 10%
Bond, $8500. Sureties, A. Scharlin and H. Roth. Limit, 65 days. Forfeit, none. Plans and specifications, none

APARTMENTS
(2740) LOT 12 BLK "F" East Piedmont Heights Tract, Oakland. All work for three-story apartments.
Owner—H. Barnett and Charles Meyerstein, 431 11th St., Oakland.
Architect—None.
Contractor—Harry Schwalm, Hayward.
Filed Aug. 12, '21. Dated Aug. —.
Enclosed ..... ¼
Brown ocated ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $17,841
Bond, none. Limit, 110 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2741) S ASHMONT 300 W Mandana, Oakland. One and one-half-story 9-room dwelling.
Owner—Josephine A. Sargent, 612 Valle Vista, Oakland.
Architect—None
Day's work. $9000

DWELLING
(2742) W E-TWENTY-EIGHTH 325 S Park Blvd., Oakland. Two-story 7-room dwelling.
Owner—C. K. Nichols, 1528 Franklin St., Oakland.
Architect—None.
Day's work. $4800

GARAGE
(2743) 325 E-TWELFTH, Oakland. Garage.
Owner—Clara Hayme.
Architect—None.
Contractor—W. C. Marshall, Bacon Bldg., Oakland. $750

REPAIRS
(2744) 927-929 JEFFERSON, Oakland. Fire repairs.
Owner—Major E. H. Pierce, Presidio, San Francisco.
Architect—None.
Contractor—J. C. Ballard, 2628 13th Ave., Oakland. $498

REPAIRS
(2745) 311 LESTER AVE., Oakland. Repairs.
Owner—Ducus.
Architect—None.
Contractor—E. E. Rollins, 357 Athol Ave., Oakland. $2000

ALTERATIONS
(2746) 73 MONTE VISTA AVE., Oakland. Alterations.
Owner—F. S. Manners.
Architect—None.
Contractor—W. E. Anderson, 14 Croxton Ave., Oakland. $900

ALTERATIONS
(2747) 169 SANTA CLARA AVE., Oakland. Alterations and repairs.
Owner—H. J. Taggart.
Architect—None.
Contractor—C. T. Moore, 446 38th St., Oakland. $420

ALTERATIONS
(2748) 103 WALSWORTH, Oakland. Alterations.
Owner—Ida B. Forward, Premises.
Architect—None.
Day's work. $2000

DWELLING
(2749) NE MODESTO & FLEMING Ave., Oakland. One-story five-room dwelling.
Owner—Harry W. Isaacs, Syndicate Bldg., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. $3500

DWELLING
(2750) NW MODESTO & FLEMING Ave., Oakland. One-story 5-room dwelling.
Owner—Harry W. Isaacs, Syndicate Bldg., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. $3500

DWELLINGS
(2751) W MODESTO 40, 80, 120 and 160 N Fleming Ave., Oakland. Four one-story 5-room dwellings.
Owner—Harry W. Isaacs, Syndicate Bldg., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. (2) $3350 & (2) 3250 each

DWELLINGS
(2752) E MODESTO 40, 80, 120, 160, 200 and 240 N Fleming Ave., Oakland. Six one-story 5-room dwlgs.
Owner—Harry W. Isaacs, Syndicate Bldg., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. (2) 3350, $3250, $3200, $3150 and $3000 respectively.

GARAGE
S THIRTIETH 127 W Telegraph Ave., Oakland. One-story concrete garage.
Owner—C. H. J. Truman, Telegraph & 30th St., Oakland.
Architect—Chas. W. McCall, Central Bk Bldg., Oakland.
Contractor—W. G. McGinty & Sons, 2506 Keith Ave., Berkeley. $5062
NOTE:—Recorded contract reported August 3, 1921, No. 2612.

BOILER HOUSE
(2753) 1920 WEST ST., Berkeley. Boiler house.
Owner—Browning Preserve Co., Prem.
Architect—None.
Contractor—J. W. Rule, 1613 Ward St., Berkeley. $400

ALTERATIONS
(2754) 385 Belmont, Oakland. Alterations and additions.
Owner—Oscar H. Grover.
Architect—None.
Contractor—C. W. Reed, 2543 Pleasant St., Oakland. $500

DWELLING
(2755) E CENTER 100 N 12th, Oakland. One-story 3-room dwelling.
Owner—A. and Ermina Bertola, 12th & Center Sts., Oakland.
Architect—None.
Contractor—W. H. Higgins, 9439 Foothill Blvd., Oakland. $1830

ADDITION
(2756) 565 FORTY-FOURTH, Oakland. Addition.
Owner—D. F. Dwyer.
Architect—None.
Contractor—E. S. Thompson & Son, 3656 Broadway, Oakland. $450

ALTERATIONS
(2757) 444 FORTY-FOURTH ST., Oakland. Alterations and additions to dwelling.
Owner—G. G. Giammotti, 418 45th St., Oakland.
Architect—None.
Contractor—John Perona, 570 7th St., Oakland. $4550

(2758) N MARION AV 40 E STAR AV., Oakland. One-story 2-room dwelling.
Owner—Mrs. James Lawrence, Oakland.
Architect—None.
Contractor—R. T. Davis, San Lorenzo. $475

(2759) S OUTLOOK AV 250 W 68TH AV., Oakland. One-story 2-room dwelling.
Owner—W. H. Donohue, Bank of Italy Bldg., Oakland.
Architect—None.
Contractor—A. E. Orton, 68th Av. and Trenor St., Oakland. $975

(2760) 18TH AV AND E 28TH ST., Oakland. One-story 1-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 East 14th St., Oakland. $1400

(2761) 39TH AND MARKET, Oakland. One-story 1-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 East 14th St., Oakland. $1400

(2762) 34TH AND MAGNOLIA STS., Oakland. Two 1-story 1-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 East 14th St., Oakland. $1400 each

DWELLING
(2763) E SEMINARY AVE 54 N Orion, Oakland. One-story 4-room dwelling.
Owner—Beverly B. Hook, 1241 Naples St., San Francisco.
Architect—None.
Contractor—H. E. Tollefsen, 931 Filbert St., Oakland. $2200

DWELLING
(2764) N SUTER 220 E Eastman, Oakland. Oen-story 4-room dwlg.
Owner—C. B. Dauble, Syndicate Bldg., Oakland.
Architect—None.
Contractor—J. H. Inlow, 1037 Castro St., Oakland. $3000

DWELLING
(2765) W FORTY-EIGHTH AVE 420 S Vicksburg, Oakland. One-story three-room dwelling.
Owner—J. F. Mouser, 1911 34th Ave., Oakland.
Architect—None.
Contractor—M. F. Furman, 1610 Kains Ave., Berkeley. $400

DWELLING
(2766) W PARK BLVD 60 S El Centro Oakland. One-story 6-room dwlg.
Owner—C. M. Norgrove, 2220 Roosevelt Ave., Oakland.
Architect—None.
Contractor—W. J. Baker, 2255 Ransome Ave., Oakland. $4950

DWELLING
(2767) W COLUSA 40 S Beverly, Berkeley. One-story 5-room dwelling
Owner—A. J. Pollard, 77 Plaza Drive, Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(2768) N EL DORADO 388 E The Alameda, Berkeley. One-story 6-room dwelling.
Owner—Emil Person, 1023 54th St., Oakland.
Day's work. $4500
Architect—None.

DWELLING
(2769) S CHATHAM ROAD 40 W Park Blvd., Oakland. One-story 6-room dwelling.
Owner—M. L. Budge, 1450 Alice St., Oakland.
Architect—None.
Contractor—Leroy M. Baird. $4750

FLATS
(2770) NW DANA AND ALCATRAZ Ave., Oakland. Two-story 16-room flats.
Owner — W. R. Scott, 3 West View Drive, Oakland.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $12,000

ALTERATIONS
(2771) 110-112 ELEVENTH ST., Oakland. Alterations.
Owner—Herbert S. Smith, 322 Athol Ave., Oakland.
Architect—None.
Day's work. $1000

ALT. AND ADD.
(2772) 3027 FLORIDA ST., Oakland. Alterations and addition.
Owner—A. Anderson, 3520 Maple Ave., Oakland.
Architect—None.
Day's work. $500

DWELLING
(2773) SE GREENWOOD AVE AND Fleet Road, Oakland. One and one-half-story 6-room dwelling.
Owner—Mrs. R. M. Jamison, 2220 Telegraph Ave., Oakland.
Architect—None.
Contractor—R. M. Jamison. $3500

ADDITION
(2774) 5468 LOCKSLEY AVE., Oakland. Addition.
Owner—Grace E. Lynn.
Architect—None.
Contractor—C. J. Pfrang, 5449 Locksley Oakland. $960

DWELLING
(2775) N SUTER ST 150 E EASTMAN Ave., Oakland. One-story 4-room dwelling.
Owner—C. B. Deuble, Syndicate Bldg., Oakland.
Contractor—Chas. A. Olson, 4222 Carrington St., Oakland. $3000

RECORDED

APARTMENTS
(2776) SW E-TWELFTH 110 from NE line First Ave SW 100 NW 110 NE 11.18 E 23.97 SE 89.88, Oakland. All work for frame apartments.
Owner—A. E. M. Prenveille.
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—N. A. Anderson, 1927 Napa Ave., Berkeley.
Filed Aug. 16, '21. Dated Aug. 13, '21.

Frame up	$2000
Brown coated	2000
Completed and accepted	4000
Usual 35 days	3000
TOTAL COST,	$11,000

Bond, $6000. Sureties, R. A. Kronke, Jno. Carter and Edith Carter. Limit, 90 days. Forfeit, $2. Plans and specifications filed.

DWELLING
(277) E SEMINARY AVE BET ORION and Noble Sts., being Lot 6 Blk E, Sanford Tract, Oakland. One-story frame dwelling.
Owner—Beverly B. Hook, 209 Post St., San Francisco.
Architect—None.
Contractor—H. C. Tollefsen.
Filed, Aug. 16, '21. Dated Aug. 16, '21.
Payments as given:

Frame up	$ 300
Roof on	300
Wiring completed	300
Plastered	300
Completed and accepted	300
All bills paid	250
Usual 35 days	200
TOTAL COST,	$2200

Bonds, sureties, none; forfeit, $10; limit, 60 days from Aug. 20. Plans and specifications filed.

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DWELLING
(2778) COR. MAGNOLIA AND EL Cerrito Aves., Piedmont. One and one-half-story frame dwelling.
Owner—Mackins Co.
Architect—None.
Contractor—E. S. Makins. $8000

DWELLING
(2779) 2904 ENCINAL AVE., Alameda One-story 5-room dwelling.
Owner—L. Vallerza, 2601 Calhoun St., Alameda.
Architect—None.
Contractor—T. J. Theile, 3011 Encinal Ave., Alameda. $3000

TANK HOUSE
(2780) 1616 LINCOLN AVE., Alameda. Tank house.
Owner—West End Laundry, Premises.
Architect—None.
Contractor—T. Tasker, 1211 Regent St., Alameda. $440

ALTERATIONS
(2781) 4401 E-FOURTEENTH, Oakland. Alterations.
Owner—F. E. Graw, 4411 E-14th St., Oakland.
Architect—None.
Day's work. $450

DWELLING
(2782) N E-SIXTEENTH 245 E High, Oakland. One-story 5-room dwlg.
Owner—C. H. Graham, 1455 46th Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2783) N SIXTY-SECOND 150 E Colby Oakland. One-story 6-room dwlg.
Owner—J. R. Stever, 420 63rd St., Okd.
Architect—None.
Day's work. $3500

ADDITION
(2784) SIXTEENTH & MAGNOLIA Sts., Oakland. Addition.
Owner—Reorganized Church of Christ
Architect—None.
Contractor—E. R. Williams, 3381 Peralta Ave., Oakland. $1800

GARAGE
(2785) 589 TWENTY-SECOND, Oakland. Garage.
Owner—Mrs. Hayes.
Architect—None.
Contractor—J. A. McCord, 351 Beverly Ave., San Leandro. $400

DWELLING
(2786) N WENTWORTH AVE 160 W Fairfax Ave., Oakland. One-story 5-room dwelling.
Owner—Chas. J. L. Knester & Son, 5356 Wentworth Ave., Oakland.
Architect—None.
Day's work. $3500

RECORDED

DWELLING
(2787) NW 50 LOTS 5 & 6 BLK R, Map lands adjacent to Town of Encinal. Alameda. One-story 5-room dwelling.
Owner—Isabelle I. Wright, 674 56th St., Oakland.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland.
Filed Aug. 17, '21. Dated Aug. 11, '21.
Floor joists in place.....$ 500
Roof completed 1,000
Brown coated 1,000
Accepted 1,000
Usual 35 days 500
TOTAL COST..$4,000
Bond, sureties, forfeit, none. Limit, 75 days. Plans and specifications filed.

DWELLING
(2788) N E-THIRTY-THIRD 180 E Elliott, Oakland. One-story six-room dwelling.
Owner—G. H. Delareuelle, 4034 Division St., Oakland.
Architect—None.
Contractor—L. G. Hudson, 1771 Evans Ave., Oakland. $5000

SHOP
(2789) S E-FOURTEENTH 50 S 81st Ave., Oakland. One-story machine shop.
Owner—D. E. Culbertson, 1222 93rd Ave., Oakland.
Architect—None.
Day's work. $600

DWELLING
(2790) N FAIRBANKS AVE 150 E Warfield, Oakland. One-story 2-room dwelling.
Owner—H. K. Fox, 4166 Montgomery St. Oakland.
Architect—None.
Contractor—C. S. Anderson, 716 E-23rd St., Oakland. $300

DWELLING
(2791) W HILL VIEW AVE 200 S Madeline, Oakland. One-story five-room dwelling.
Owner—W. A. Clayton.
Architect—None.
Contractor—G. B. Hollenbeck, 3084 Richmond Ave., Oakland. $3800

DWELLING
(2792) E 102ND AVE 90 S Plymouth, Oakland. One-story 4-room dwlg.
Owner—Julius Brescia, 471 Janna Ave., San Leandro.
Architect—None.
Day's work. $600

ADDITION
(2793) 661 THIRTY-FIRST, Oakland. Addition.
Owner—Abe Davis.
Architect—None.
Contractor—J. W. Monroe, 4612 Grove St., Oakland. $500

ALTERATIONS
(2794) 3453 THIRTY-FIFTH AVE., Oakland. Alterations and additions
Owner—E. E. Underwood, Premises.
Architect—None.
Day's work. $500

ALTERATIONS
(2795) 589 TWENTY-SECOND, Oakland. Alterations.
Owner—Mrs. Hayes.
Architect—None.
Contractor—J. A. McCord, 351 Beverly Ave., San Leandro. $500

ADDITION
(2796) 4418 VIRGINIA AVE., Oakland. Addition.
Ownre—H. Tonjers, Premises.
Architect—None.
Contractor—A. C. Sharp, 1327 E-28th St., Oakland. $875

ALTERATIONS
(2797) W WALKER AVE 50 N Cottage Oakland. Alterations and additions
Owner—G. H. Bradt.
Architect—None.
Contractor—J. F. Dingwell, 2021 West St., Oakland. $2000

RECORDED

DWELLING AND GARAGE
(2798) S W COR HOPKINS ST AND Wilson Ave., Oakland. One-story 5-room dwelling and garage.
Owner—W. H. Ingram.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.
Filed Aug. 18, '21. Dated Aug. 15, '21.
Payments not given.
TOTAL COST, $4200
Bond, sureties, forfeit, limit, none. Plans and specifications filed.

ALTERATION GARAGE
(2799) S W COR KING AND FARRAGUT Aves., Piedmont. Alterations on garage.
Owner—Walton N. Moore, Piedmont.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Fred J. Westlund, 351 12th St., Oakland.
Filed Aug. 18, '21. Dated Aug. 8, '21.
Payments, 12th and 27th of each month 25%
Usual 35 days 25%
TOTAL COST, $700
Bonds, sureties, forfeit, none; limit, 30 days. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Aug. 15, 1921—PTN LOT 20 BLK B, Map University Villa Tract, Berkeley. Mabelle Emma Addition to Harry C. Knight .....Aug. 12, 1921
Aug. 16, 1921—LOT 17 BLK G MAP Northbrae Terrace, Berkeley. C. H. G. Runde for Bruno and Mabel Feldhammer to Gustaf Johanson .....Aug. 15, 1921
Aug. 12, 1921—N E COR 12TH AND Washington Sts., Oakland. Foreman & Clark to Geo. Merritt. .....Aug. 6, 1921
Aug. 6, 1921—E 20 LOT 3 AND W 20 Lot 4 Blk 1, Map Thousand Oaks Station Tract. J. O. Stalder to A. H. Pallen.....August 4, 1921
Aug. 11, 1921—LOT 4 BLK 1, Brougher Property, Oakland. C. R. Mains to H. C. Pfrang..Aug. 9, 1921
Aug. 10, 1921—LOT 18 BLK 827, A J Snyder's Piedmont Terrace-by-the-Lake. Isabella and Floyd M Fritz to C W and L H Short..Aug. 8, 1921
Aug. 10, 1921—S MOSS AVE bet. Telegraph Ave and Webster, Okd. H A Mathiot to S Morris.Aug. 10, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Aug. 15, 1921—LOT 5 BLK "X" Map Toler Heights, Oakland. Geo W Purbeck, $21; O R Johnson, $55 vs Clifford L and Leslie May Hewitt
Aug. 10, 1921—W WOOD 26 N 12TH N 26x W 100, Oakland. R. J. Schmidt vs Ellen L and Hazel Hunt and R H Wells.....$143.00

HOMESTEADS

ALAMEDA COUNTY.

Aug. 15, 1921—N THIRTY-EIGHTH 623.36 E Market E 40xN 139.5, Oakland. Marrican Taforo (wf Frank) $500
Aug. 15, 1921—SE E ST. AND S East St. SE 2.85 ch SW 4.57 ch NW 1.93 ch NW 1.45½ ch NW 1.17½ ch NW 1.01 ch NW 59½ links NE 6.20 ch, Hayward. Jos T Dias..$500
Aug. 15, 1921—SE BOULEVARD Park Ave 130 NE Carrington NE 45xSE 120, Okd. Helen Thomas (wf F H) $400
Aug. 16, 1921—LOT 10 and NW 10 Lot 11 Blk 21 Map Boulevard Park Tract, Okd. Mary Jensen (wf Lars) $600
Aug. 12, 1921—E TELEGRAPH AVE 250 S 51st S 50xE 133, Oakland. B De Lucis .....$—

BUILDING CONTRACTS

SACRAMENTO COUNTY

SCHOOL ADDITION
415 Q St., Sacramento. Two-story frame 2-room addition.
Owner—Sacramento City School District.
Architect—Hemmings-Petersen - Huchnutt, Inc., Architectural and Engineering Commission, Sacramento

Elementary Schools, third floor of City Library, 9th and I streets, Sacramento, Cal.
ontractor—W. C. Keating, Capitol National Bank Bldg., Sacramento. $39,950

CHOOL ADDITION
10 K ST., Sacramento. Two-story frame and stucco addition to school.
wner—Sacramento City School District.
rchitect—Hemmings-Petersen - Hudnutt, Inc., Architectural and Engineering Commission, Sacramento Elementary Schools, third floor of City Library, 9th and I Streets, Sacramento.
ontractor—W. C. Keating, Capitol National Bank Bldg., Sacramento. $55,950

WELLING
141 40TH ST., Sacramento. One-story 5-room frame dwelling.
wner—C. H. Keil, 601 O St., Sacramento.
rchitect—None.
ontractor—W. C. Keating, Capitol National Bank Bldg., Sacramento. $4900

WELLING
593 FRANKLIN BLVD., Sacramento. One-story 5-room frame dwelling.
wner—R. Dessing, 3120 Donner Way, Sacramento.
rchitect—None.
ay's work. $3000

WELLING
50 43D ST., Sacramento. One-story 5-room frame dwelling.
wner—J. F. Glass, 800 43d St., Sacramento.
rchitect—None.
ay's work. $1750

EPAIRING
15 L ST., Sacramento. General repairing.
wner—White & Dowellym, White Hospital.
rchitect—None.
ontractor—J. Woerner, 3510 12th St., Sacramento. $600

LTERATIONS
16 Q ST., Sacramento. Partition off room and install bath.
Owner—J. H. Francis, 416 Q St., Sacramento.
Architect—None.
Day's work. $550

ALTERATIONS
423 14TH ST., Sacramento. Reshingle roof and install bath, etc.
Owner—W. H. Catlett, 719 O St., Sacramento.
Arcitect—None.
Day's work. $500

DWELLING
1530 W ST., Sacramento. One-story 5-room frame dwelling.
Owner—L. T. Clark, 76 Sacramento blvd., Sacramento.
Architect—None.
Contractor—J. P. Howell, 1847 47th St., Sacramento. $3300

REMODELING
3209 MONTGOMERY WAY, Sacramento. Raise house and erect flats underneath.
Owner—R. Koeser, 3206 Montgomery Way, Stockton.
Architect—None.
Contractors—Herndon & Finnigan, 1814 17th St., Sacramento. $2700

REPAIRING
1028 2ND ST., Sacramento. General repairing.
Owner—George Peres, 1028 2d St., Sacramento.
Architect—None.
Contractors—Herndon & Finnigan, 1814 17th St., Sacramento. $1600

REPAIRING
1028 2ND ST., Sacramento. General repairing.
Owner—Geo. Peres, 1028 2d St., Sacramento.
Architect—None.
Contractor—Jim Scares, 1028 2d St., Sacramento. $3000

REPAIRING
2015 12TH ST., Sacramento. General repairing.
Owner—Chas. Crowell, Stockton.
Architect—None.
Contractor—M. F. McKenzie, 1126 T St., Sacramento. $535

DWELLING AND GARAGE
1060 40TH ST., Sacramento. One-story 5-room frame dwelling and garage.
Owner—T. Farras, 2714 F St, Sacramento.
Architect—None.
Contractor—W. R. Sanders, 2614 I St., Sacramento. $4775

DWELLING
5288 J ST., Sacramento. One-story 5-room dwelling.
Owner—A. Stefini, 1115 Roder, Sacramento.
Architect—None.
Contractor—F. Banducci, 1325 57th St., Sacramento. $3300

DWELLING
2131 FOURTH AVE., Sacramento. Two story eight-room dwelling.
Owner—Thos. E. Santon, 2165 Portola St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, 2926 S St., Sacramento. $6000

LIENS FILED

SACRAMENTO COUNTY.

Recorded Amount
Aug. 12, 1921—LOTS 5 & 6 BLK G SUB 5, North Sacramento. A. B. Atkinson as Oak Park Lumber and Milling Co. vs J. F. and Anna C. Harwood and North Sacramento Land Co. .....$247.77 and int.
Aug. 11, 1921—LOT 4 BLK B North Sacramento - Sub 7, Sacramento. Ralph Myrick vs W A and B L Salmon $203

BUILDING CONTRACTS

FRESNO COUNTY.

WAREHOUSE
291 SANTA FE RESERVATION, Fresno. Warehouse.
Owner—Mrs. O. B. Olufs.
Architect—None.
Contractor—R. F. Felchlin, Rowell Bldg., Fresno. $7000

DWELLING
3115 ALTA ST., Fresno. Dwelling.
Owner—L. M. Smith, Fresno.
Architect—None.
Day's work. $3500

ADDITION
120 GLENN AVE., Fresno. Addition to dwelling.
Owner—Jas. R. Jackson.
Architect—None.
Day's work. $1,000

DWELLING
3102 MONTESITO ST., Fresno. Dwelling.
Owner—Manoogian & Yeghoian.
Architect—None.
Day's work. $3500

DWELLING
725 G ST., Fresno. Dwelling.
Owner—Joe Olivers.
Architect—None.
Contractor—Hart & Hart. $3000

DWELLING
2316 WASHINGTON AVE., Fresno. Dwelling.
Owner—Jacklin Barbary.
Architect—None.
Day's work. $1965

DWELLING
1212 TRINITY ST., Fresno. Dwelling.
Owner—M. Labella, Fresno.
Architect—None.
Day's wark. $3000

BOTTLING WORKS
1335 F ST., Fresno. Bottling works.
Owner—W. M. Story, 840 Echo St., Fresno.
Architect—None.
Contractor—F. J. Watson. $4000

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ALTERATIONS
1161 F ST., Fresno. Remodel store front.
Owner—G. Malanca, Fresno.
Architect—None.
Day's work. $1000

DWELLING
3425 IOWA AVE., Fresno. Dwelling.
Owner—C. F. Sickler, 3431 Iowa St., Fresno.
Architect—None.
Day's work. $750

DWELLING
294 POPLAR AVE., Fresno. Dwelling
Owner—Mrs. N. Jaussaud, Fresno.
Architect—None.
Contractor—W. G. Jolly, 547 Echo St., Fresno. $2950

CHURCH
F AND SAN DIEGO STS., Fresno. Church.
Owner — German Evan. Luth. Cross Church.
Architect—None.
Day's work. $12,000

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
Aug. 17, 1921—LOTS 15-16 BLK 50, Biola, Fresno. Cal. Assd. Raisin Growers to Shorb & Neads.... Aug. 10, 1921
Aug. 16, 1921—LOT 3, Olive Heights, Fresno. Abraham Mills to whom it may concern.....Aug. 6, 1921

LIENS FILED

FRESNO COUNTY.

Recorded Amount
Aug. 17, 1921—LOTS 24 TO 28 BLK 15, Grand Ave. Park, Fresno. G H Stivers vs Jerry Watts $275
Aug. 17, 1921—LOTS 49 TO 52 BLK 8, Van Ness Hghts, Fresno. Swastika Lumber Co vs F S Kennedy, H P Jayne et al $35
Aug. 17, 1921—LOTS 7 AND 8 BLK 375, Fresno. Swastika Lumber Co vs E J Regan and John M Menend $43
Aug. 16, 1921—LOTS 49 & 52 BLK 8, Van Ness Heights, Fresno. G L Coulter vs R D Paul $60
Aug. 13, 1921.
LOT 4 BLK 4, WOODLAWN ADD., Fresno. Barrett-Hicks Co. vs F. R. Harriman et al.....$115
Aug. 13, 1921.
LOTS 11-12 NE 10 FT OF LOT 13 BLK 28, Coalinga. Fresno Sheet Metal and Roofing Co. vs E. B. Anderson and L. G. McCabe.....$960.00
Aug. 12, 1921—E ½ OF NW ¼ OF SE ¼ of Sec. 15, 13-22, Fresno. John B DeJarnatt vs Geo F Hughes and Geo N Barnard.....$695
Aug. 12, 1921—LOTS 21 AND 22 BLK 65, K. B. Heights, Fresno. M A Spear vs Frederick F Sprow...$109

Notice of Non-Responsibility

FRESNO COUNTY

Aug. 16, 1921—LOTS 15 AND 16, Merwyn Park, Fresno. A C Becker as to improvements on property....

BUILDING CONTRACTS

SANTA CLARA COUNTY

SCHOOL
SANTA CLARA. All finish hardware, complete not including hardware for special furniture and fixtures for two-story cement school building.
Owner—Board of Education, Santa Clara High School District, Santa Clara.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—San Jose Hardware Co., San Jose.
Filed Aug. 11, '21. Dated July 20, '21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $2710
Bond, $2710. Sureties, Robt. Shottenhamer and E. J. Shottenhamer. Limit, 100 working days from July 20, 1921. Forfeit, $10. Specifications only filed.

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Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
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ROSS E. PIERCE, Manager
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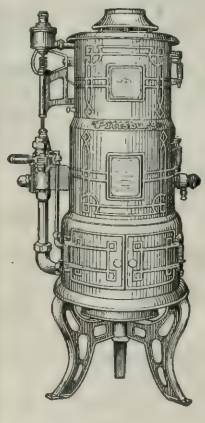

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RESERVOIR
STATE HIGHWAY, between San Jose and Los Gatos about 2 miles from the town of Campbell (Cambrian Reservoir). All work for earth reservoir with concrete lining necessary gate tower and appurtenances.
Owner—San Jose Water Works, S. J.
Architect—None.
Contractor—Chadwick & Sykes Inc., San Francisco.
Filed Aug. 12, '21. Dated Aug. 11, '21.
As work progresses..... 85%
Usual 35 days..... 15%
TOTAL COST, $24,000
Bond, none. Limit, on or before Jan. 1, 1922. Forfeit, $25. Plans and specifications filed.

COTTAGE
SE HOLUWOOD AND S-SECOND STS., San Jose. All work for one-story frame cottage.
Owner—J. P. Roffinela and Maria W. Kohler, San Jose.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—Benj. Quinet, San Jose.
Filed Aug. 12, '21. Dated Aug. 11, '21.
Frame up $1000
Plastering on 1000
Completed and accepted..... 1000
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, $2000. Sureties, Geo. W. Dobson and G. W. Fowler. Limit, 85 working days from date of agreement. Forfeit, $10. Plans and specifications filed.

RESIDENCE
STANFORD UNIVERSITY. All work for two-story residence.
Owner—L. R. Abrams, Stanford University.
Architect—A. B. Clark, Stanford University.
Contractor—Geo. Jacobsen, Palo Alto.
Filed Aug. 15, '21. Dated Aug. 8, '21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $12,875
Bond, $6500. Sureties, Walter Kipps and W. P. Gray. Limit, 80 working days from Aug. 8, 1921. Forfeit, none. Plans and specifications filed.

DWELLING
LOTS 17 AND 18 BLK 10, South Palo Alto. All work for two-story frame (stucco exterior) dwelling and frame garage.
Owner—R. B. Cherington, Palo Alto.
Architect—None.
Contractor—Harold R. Moss, Palo Alto.
Filed Aug. 16, '21. Dated Aug. 6, '21.
House enclosed $2662.50
Plastering completed 2662.50
House finished 2662.50
Usual 35 days..... 2662.50
TOTAL COST, $10,650.00
Bond, $5325. Sureties, W. P. Gray and William Scofield. Limit, 90 working days after Aug. 10. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Aug. 17, 1921—Palo Alto, Cal. Joseph A. Jury, to whom it may concern. .....Aug. 9, 1921
Aug. 11, 1921—LOT 15 BLK 4, Hanchett Residence Park, San Jose. Adolph G Goldstein to whom it may concern.....Aug. 10, 1921
Aug. 12, 1921—LOT 12, Hawthrone Place, San Jose. Sam R Butler to whom it may concern. .Aug. 12, 1921
Aug. 13, 1921—NEAR LOS ALTOS. Charles H Blake to John Morton.. .....August 11, 1921
Aug. 16, 1921—LOTS 3 AND 4 BLK 2, Naglee and Sainsevain Addition to City of San Jose, San Jose. E Nommensen to whom it may concern. .....June 15, 1921
Aug. 16, 1921—LOTS 14 AND 15 Subdivision 1 Taffe Tract, Mayfield. Geo H Newman to Frank W Fox.. .....Aug. 15, 1921

BUILDING CONTRACTS

SAN MATEO COUNTY

LOTS 2 & 3 BLK 11, Menlo Oaks near Menlo Park. Alteration and addition to a 2-story house.
Owner—Charles A. Shurtleff, Menlo Park.
Contractor—C. M. and W. H. Weeden, known as Weeden Bros., Menlo Park.
Filed Aug. 11, '21. Dated Aug. 8, '21.
On first of each month.....75%
Usual 35 days.....25%
TOTAL COST, $6,398.35
Bond, $——. Sureties, Z. T. Thorning and W. P. Gray. Forfeit $5. Limit 60 working days. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Aug. 11, 1921—LOT 9 BLK 17, Easton Add No. 1, Burlingame. Miles Macon Elder to whom it may concern.....Aug. 10, 1921

LIENS FILED

SAN MATEO COUNTY.

Recorded Amount
Aug. 16, 1921—W ½ LOT 2 BLK 9 Map No. 2, Burlingame Land Co. Burlingame. Joseph Grimes vs A A Hoppe, George Wallace, P B Wallace and E A Wallace.....$97.14

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

RESIDENCE
COMMERCE AND ANDERSON STS. Stockton. Residence.
Owner—Peter Veretto.
Architect—None.
Day's work. $3500

REMODELING
743 E. ANDERSON ST., Stockton. Remodeling.
Owner—R. L. Darter, Odd Fellows' Bldg., Stockton.
Day's work. $600

HOTEL
WEST COMMERCE, Stockton. Hotel.
Owner—H. Klemeyer, 1109 South San Joaquin, Stockton.
Architect—None.
Day's work. $12,000

SERVICE STATION
SO CENTER & EAST JACKSON STS, Stockton. Service station.
Owner—Standard Oil Co., Stockton.
Architect—None.
Day's work. $6000

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Aug. 16, 1921—LOT 15 BLK 1, Park Addition to Manteca City. John Hutchings to J Ralph..Aug. 13, 1921

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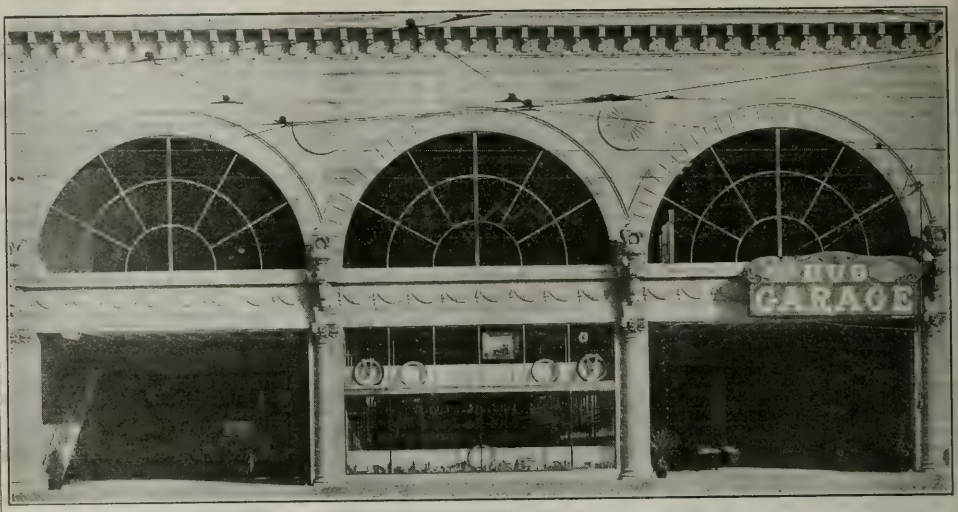

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SAN FRANCISCO, CAL., AUGUST 27, 1921

Published Every Saturday
Twenty-first Year, No. 35

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CAL., AUGUST 27, 1921 — Twenty-first Year, No. 35

Building & Engineering News

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San Francisco, Calif.

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EDITORIAL COMMENT

The success that has been attained to date in the building trades fight has been made possible only through the splendid co-operation that has been practiced between owners, architects, contractors and building material firms and manufacturers.

It is, therefore, necessary at this time for every owner, architect and contractor to look about him and discover who have been friends of the cause and who its enemies. Community interest requires that those who are deserving shall be favored as against those who have followed a narrow policy of selfish personal interest.

It is the plain duty of every owner, architect and contractor to give his most loyal support and patronage to those building material firms and manufacturers that have shown and are now showing consistent loyalty. It is likewise the plain duty of every owner and architect to note carefully the names of those contractors who are showing their loyalty and to see to it that those contractors who do their part are given preference in handling future building construction work in San Francisco.

WEEKLY BANK CLEARINGS

Bank clearings as reported to the California Development Association by the several clearing house cities for the week ending August 18, 1921, showing the amount of increase or decrease from the amount reported to corresponding week last year:

San Francisco..	$124,800,000	$43,700,000
Los Angeles....	80,186,000	*200,000
Oakland	10,884,953	77,482
Sacramento	5,816,893	972,743
San Diego	2,774,429	242,586
Fresno	3,921,479	388,055
San Jose	1,785,220	692,465
Bakersfield	3,684,522	*825,431
Santa Rosa	409,740	6,426
Modesto	799,076	.....
San Bernardino..	1,272,761	.....

*Increase.

To the Public and Building Trades Workmen

The people of San Francisco, and in particular the building trades workmen of this city, are entitled to first hand knowledge of the terms under which the men of the Building Trades are welcome back to work.

We have learned there has been so much misinformation given to the workmen, and it has been done with such apparent motive to keep the men in ignorance of the true situation, that we publish herewith in full the principles on which the building trades controversy has been fought.

We feel public opinion almost unanimously will approve the terms:

1. The right of any person to seek, secure and retain work for which he is fitted, and the right of the employer to engage or dismiss employes should not be abridged or denied because of membership or lack of membership in any organization or association of any kind.

2. A horizontal wage reduction of 7½ per cent. No further wage changes prior to November 12, 1921.

3. An eight-hour day and a five and one-half day week, overtime to be paid for at the rate of time and a half, except Sundays and holidays, when double time is to be paid.

4. No discrimination against or interference with any employe because of his union or non-union standing.

5. Elimination of those rules which hitherto have tended to reduce output and increase costs; a man is expected to deliver a normal day's work and to use such modern machinery or tools as will best and most economically do the work, provided the same are not unsanitary or dangerous to health.

6. No discrimination against materials for any reason, whether on account of source, means of transportation or handling.

7. No person is permitted, without the consent of the employer, to go upon a building during working hours for the purpose of holding conferences or conversation with the workmen.

8. A Board to be created not later than September 30, 1921, to investigate building conditions and to announce a wage scale effective November 12, 1921. In no sense is this Board to be an Arbitration Court, but it will act only after public hearings and investigation in which all parties will have opportunity to present their views and claims. It is realized that this Board cannot function successfully without the support of Public Opinion and that it cannot hope to win such support unless its personnel is of unquestioned integrity and its proceedings open and fair.

INDUSTRIAL RELATIONS COMMITTEE.
ATHOLL McBEAN, Chairman.

TWELVE TYPES OF SURFACING IN LINCOLN HIGHWAY

Twelve types of surfacing are found in the 2,853 miles of Lincoln Highway improved in the past seven years at a cost of a little more than $31,000,000. As the total mileage over this route between New York and San Francisco is 3,305, there are still 452 miles to be completed, and the Lincoln Highway Association estimates that about $10,000,000 will be expended this year on the whole project.

The Highway Association furnishes the following table of classifications of completed work:

High Type—Metaled Roads

	Miles
Concrete	422.34
Brick	219.68
Bitulithic Macadam	108.81
Macadam	287.10
Asphalt	78.0
Creosote Block	5.90
Granite Block	7.10

Low Type

Graded Gravel	956.00
Natural Gravel	62.10
Graded Earth	725.67
Natural Earth	136.00
Sand	3.30

In 1920 there were 542 miles of new construction, as follows

	Miles
Concrete	127.5
Brick	7.1
Bitulithic Macadam	12.2
Gravel	187.8
Permanent Earth Grade	206.9

LUMBER PRODUCTION

For the week ending August 6 106 mills in western Oregon and western Washington report production of 54,642,024 feet, which is 29 per cent below normal.

New business totaled 58,324,716 feet.

Shipments totaled 57,412,070 feet.

For delivery by rail, ne wbusiness included 1211 cars; rail shipments 1186 cars. Unshipped balance in the rail trade was 2602 cars.

Local business totaled 3,613,919 feet.

In the cargo trade, domestic orders totaled 11,600,184 feet; export, 6,789,613 feet. Coastwise and intercoastal cargo shipments totaled 13,188,236 feet; export shipments, 5,029,915 feet.

MUNICIPAL OWNERSHIP

The revenues of the Municipal Railway of San Francisco exceeded its disbursements for the fiscal year ending June 30, 1921, by more than $600,000, according to the annual report of City and County Treasurer John E. McDougald, filed with the mayor, in compliance with the charter. The report shows a total of $2,900,636.23 in passenger receipts and miscellaneous revenue, and payment made for the street car system amounting to $2,122,137.36. Last year's comparative figures were $2,749,651.14 and $2,142,198.09.

The Observer

Building activities in Oakland continues at a brisk pace. One hundred and thirty-five building permits were issued by the city building department for the week ending August 17. Improvements carried on under these permits total approximately $168,723.

Kichizo Iwaya, manager of the export sales department of the Asano Portland Cement Co. at Tokyo and H. Nakagawa, superintendent of the same concern, were in Martinez recently investigating the street paving now under way in that city. The men represent the Japanese government and are seeking data preparatory to starting plans for paving the entire city of Tokyo.

Lochiel M. King has been elected chairman of the Alameda City Planning Commission and Captain W. G. Tibbetts elected vice-president. Wm. Varcoe, City Clerk of Alameda, is secretary.

Henry Turley, formerly connected with the city engineer's office of Richmond, has opened an office in the Schramm building, that city, and will engage in private practice, specializing in street work.

The L. D. Carpenter Lumber Co. of Seattle has filed a petition in bankruptcy. Assets, $63,547; liabilities, $201,349.

The wage controversy in the building industry at Cleveland, Ohio, has been settled for a time by arbitration, but a standardized agreement between the employers and building crafts remains to be drafted. It is stated the contractors will insist on three principles in this agreement: (1) Elimination of all restrictive cluses; (2) elimination of waiting time, travel time and similar clauses, which means 8 hours' work for 8 hours' pay; (3) and the right to employ such labor as can be procured when the unions cannot supply men. If the unions consent to these demands some of the most objectionable regulations that have grown out of the closed shop will be removed.

Ernest H. Tate has taken charge of the waterproofing department of the General Fireproofing Co., 618 Washington Bldg., Los Angeles.

The 1920 Oregon lumber cut is reported at three billion, three hundred and seventeen million feet. Washington mills cut five billion, five hundred and twenty-five million feet.

The city of Seattle is being sued for $359,140 in the Federal Court by the Strauss Bascule Bridge Co. of Chicago for alleged infringements of patents in connection with the construction of the Ballard-Fremont and University bridges here. The three bridges are said to contain features patented by the plaintiff and used without permission.

Paul Williams, architect, has been appointed a member of the Los Angeles City Planning Commission.

Improved conditions in the northwest lumber trade are indicated in the weekly news letter issued by the Loyal Legion of Loggers and Lumbermen. Building trades readjustments continue; lumber camps and mills are putting on more men and the general situation shows improvement, says the report.

Governor Emmet D. Boyle of Nevada confirms the report that he is through with politics and declares he will resume his profession as a mining engineer with headquarters in Reno, on expiration of his term. He has formed a partnership with W. E. Hindrey, an Eastern engineer.

Stone for macadam roads, tools, and machinery, labor or subgrade, cost of macadam roads, State specifications, etc., are covered in Farmer's Bulletin 338 (reprint) by Austin Fletcher. The bulletin can be obtained for 5 cents by addressing the Superintendent of Documents, Government Printing Office, Washington, D. C.

Harry C. Gray, Roy M. Nurse and Frank Gray have purchased the business of the Ophir Hardware Co. at Oroville. The firm is now known as the Gray-Nurse Hardware Co., Inc.

A representative of an Eastern concern is seeking a site in Alameda on which it is proposed to erect a huge steel plant. The company seeks a site of not less than 200 acres. The plant will employ about 2500 persons.

McRorie, McLaren Co., landscape engineers of San Francisco, have been awarded a contract by Bakersfield City Council to beautify Stark Park in that city. The contract price for the year's improvement on the grounds is $17,765. In addition to this work the same company will lay out the East Bakersfield Park, which will call for an expenditure of approximately $44,000.

Vallejo Chamber of Commerce has appointed a committee to investigate the city manager form of government. The city manager plan, it is said, is favored by the Vallejo Chamber.

Carpenters' Union No. 771, Watsonville, Calif., votes voluntary wage reduction. Commencing September 1, the wage will be $7.20 a day; a reduction of 80 cents a day. The new rate adopted at Watsonville is the same as that recently decided upon by the Santa Cruz members.

Four United States vocational universities, one in the East, the Middle West, the South and on the Pacific Coast, will be established in abandoned army cantonments by the veterans' bureau, under a new policy for the rehabilitation of former service men. Present plans call for the first university to start work within ninety days, with about 2,000 men in attendance. Courses will be offered in masonry, architecture, plumbing, printng, engraving, bookbinding, electrical work, carpentry, and steamfitting, and such agricultural lines as animal husbandry, dairying and forestry.

By recent order of the Federal Trade Commission, the Sealwood Company, St. Louis, Mo., distributors of "Sealwood," a substitute for shellac, are required to discontinue the giving of secret cash commissions to the employees of its customers to induce the purchase of its products. The firm admits the giving of the commissions and consents to the issuances of the order.

The Concrete Pipe Co. of Portland has purchased a 3-acre tract in Albina District, Portland, and will establish a plant for the manufacture of concrete pipe. Offices of the company are located in the Board of Trade Bldg., Portland. Officers of the company are: C. H. Bullen, Phil Easterday and C. Spies.

Turner Hardware & Implement Co. of Modesto is making extensive improvements to its quarters. Increased business warrants enlargement of electrical and hardware departments.

Ben Blow, for the past five years Manager of the Good Roads Bureau of the California State Automobile Association, will leave next week for Topeka, Kansas, where he will be manager of the Victory Highway Association, organized to improve a transcontinental route in honor of the American heroes of the World War.

The July-August issue of the Concrete Highway Magazine issued by the Portland Cement Ass'n., 111 West Washington St., Chicago, is off the press. The book contains an illustrated article by J. L. Travers, Secretary of the Imperial County Highway Commission, on the "Building of a Concrete Road System Below Sea Level." Copies will be sent on request.

Articles of incorporation have been filed for the Fidelity Guarantee Building Loan Association, a Berkeley concern with capitalization of $500,000. There are nine directors, seven of whom are from Berkeley. They are Everett M. Bee, San Francisco, A. Naglee Burk, Santa Clara, and C. A. Ferrin, John McCarthy, C. L. McFarland, J. L. McFarland, W. H. Ratcliffe and John W. Havens, all of Berkeley.

The California Redwood Association, 1921, Trade Extension Manual, is now available, published by Evans & Barnhill, Inc., New York. It gives the association's 1921 activities in a nutshell, showing the policies and objectives with proofs and charts presenting the advertising campaign in prospect.

Japan believes that the forthcoming world's disarmament conference will bring results and as a result is already planning to devote a tremendous amount of energy and capital to the construction of better homes, hotels, office buildings and schools, it was announced by D. Neens, director for Mitsubishi & Co., prior to his departure for the Orient. Accompanied by M. Higuchi, legal advisor for the company, and several expert engineers, Neens is returning to Japan with complete plans providing for the construction of the largest and most palatial office building in the Orient. The structure will be erected near the Central Railway station in Tokio and will cost $9,000,000.

Development of the Asphalt Industry in the United States

By PREVOST HUBBARD, Chemical Engineer, The Asphalt Association.

Prior to 1902 the term asphalt was confined almost exclusively to certain semi-solid or solid bitumens which were found in natural deposits most of which occurred in admixture with clay, silt or vegetation which could not be removed by ordinary refining methods. When the mineral matter predominated the product was termed asphaltic sand or rock asphalt, depending upon whether or not the mineral structure was loosely or firmly knit together. No appreciable tonnage of asphalt was used in this country until 1883, when about 35,000 tons were imported mainly from Trinidad and found its way into the paving industry. Prior to this, relatively small quantities of Trinidad asphalt and certain European rock asphalts or bituminous limestones had been used in the construction of pavements in a few American cities. As most of the European rock asphalts contain less than 15 per cent of asphalt proper, while the refined Trinidad asphalt uniformly carries about 56.5 per cent of bitumen they were eventually unable to successfully compete with the latter, and until 1892 Trinidad asphalt was used to such greater extent that, in most minds, the term asphalt came to mean Trinidad asphalt.

In 1892 a relatively pure asphalt deposit occurring in Venezuela and known as Bermudez Lake asphalt was exploited in small quantities and this product began to find its way into the United States, where it was also used in pavement construction. From this time on Trinidad asphalt was obliged to share honors with Bermudez asphalt, the importation of which gradually increased until at the present time it is nearly equal in tonnage to the Trinidad asphalt. Other foreign asphalts occurring in Venezuela, Cuba and elsewhere have appeared temporarily on the American market, but never in any great quantity. Large deposits of asphaltic sands and rock asphalt have been found in this country, but their development has been limited, as many are unsuited for present industrial purposes. Comparatively small deposits of very hard and nearly pure asphalt commonly known as Gilsonite, Uintaite, Grahamite and Wurtzilite have also been discovered in various part of the United States and have been found particularly well suited for the manufacture of asphalt specialties. Their combined available tonnage has, however, been so small that their use in the two main asphalt industries, paving and roofing, has been very limited.

Practically all native asphalt is too hard for direct use in the manufacture of asphalt products and after a simple refining process, which consists in heating the crude material until water, gas and other volatile material is driven off, it must be softened to suitable consistency by combining it with the proper amount of residual petroleum known as flux oil. Petroleum, therefore, always served as an important integral part of all asphalt used for industrial purposes. For many years it was believed, and it is now generally admitted that, all asphalt originates in petroleum.

The petroleum, first known and used in the United States, occurring in Pennsylvania, Ohio and Indiana, was of the paraffin type. When distilled to remove the more volatile constituents, this petroleum was found to yield a thick, greasy oil residue which in no way resembled asphalt except in color, but which proved quite satisfactoy for use as a flux. If distillation was carried further, this residual oil underwent certain chemical changes due to cracking of the hydrocarbon constituents and eventually coke remained in the still.

As early as 1865 it was known that bituminous material was susceptible to the action of certain oxidizing agents which caused the product to become more viscous, and in 1894 Francis X. Byerly was granted a patent for blowing air through petroleum residue when heated to between 400 and 600 degrees F. By this process it was found possible to produce a semi-solid residue which in some ways resembled the native asphalts but which, with the type of oil used was more or less cheesy in character and lacked the cementitiousness of the then known asphalts. This product was marketed as Byerlyte asphalt, but never found much favor in the paving industry because of the inferior results attending its use. It was found, however, that when so treated, residual oils from petroleum occurring in the Gulf section yielded a better grade of product than the more highly paraffin type of petroleum.

With the discovery and refining of California petroleum it was observed that when the residual oil was further distilled and before coke was formed, a semi-solid residue was produced which very closely resembled the native asphals. The original petroleum was, therefore, called asphaltic petroleum. The asphalt first manufactured from this type of petroleum proved to be of rather inferior quality, the cause of which was later shown to be due to the high temperatures required to drive off a sufficient amount of oil constituents to produce a semi-solid residue. At such temperatures the hydrocarbons began to crack up with the formation of undesirable decomposition products. Later it was found that if distillation was conducted with a copious amount of steam used to agitate the contents of the still, cracking could be largely prevented as the volatile products were removed at a much lower temperature. This discovery not only assured a large future supply of high grade asphalt from domestic sources, but conclusively proved that asphalt originates in certain petroleums; that it is actually held in solution in such petroleums; and that when recovered by suitable means it is essentially the same as certain native asphalts.

By 1902, petroleum asphalt was on the American market in appreciable quantities, about 20,000 tons being manufactured during that year. It found its way into the paving industry, where it was received on trial for a number of years until service over a considerable period of time demonstrated that it was equal yes good for paving work as the lake asphalts. By 1911 the [illegible] of asphalt produced from domestic petroleum exceeded the importation of Trinidad and Bermudez asphalt, and from that time on the production from [illegible] has grown rapidly.

In 1912 large quantities of Mexican petroleum found its way into the United States. This petroleum is highly asphaltic in character and when subjected to steam distillation yields a much higher percentage of asphalt than any petroleum found in the United States. About 100,000 tons of asphalt were produced in 1913 from this source, as compared with about 230,000 tons of imported native asphalt and over 400,000 tons of asphalt produced from domestic petroleum. This year showed the peak of importation of native asphalt which was at that time equal to only a little more than two-fifths of the total production from petroleum. From that time on there has been a general decline in importation of lake asphalt with a very rapid increase in asphalt distilled from petroleum.

The growth in asphalt tonnage from Mexican petroleum has been even more remarkable than from domestic petroleum, and since 1918 has exceeded the latter. Statistics of the U. S. Geological Survey for 1918*, which are the latest ones available, show the following.

	Tons.	Pct.
Asphalt from domestic petroleum	614,692	41.4%
Asphalt from Mexican petroleum	674,876	45.5%
Domestic native asphalt (bituminous rock)	53,589	3.6%
Other domestic native bituminous substances	34,692	2.3%
Asphalt imported from Trinidad and Tobago.	51,062	3.5%
Asphalt imported from Venezuela	47,309	3.2%
Other imported asphalts including bituminous rock	7,277	.5%
	1,483,497	100.0%
Asphalt exported from the United States..	40,208	
Approximate consumption of asphalt in United States	1,443,289	

NOTE:—This does not include manufactures of asphalt which are valued at approximately one-half the value of the tonnage of asphalt exported.

From this table it is seen that nearly 87 per cent of all asphalt produced by or imported into this country is obtained from the distillation of petroleum. If the mineral and other extraneous matter in rock asphalt and Trinidad and Bermudez asphalt is eliminated a conservative estimate would raise the proportion of petroleum asphalt to over 92 per cent of the total, leaving about 1.4 per cent Trinidad bitumen and 3.2 per cent Bermudez. The fact that the bitumen of lake asphalt now constitutes less than 5 per cent of the total asphalt consumed by the United States may be surprising to the many who have heretofore considered the lake asphalts as the most important.

The generally accepted definition of asphalt describing its consistency or hardness is that it is a semi-solid or solid. The principal test for consistency is known as the penetration test and is ordinarily made by determining the distance that a standard needle will penetrate a sample of asphalt when it is maintained at 25° C., the needle being loaded with a given weight and the load being applied for a given length of time. The depth

*Asphalts and Related Bitumens in 1919 by R. W. Cottrell.

which the needle penetrates is expressed in units of 0.1 mm. each. Unless otherwise indicated, the load is considered to be 100 grams and the time of application 5 seconds. There is no distinct line of demarcation between a fluid and a semi-solid, but the American Society for Testing Materials has adopted the following arbitrary definition which may serve as a rough division between asphalts and fluid residual petroleum products. "Liquid Bituminous Materials:—Those having a penetration at 25° C. (77° F.) under a load of 50 grams applied for 1 second of more than 350." Materials which under this test show a penetration of less than 350 but more than 10 when tested at the same temperature with a load of 100 grams for 5 seconds are classed as semi-solids. If the material shows a penetration of less than 10 when tested as last described it is called a solid. Road oils and some fluxes may be classed as liquids under these definitions and therefore not asphalts. The heavier and more viscous fluxes, however, would be classed as asphalts. The Geological Survey in its 1919 report has made no distinction between asphaltic materials with reference to use or consistency so that the figures previously quoted include some tonnage of what may be classed as liquid asphaltic products. In fact, such products are sometimes marketed under the name of liquid asphalt owing to the very high percentage of asphalt which is held in solution by the oily constituents which are present.

The highly asphaltic crude petroleums sometimes carry such a large proportion of asphalt that this product becomes of primary importance in refining. This is particularly true of Mexican petroleum from the heavier grades, of which over 70 per cent of asphalt of 100 penetration may be obtained by steam distillation. Heavy California asphalt may, by the same process, yield as high as 50 per cent of asphalt of the same penetration. From other domestic petroleums it is impracticable to commercially recover asphalt unless the blowing process is employed or the fluid residual petroleum is first subjected to a carefully controlled cracking process under pressure. In some cases, however, the other domestic crudes are utilized in the manufacture of asphalt by mixing them with Mexican crude before distillation.

In spite of the large tonnage of asphalt produced from domestic petroleum, its manufacture from this source constitutes only a very small part of the petroleum industry. The specific gravity of domestic petroleum asphalt averages about 1.01 or 8.4 pounds per gallon. On this basis the volume of domestic petroleum asphalt for 1919 amounts to about 146,000,000 gallons as against approximately 15,864,000,000 gallons of crude oil, or less than 1 per cent by volume of crude. Mexican oil asphalt averaging 1.04 specific gravity shows about 155,000,000 gallons for 1919 as against approximately 2,218,000,000 gallons of Mexican crude oil, or about 7 per cent. When it is considered that practically all Mexican petroleum is highly asphaltic in character, these figures show the possibility of increase in asphalt production from this source to be very great as the demand increases. At the present time an enormous quantity of asphalt present in crude petroleum and many times greater than the amount actually produced is not being recovered, but is burned as fuel oil.

Asphalt is the oldest waterproof adhesive known to man and since its production from petroleum has made it readily available in large quantities it has been adapted for a surprising number of industrial purposes. Of these the paving industry consumes ble consumption of asphalt of 190 penble consumption of asphalt of 100 penetration and less in pavement construction and maintenance during 1921 has been estimated by J. E. Pennybacker, secretary of the Asphalt Association, to be about 634,000 tons. To this may be added about 35,000 tons of flux necessary to soften the harder grades to suitable consistency, giving a grand total of 669,000 tons. Allowing 10 per cent for maintenance, this amount will be sufficient to construct about 60,000,000 square yards of asphalt pavement, or, on the basis of a 20-foot width, over 5,000 miles of such pavement.

In the consumption of asphalt, the roofing industry is a close second to the paving industry and together they consume probably 90 per cent of the entire asphalt output if road oils are not included. The development of the asphalt roofing industry to sizeable proportions has been more recent than the paving industry, but was given a great impetus during the late war period owing to the enormous demand for ready and prepared roofings. Herbert Abraham, chairman of the Technical Committee of the Prepared Roofing Association, estimates the present annual consumption of asphalt, including flux, by the roofing industry to be about 625,000 tons, equivalent to 28,375,000 squares of roofing. Figuring an average of about 10 squares to a dwelling, this amount is sufficient to cover more than 2,500,000 dwellings, or over 280,000,000 square yards of roof.

In addition to paving and roofing, there are a large number of industries which in the aggregate consume about 144,000 tons of asphalt. A considerable amount of this is used for waterproofing and flooring and lesser amounts for sheathing and insulating purposes. Asphalt also finds its way into the manufacture of considerable quantities of rubber goods, paints, varnishes, enamels and japans, and such specialties as anti-acid compounds, pipe dips, bituminous putty or cement, emulsions, moulding compositions, electrical insulating products, sealing compounds for storage batteries, wall boards and floor coverings.

In most finished products asphalt is used primarily as a binder or coating for body of the structure and constitutes but a fraction of the total weight of such products. Its use is therefore dependent upon the consumption of large quantities of other materials, the production of which represent industries dependent to a considerable extent upon the asphalt industry. Thus in pavement construction, considering only that portion of the pavement which is bound together with asphalt, an average of about 8 per cent of asphalt is used to bind 92 per cent of mineral aggregate. This represents an annual consumption of over 8,000,000 tons of broken stone, gravel and sand in pavement construction, including nearly 400,000 tons of pulverized limestone or Portland cement filler. The manufacture of asphalt roofings probably consumes in the neighborhood of 200,000 tons of felt and similar fabrics and 300,000 tons of mineral surfacing, such as talc, mica, silica, sand and crushed rock.

Without considering the various materials used in asphalt specialties a rough approximation of material annually consumed in the manufacture of asphalt products, including pavements, would be as follows:

	Tons.
Paving asphalts and fluxes...	669,000
Roofing asphalt and fluxes....	625,000
Asphalt for specialties.....	144,000
Total asphalt, not including road oils	1,438,000
Sand, gravel and crushed rock for paving	8,000,000
Mineral surfacing for roofing..	500,000
Felted and other fabrics for roofing	200,000
Grand total.....	9,938,000

JAPANESE TRADE AND ECONOMIC NOTES

[Prepared by the Far Eastern Division, Bureau of Foreign and Domestic Commerce, from translations of the Japanese Press submitted by Consul General George B. Scidmore, Yokohama, Japan.]

Japanese Cement Production

This year's output of cement in Japan is estimated at 11,000,000 casks against 7,850,000 casks last year. The domestic demand from January up to April showed little change as compared with the corresponding period of last year, but exports to foreign countries declined almost by half. Accordingly, the tendency is becoming all the more pronounced for stocks to increase. A conference of the producers was held in May to discuss combines, the fixing of prices, and the restriction of output.

Reported Discovery Affecting Aluminum Production in Japan

An important discovery, a new method of extracting aluminium from a certain mineral, which affects the future development of Japanese industry and the formulation of an established air policy of the Japanese government, is the result of the investigations which have been carried out by the experiment station on the production of aluminium and its compounds. A great refinery plant driven by electric power will be established at Yoyogi. A project is under contemplation to establish a semi-governmental company for the manufacture of aluminium by the new method, which consists in the electrical analysis of ore by Korean alum and other materials and enables the production of more than 99 per cent of aluminium.

Expected Further Depression in Japan's Trade

At the recent conference of the Japanese Commissioners of Customs the opinion expressed with regard to Japan's trade prospect for this year were summarized, the consensus giving an estimate of whole trade volume for the year at not more than 3,000,000,000 yen ($1,495,500,000), in both exports and imports, or an estimated decrease of 40 per cent compared with last year's total trade of 4,284,000,000 yen ($2,135,574,000). This decrease is due to the universal business depression; and the actual trade, in the opinion of some, may give a total even worse than the above estimate, from the fact that the total imports for three months ended March last are valued at only 607,306,000 yen ($302,742,041), only about half of that for the corresponding period last year, which was 1,348,640,000 yen ($672,297,040). Moreover, the depression in the market price of raw silk, cotton yarn, and cotton fabrics, which form the principal exports, and the slight hope for recovery in raw cotton and iron, make the prospect for this year's trade far from bright.

To prevent fires in motor vehicles an automatic sprinkler has been invented, to be mounted under a hood in such a position that it sprays the motor with a chemical solution when it becomes overheated and melts a fuse.

Building News Section

APARTMENT HOUSES

Contract Awarded.
APARTMENTS Cost, $500,000
OAKLAND, Alameda Co. Lake Merritt Dist.
Eight-story reinforced concrete apartments (40 apts., 5 and 6 rooms each).
Owner—P. A. Palmer, Monadnock Bldg., San Francisco.
Architect—Willis C. Lowe, Monadnock Bldg., San Francisco.
Contractor—Palmer & Petersen, Monadnock Bldg., San Francisco.
NOTE—Building will be equipped with every modern convenience.

Contract Awarded.
APARTMENTS Cost, $19,129
SAN FRANCISCO. E. Powell 68-6 North Bush.
Six-story and basement brick (34 apts.).
Owner—Edward Beck, 281 Lee Ave., Oakland.
Architect—M. V. Politeo, 1st Natl. Bank Bldg., San Francisco.
Contractor — I. M. Sommer, Balboa Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $20,000
PASO ROBLES, San Luis Obispo Co.
Reinforced concrete (9 apts.).
Owner—Name withheld.
Architect—Miller & Warnecke, Perry Bldg., Oakland.

Plans Being Prepared.
ALTERATIONS Cost, $5,000
OAKLAND, Alameda Co., Cal. No. 601 Oakland Avenue.
Alter residence into apartments.
Owner—Mrs. H. W. Jackson, Premises.
Architects—Miller & Warnecke, Perry Bldg., Oakland.

Segregated Figures to Be Taken Shortly.
APT. HOUSE Cost, $90,000
OAKLAND, Alameda Co. Wayne Ave. near Lake Merritt.
Three-story and basement frame and stucco apt. house (24 apts.).
Owner—Mrs. P. C. Renaud, 315 E. 19th St., Oakland.
Architects — Schinner, Bugbee Co., Thayer Bldg., Oakland.

Plans Being Prepared.
APARTMENTS Cost, $17,500
SAN FRANCISCO. West line Pierce N. of Lombard Street.
Two-story frame and plaster apartments and garage (4 4-room apts.)
Owner—Withheld.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.

Contracts Awarded.
APARTMENTS, ETC. Cost, $20,000
OAKLAND, Alameda Co., Cal. Seventh St. between Campbell and Willow Streets.
Two-story brick store and apartments.
Owner—Lekos Bros.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Segregated contracts awarded.
Excavating, Grading and Concrete Work, awarded to Jepsen Bros., Berkeley, $1350.
Brick Work—W. J. Baccus, Builders Exchange, Oakland, $5993.
Carpentry Work—A. J. McPhee, 2144 E-27th St., Oakland, $4850.
Steel—California Steel Co., Hobart Bldg., San Francisco, $630.
Plumbing and Sheet Metal Work—Adolph Feldheimer, Alameda, $1682.
Plastering—John Thomsen, Berkeley, $1800.
Painting—C. E. Irwin, 1732 California St., Berkeley, $694.
Electric Work—Harbor Electric Co., Oakland, $345.
Glass & Glazing—Cobbledick, Kibbe Glass Co., 175 Jessie St., San Francisco, $685.
Metal Bars—Kawneer Mfg. Co., 8th and Dwight Sts., Berkeley, $247.
Roofing—C. C. Williams, $216.
Tile Work—Rigney Tile Co., $1573.

LAKEPORT, Lake Co., Cal.—John D. Monroe, retired Lakeport merchant, has purchased the three-story brick office and store building, known as the Lakeview Building, and will remodel the third floor for rooms and apartments.

BANKS

Plans Being Figured—Bids Close Aug. 29, 1921.
BANK Cost, $15,000
LAKEPORT, Lake Co., Cal.
One-story and basement reinforced concrete bank.
Owner—Bank of Lake, Lakeport.
Architects—Morrow & Garren, Chronicle Bldg., San Francisco.
NOTE:—Bids are for general contract and bank fixtures.
Work includes plate glass, metal sash, reinforcing steel, etc.

Plans Being Prepared.
ALTERATIONS Cost, $40,000
SAN FRANCISCO. Market and Jones Sts.
Alter main floor and basement of building to be used as bank and safe deposit vaults.
Owner—Market and Jones Sts. Branch of Anglo-California Trust Co., San Francisco.
Architect—H. H. Winner Co., Humboldt Bank Bldg., San Francisco.
To be finished with mahogany and gold; marble counters, grilles, etc. For the present there will also be space for stores, but the bank will absorb this space for itself as needed.

To Be Done By Day's Work.
ALTER, ETC. Cost, $15,000
SAN FRANCISCO. 16th and Mission Sts.
Alter and add to present bank.
Owner—Anglo-California Trust Co., San Francisco.
Architect—H. H. Winner Co.
The bank will be doubled in size, with entirely new fixtures and marble work.

BONDS

MARTINEZ, Contra Costa Co., Cal.—An election will be held September 19 in the Briones Valley School District to vote bonds of $6000 to finance school improvement. Trustees of the District are: Albert Costa, M. F. Duarte and Joe E. Pereira.

STOCKTON, San Joaquin Co., Cal. Supervisors sell $12,000 bond issue of New Hope School District; proceeds of sale to finance construction of a new school building.

SANTA ROSA, Sonoma Co., Cal.—Until September 13, bids will be received by the Supervisors for the purchase of $6,500 bond issue of Canfield School District; proceeds of sale to finance school improvements.

REDDING, Shasta Co., Cal.—Until Sept. 19 directors of Happy Valley Irrigation District will receive bids for purchase of $100,000 bond issue; proceeds of sale to finance completion of Hoover tunnel and enlarging the canal in the valley.

MADERA, Madera Co., Cal.—State Bond Commission has validated $200,000 of the districts $29,000,000 bond issue, proceeds to be used for preliminary work.

SANTA CRUZ, Santa Cruz Co., Cal.—Until Sept. 6, bids will be received by County Supervisors for purchase of $46,000 bond issue of Soquel Union School District bonds; proceeds of sale to finance school improvements.

CHURCHES

LONG BEACH, Los Angeles Co., Cal.—A new financing plan has been adopted by the Immanuel Baptist church for raising $200,000 for the erection of a new church at Obispo Ave. and Eliot St., Long Beach, from plans prepared by Architect W. Horace Austin, 221 First Natl. Bank Bldg., Long Beach. Two stories containing 620 main floor seats, 296 gallery seats, and auditorium, women's parlor, kitchenette, study, reception room, five assembly rooms, banquet room and forty classrooms.

FACTORIES & WAREHOUSES

Preliminary Plans Being Prepared.
WAREHOUSE Cost, $——
LOS ANGELES, Los Angeles Co. Santa Monica Blvd. and Cahuenga Ave.
Reinforced concrete storage warehouse, 6 stories and basement, 60x100 ft.
Owner—Premier Fireproof Storage Co., Los Angeles, Cal.
Engineer—E. T. Flaherty, I. W. Hellman Bldg., Los Angeles, Cal.

Contract Awarded.
REPAIRS Cost, $10,000
SAN FRANCISCO, Cal. 12th St. bet. Howard and Mission Sts.
Repair fire damage.
Owner—Michelin Tire Co., premises.
Architect—None.
Contractor—Ward & Jones, 180 Jessie St., San Francisco.
Work will consist of glazing, electric work, painting, roofing, carpentry, etc.

Plans to be Prepared.
CREAMERY PLANT Cost, $——
SANTA ANA, Orange Co., Cal. First and Cedar Streets.
Creamery plant.
Owner—Excelsior Creamery Co., 101 N. Main St., Santa Ana.
Architect—Not Yet Selected.

Contract Awarded.
LOFT BLDG. Cost, $14,581
OAKLAND, Alameda Co., Cal. Franklin Street op. 17th St.
Two-story reinforced concrete loft building.
Owner—W. Wakefield.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—McGinty & Son, Berkeley.
Contract for elevators will be awarded later.

BAKERSFIELD, Kern Co., Cal.—The Di Giorgio Fruit Company has announced the impending construction of a large packing plant in the Weed Patch district, rich farming center of Kern county. The company intends also to construct suitable living quarters for its employes in that district, the total cost of the construction work being in the neighborhood of $1,000,000, according to S. A. Lines, general manager of the Earl Fruit Company, a subsidiary concern of the Di Giorgio corporation. Construction has been started so as to have the plant in operation next year.

FIREHOUSES AND JAILS

OAKLAND, Cal.—City Council appropriates $1126 for altering the first floor of fire engine house No. 4 in East 14th St. west of 13th Ave. Eugene K. Sturgis, City Clerk.

FLATS

Plans Being Figured.
FLATS $8000
SAN JOSE, Santa Clara Co. The Alameda.
Two-story frame flats (5 rooms).
Owner—A. H. Lloyd, San Jose.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Plans include wall beds, gas, steam heat and hardwood floors.

GARAGES

Contract Awarded.
ADDITION Cost, $4000
OAKLAND, Alameda Co. Broadway and Mather St.
One-story brick addition to auto sales building.
Owner—W. C. Morse.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—M. E. Hopper & Son.
NOTE—Contract for machine shop let on percentage basis.

Plans Being Prepared—Permit Applied For.
ADDITION Cost, $25,000
SAN FRANCISCO, San Francisco Co. Post and Taylor Sts.
Two-story and basement reinforced concrete addition to garage.
Owner—Musto Estate.
Architects—Meyer & Johnson, Bankers' Inv. Bldg., San Francisco.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—C. H. Townsend, 3256 Garfield avenue, Alameda, Cal., awarded contract by Supervising Architect, Treasury Department, to extend driveway at Alameda postoffice, at $1,415; work to be completed in 18 days.

WASHINGTON, D. C.—The following bids were received by the Supervising Architect, Treasury Department, for installing lighting fixtures in the U. S. public building at Honolulu, H. T.: item 1. Material and installation; 2, material only.

Beardslee Chandelier Mfg. Co., item 1, $12,111.65, March 1, 1922; 2, $10,998.50, January 1, 1922.

Cassidy Co., Inc., 101 Park Ave., New York city, item 1, $10,000, February 1; 2, $8500, December 1.

Edw. J. Schroeder Lamp Works, Jersey City N. J., item 1, $13,783.95; January 1, 1922.

The Simes Co., 22 W. 15th St., New York city, item 2, $8392, January 1, 1922.

Kayline Co., Cleveland, item 1, $7,500, March 1, 1922; 2, $6700, December 1.

F. Storsberg Co., Newark, N. J., item 1, $10,489, February 1; 2, $9237, December 1, 1921.

SAN FRANCISCO.—Until Aug. 27, 11 a. m., under Order No. 3253, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. wharf, Rio Vista, Solano county:

Thirty-six boiler feed pump valves in accordance with drawing 70A-17-433 to be made of cast bronze. Price bid will include cost of the pattern, which will become the property of the United States.

One gear, 34 teeth, 2¾-in. face, 14⅜-in. outside diameter, bored for 2-in. shaft with keyway ½-in.x¼-in., to be made of cast steel.

One pinion, 14 teeth, 2¾-in. face, 5½-in. outside diameter, bored for 1 7-16-in. shaft with keyway ⅜-in.x 3-16-in., to be made of cast steel.

One gear and pinion, same as above two items, combined and bored for 1¾-in. shaft with standard keyway, to be made of cast steel as per sketch which may be seen upon application at this office.

NOTE:—On the last three items date of delivery is an important factor and each bidder will state actual date on which shipment will be made; also price bid in each instance will include cost of the pattern, which will become the property of the United States.

36 boiler feed pump valves.
36 boiler feed pump valves.
1 gear 34T. 14⅜ in. outside diameter.
1 pinion 14T, ½5-in. outside diameter.
1 gear and pinion combined.

SAN FRANCISCO.—Until Sept. 3, 11 a. m., under Order No. 3241, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del., wharf, Rio Vista, Solano County, miscellaneous hardware and supplies. Specifications and blanks for bidding will be furnished on request.

SAN FRANCISCO.—Until Sept. 6, 11 a. m., under Order No. 3246, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del., wharf, Rio Vista, Solano County, culinary supplies. Specifications and blanks for bidding will be furnished on application.

SAN FRANCISCO—Until Sept. 1, 11 A. M., under Order No. 3240, bids will be received by U. S. Engineer Office, 240 Montgomery St., for furnishing and delivering f. o. b. wharf, Rio Vista, Solano County, miscellaneous hardware and supplies.

Bids will be received by Engineer Office on Sept. 2, 11 A. M., for furnishing and delivering same point, under Order No. 3242, miscellaneous sheet and steam packing, etc.

SAN FRANCISCO.—Until Sept. 6, 11 a. m., under Order No. 3243, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. wharf, Rio Vista, Solano Co.: 1 pc. improved plow steel wire rope, ¾ in., 2000 ft long, and 8 pcs. ⅞-in. 1000 ft. long, and 400 ft. wire rope ⅛-in. for use as bell cord in lever room on boat; rope to be made of hemp center, 6 strands, 19 or 25 wires to strand.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for furn and del. the following materials, the date for opening bids as noted at end of each paragraph:

Schedule 8633, various eastern and western yards, 253 regulators, September 2.

Schedule 8652, Puget Sound, 1100 gallons sperm oil, September 9.

Schedule 8654, various eastern and western yards, 126 sets drawing instruments, September 13.

Schedule 8655, Puget Sound, 2000 yds. cotton sheeting and 10,000 yds. cotton webbing, September 13.

Schedule 8656, various eastern and western yards, a miscellaneous quantity of rivet sets, September 13.

Schedule 8657, various eastern and western yards, a miscellaneous quantity of rubber air hose, September 16.

Schedule 8658, Mare Island, a miscellaneous quantity of pipe and pipe fittings, September 9.

Schedule 8663, Mare Island, 100,000 pounds pig iron, September 13.

Schedule 8866, various eastern and western yards, 77 ship's refrigerators, September 16.

Schedule 8668, various eastern and western yards, a miscellaneous quantity of hacksaw blades, September 16.

WASHINGTON, D. C.—The contract for constructing deep well at the U. S. appraiser's stores, San Francisco, has been awarded to J. D. Rogers, 110 Sutter St., San Francisco, at $4125; time for completion, 120 days.

GLOBE, Ariz.—W. D. Lovell, Minneapolis, Minn., submitted the lowest bid at $94,880 for all work complete for the erection of a brick and concrete post office and court house building at Globe, Ariz. Other bids received by the Supervising Architect, Washington, D. C., were: Hillard & Pierce, N. Y., $96,284; J. H. Wiese, Omaha, $117,720; Wm. McDonald, St. Louis, $119,738, and Jas. W. Martin, Phoenix, $124,000.

WASHINGTON, D. C.—Following is a list of prospective bidders for Government projects in this territory:

Pearl Harbor, erection of steel work for machine shop. Bids to be opened September 21; specification 4464:

Shoemaker—Satterthwait Bridge Co., Pottstown, Pa.

Frandsen Construction Co., Garrick Bldg., Chicago.

T. & W. Construction Co., 135 William St., New York city.

McClintic - Marshall Co., Munsey Bldg., Washington.

Donnell-Zane Co., Woolworth Bldg., New York city.

Penn Bridge Co., 4029 4th Ave., Beaver Falls, Pa.

Bethlehem Fabricators, Inc., Bethlehem, Pa.

American Bridge Co., Wilkins Bldg., Washington.

Puget Sound, Wash., and South Boston, 50-ton steam locomotive jib cranes. Bids to be opened September 7. Specification 4478:

Link Belt Co., Nicetown, Philadelphia.

Variety Iron and Steel Works Co., 1277 E. 40th St., Cleveland, Ohio.

Penn Bridge Co., Beaver Falls, Pa.

Clyde Iron Works, 141 Center St., New York city.

McMyler Interstate Co., Bedford, Ohio.

Brown Hoisting Machine Co., 4403 St. Clair Ave., Cleveland.
Industrial Works, Bay City, Mich.
American Hoist & Derrick Co., St. Paul, Minn.
F. E. Gillmore, 13817 Woodworth Rd., Cleveland.
Terry Mfg. Co., Grand Central Term., New York city.
General Electric Co., Schenectady, N. Y.
American Bridge Co., Wilkins Bldg., Washington.
San Diego, Calif., extension to quay wall. Bids to be opened September 7. Specification 4434:
Phoenix Construction Co, 41 Park Row, New York city.
San Diego, Calif., dredging and filling. Bids to be opened September 7. Specification 4485:
Penn Bridge Co., 4029 4th Ave., Beaver Falls, Pa.
Ellicott Machine Corp., 1111 Brush St., Baltimore.
San Diego, Calif., boiler plant equipment. Date for opening bids not set. Specification 4494:
G. E. Engineering Co., 449 W. 42d St., New York city.
Buffalo Steam Pump Co., Buffalo, N. Y.

SAN FRANCISCO—Until Sept. 1, 11 A. M., under Order No. 3249, bids will be received by U. S. Engineer Office, 240 Montgomery St., for furnishing and delivering, wharf Rio Vista, Solano County: 1,000 pcs. 3x4-in. by 12 ft., 300 pcs. 3x4-in. by 14-ft. and 200 pcs. 2x12-in. by 12-ft. redwood, merchantable rough and 200 lin. ft. 6x6-in. No. 2 common, Oregon pine.

SAN FRANCISCO.—Until Sept. 7, 10 a. m., under Circular No. 22-16, bids will be received by Quartermaster Supply Officer, Fort Mason, for fur. and del. galv. bushings, fuses, pressure gauges, tinners' hammers, upholsterers' nails, hand oil pumps, por. lamp receptacles, push button and knife switches, galv. pipe unions, blow-off valves, brass and copper wire, etc.

HALLS AND SOCIETY BUILDINGS

Bids to be Called Shortly.
LODGE HALL, ETC. Cost, $——
TULARE, Tulare Co., Cal. Tulare & L Streets.
One-story lodge hall, $40,000 or two-story stores, offices and lodge rooms, $68,000.
Owner—Masonic Lodge of Tulare.
Architect—J. R. Henderson, Tulare.
It has not been determined whether to erect a one or two-story building. A meeting will be called in the immediate future to decide this question, following which bids will be asked.

Plans to Be Prepared.
LODGE BLDG. Cost, $150,000
WHITTIER, Los Angeles Co. College St. and Greenleaf Ave.
Three-story brick lodge building.
Owner—Whittier Elks' Lodge, c/o J. Linkletter.
Architect—Not selected.

To be Done by Day's Work.
CLUB HOUSE Cost, $——
BURBANK, Los Angeles Co., Cal.
Hollow tile and plaster club house, 190x190 ft.
Owner—Sunset Canyon Country Club, E. G. Judah, President.
Architect—H. H. Whiteley, 520 S. Western Ave., Los Angeles.
NOTE:—Tile and composition roof, hardwood floors and trim, ballroom, card rooms, dining rooms, locker rooms swimming pool, 40x100 ft., golf course, garages, kitchen, equipment and dormitory.

HANFORD, Kings Co., Cal.—Hanford Post, No. 3, American Legion, is planning construction of a $25,000 club house at Eighth and Phillips streets. Wm. T. Lynch is chairman of the building committee which is outlining plans for a campaign for funds.

HOTELS

Working Drawings Under Way.
HOTEL Cost, $70,000
SAN LUIS OBISPO, Cal.
Two-story frame and stucco hotel (32 rooms and 32 bathrooms).
Owner—S. Leggett, San Luis Obispo.
Architects—Miller & Warnecke, Perry Bldg., Oakland.

Contract Awarded.
HOTEL, STORE BLDG. Cost, $110,000
GILROY, Santa Clara Co.
Reinforced concrete hotel and store building.
Owner—George Milias, Gilroy.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Supt. of Constr.—James Patterson, San Jose.
Lumber contract to Whitehurst & Hodges, Gilroy.
Cement to H. Hecker Co., Gilroy.
Reinforced steel to Gunn Carle Co., San Francisco.
Contracts will be awarded as work progresses.

PUBLIC BUILDINGS

Plans Being Prepared.
Aquarium Cost, $——
SAN FRANCISCO. Golden Gate Park.
One-story reinforced concrete (Steinhart) Aquarium.
Owner—City of San Francisco.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Plans Being Prepared.
AUDITORIUM Cost, $——
SAN BERNARDINO, San Bernardino County.
Reinforced concrete municipal auditorium, 120x100 ft.; foyer 70x40 ft., and committee rooms.
Owner—City of San Bernardino.
Architect — Howard E. Jones, Katz Bldg., San Bernardino.

Plans Being Prepared.
CITY HALL BLDG. Cost, $75,000
ANAHEIM, Orange Co., Cal.
City Hall bldg.
Owner—City of Anaheim.
Associate Architect—M. Eugene Durfee and Theo. C. Kistner, Cason Bldg., Anaheim.

ALAMEDA, Alameda Co., Cal.—Until Sept. 6, 8 p. m., bids will be received by W. E. Varcoe, City Clerk, for constructing a baseball back-stop at Washington Park. Certified check 20% payable to city required with each bid. Specifications on file in office of City Clerk.

WATSONVILE, Santa Cruz Co., Cal.—City Engineer H. B. Kitchen instructed to prepare plans for alterations in city clerk's office; estimated cost of work, $530.

WATSONVILLE, Santa Cruz Co., Cal.—City Clerk M. M. Swisher instructed to call bids for painting the city auditorium. Bids will be taken for application of paint with compressed air machine and brush. Bids will probably be opened Sept. 6.

RESIDENCES

To Be Done by Day Labor.
RESIDENCE Cost, $3000-$4000
SAN FRANCISCO, Cal. Vicinity of Wawona and Ulloa Aves.
Seven 1-story and basement frame residences.
Owner—Fernando Nelson & Sons., West Portal Park, San Francisco.
Architect—Plans by Owners.

Preliminary Plans Being Prepared.
RESIDENCE Cost, $10,000
PASO ROBLES, San Luis Obispo Co.
One-story frame and stucco residence.
Owner—Fred Cummings, Paso Robles.
Architect—Miller & Warnecke, Perry Bldg., Oakland.

Plans Being Figured.
RESIDENCE Cost, $5000
PASO ROBLES, San Luis Obispo Co.
One-story 6-room frame residence.
Owner—J. Goulding, Paso Robles.
Architect — Miller & Warnecke, Perry Bldg., Oakland.

Figures to Be Taken Shortly.
BUNGALOW Cost, $8000
SAN JOSE, Santa Clara Co. Auzerais Ave.
One-story 6-room bungalow, terra cotta tile roof.
Owner—H. A. Harns, San Jose.
Architects—Wolfe & Higgins, Auzerais Bldg, San Jose.

Contract Awarded.
DWELLING Cost, $7777
PIEDMONT, Alameda Co., Cal.
One-story 6-room dwelling.
Owner—Chas. W. Fore, 444 Mountain Ave., Piedmont.
Architects—Schirmer Bugbee Company, Thayer Bldg., Oakland.
Contractor—Alfred Peterson, 1068 65th St., Oakland.

Plans Being Figured.
RESIDENCE Cost, $12,000
OAKLAND, Alameda Co., Cal. Lakeshore Highlands.
Two-story frame and stucco residence.
Owner—A. W. Gorrill, 741 Lakeshore Ave., Oakland.
Architects—Schirmer Bugbee Company, Thayer Bldg., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $15,000
SAN FRANCISCO. St. Francis Wood.
Two-story residence (Colonial).
Owner—A. Chansler.
Architect—Walter Falch, Hearst Bldg.

Contract Awarded.
RESIDENCE, ETC. Cost, $11,850
ALAMEDA, Alameda Co., Cal. Sherman Street.
Two-story and basement frame residence and garage.
Owner—Mrs. J. M. Sandoe, 1427 Mound St., Alameda.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor—Connor & Connor, 1907 Virginia St., Berkeley.

Plans Being Prepared.
RESIDENCE, ETC. Cost, $10,500
BERKELEY, Alameda Co., Cal. Cedar and Euclid Streets.
Two-story and basement frame and stucco residence and garage.
Owner—C. A. Kingsley.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.

SCHOOLS

Contract Awarded.
SCHOOLS Cost, $6,771
BAKERSFIELD, Kern Co., Cal.
Erection of two frame school houses.
Owner—Miller School District, W. H. Bemis, Clerk.
Architect — J. M. Saffell, 924 19th St., Bakersfield.
Contractor—C. H. Grigsley & Brother, Bakersfield.
Other bidders were: Wm. Eissler, Bakersfield, $7,300; D. Stasling, Bakersfield, $7,496; F. H. Dequien, Shafter, $7,050; Danis & Voos, Lemoore, $6,772.

Contract Awarded.
SCHOOL BUILDING Cost, $4700
SAN JOSE, Santa Clara Co. E Lincoln Ave S of Minnesota.
1-story frame school building.
Owner—Willow Glen School District.
Architect—Wolff & Higgins, Auzerais Bldg., San Jose.
Contractor—C. F. Keesling, Coe Ave., San Jose.

Plans Being Prepared.
SCHOOL BLDG. Cost, $25,000
HOPLAND, Mendocino Co.
One-story concrete school.
Owner—Hopland School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
A bond election will be held shortly.

Plans Being Prepared.
SCHOOL $12,000
GILROY, Santa Clara Co., near Gilroy.
One-story frame and plaster school (3 rooms).
Owner—Madrone School District.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Figures will be called for in about two weeks for a general contract.

Figures to Be Taken Shortly.
SCHOOL $60,000
LOS ANGELES, 12th St. West of Valencia St.
Two-story and basement brickk school and community building, 50x120 (gymnasium, etc.).
Owner—Sinai Congregation.
Architect—Edelman & Burnett, 826 H. W. Hellman Bldg., Los Angeles.

Contract Awarded.
GYMNASIUM Cost, $21,678.70
VENTURA, Ventura Co., Cal.
Frame gymnasium.
Owner—Ventura High School, Ventura
Architect—Alfred F. Priest, 618 Fay Bldg., Los Angeles.
Contractor—L. C. Rudolph, Ventura.

Plans Being Figured.
FOUNDATIONS Cost, $——
LOS ANGELES, L. A. Co. Pico St. bet. Ardmore Ave. and Harvard Blvd.
Concrete foundations for Class A school bldg. 242x130 with auditorium wing 120x50.
Owner—Roman Catholic Bishop of Monterey and Los Angeles Diocese.
Architect—Albert C. Martin, 430 Higgins Bldg., Los Angeles.

Contract Awarded.
SCHOOL BLDG. Cost, $5,671
FRESNO, Fresno Co., Cal. Caruthers School District.
High school farm mechanics building.
Owner—Board of Trustees Caruthers Union High School District.
Architect—Ernest J. Kump Co., Rowell Bldg., Fresno.
Contractor—Louis Cereghino & Son.

Contract Awarded.
SCHOOL Cost, $6,500
COURTLAND, Sacramento Co., Cal.
Oriental grammar school.
Owner—Courtland Grammar School District.
Architect—F. A. S. Foale, Ochsner Bldg., Sacramento.
Contractor — McLeran & Co., Hearst Bldg., San Francisco.

Contract Awarded.
SCHOOL BLDGS. Cost, $153,000
MILTON, Oregon.
Group of school buildings, including gymnasium, industrial arts and administration building.
Owner—Milton Union High School District.
Architect—Raymond W. Hatch, Pendleton, Ore.
Contractor—George Schreiner, Walla Walla, Wash.
NOTE:—Rushlight & Hastorf, Portland, have been awarded the plumbing and heating contract.

Plans Being Figured.
Bids Close Aug. 29, 1921, 5 P. M.
ADDITION Cost, $18,000
ESCALON, San Joaquin Co., Cal.
One-story 4-room brick and frame school addition.
Owner—Escalon Grammar School Dist.
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Figures will be taken for a general contract.

Bonds Voted.
SCHOOL BLDGS. Cost, $200,000
SAN JOSE, Santa Clara Co. Campbell Dist., near San Jose.
Group of school buildings.
Owner—Campbell School District, San Jose.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Complete.
STUDENTS' BLDG. Cost, $500,000
BERKELEY, Alameda Co. South of Sather Tower.
Four-story and basement reinforced concrete, plaster exterior, students' nuion bldg.; largest dimension 213 x 133. Irregular.
Owner—University of Calif. Regents, Berkeley.
Architect—John Galen Howard, First Natl. Bank Bldg., San Francisco.
NOTE—Plans will be figured when labor situation is more favorable. This building is to be known as Henry Morse Stephens Hall.

Contract Awarded.
GYMNASIUM Cost, $66,700
OAKLAND, Cal. 49th and Broadway.
Girl's gymnasium.
Owner—Oakland Board of Education.
Architect—C. W. Dickey, 359 12th St., Oakland.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
NOTE—Contracts were also let for lathing and plastering to Geo. Dickson, 541 Apgar St., Oakland, at $5869; electrical work to Roberts Mfg. Co., 324 12th St., Oakland, at $5350; steel lockers to Berger Mfg. Co., 1120 Mission St., San Francisco, at $2553.

Contract Awarded.
SHOP BLDG. Cost, $9,773
EASTON, Fresno Co., Calif.
Machine shop and 2 classroom building.
Owner — Washington Union High School District, J. A. Poytress, Clerk.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Allen & Martin, 1252 P St., Fresno, Calif.
Other bidders were:
Howard Dickey, 150 Howard St., Fresno $10,430
J. B. Hart, 1225 Broadway, Fresno 10,499
H. E. Miller, Fresno 10,644
Cereghino & Son, San Francisco 12,500

Plans Being Figured—Bids Close September 23.
ADDITION, ETC. Cost, $——
GILROY, Santa Clara Co.
One-story frame and plaster addition (3 rooms) and alterations to old building.
Owner—Madrone School District.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.

Plumbing and Heating Contract Awarded.
SCHOOL Cost, $3114
BURLINGAME, San Mateo Co., Cal.
One-story frame and plaster 5-room school building.
Owner—Burlingame School District. (Pershing School.)
Architect—Ernest L. Norberg, Bankers' Investment Bldg., San Francisco.
Contractor—W. T. Hickey, S. F.

Plans to Be Prepared.
SCHOOL BLDG. Cost, $100,000
SAN BERNARDINO, San Bernardino County.
Parochial school building.
Owner—St. Bernardine de Sierra Parish, San Bernardino.
Architect—Not selected.

Contract Awarded.
GYMNASIUM Cost, $21,678.70
VENTURA, Ventura Co., Cal.
Frame and plaster gymnasium.
Owner—Ventura High School Dist., Ventura, Cal.
Architect—Alfred F. Priest, Fay Bldg., Ventura, Cal.
Contractor—L. C. Rudolph, Ventura.

Plans Being Figured.
GYM. & AUDITORIUM Cost, $12,000
BOONVILLE, Mendocino Co., Cal.
One-story frame gym. and auditorium.
Owner—Boonville High School Dist.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.

Plans Being Figured.
SCHOOL Cost, $25,000
SANTA ROSA, Sonoma Co., Cal. Roseland School District.
One-story frame and stucco school (4 rooms and auditorium).
Owner—Roseland School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

Plans Awaiting Approval.
CLASSROOMS, ETC. Cost, $370,000
SAN FRANCISCO. Valencia St. between 23rd and 24th.
Reinforced concrete, 23 classrooms, school auditorium seating 550.
Owner—City and County of San Francisco (Horace Mann School).
Architect—John Reid, Jr., City Architect, First Natl. Bank Bldg., San Francisco.

Plans Being Figured.
Bids Close 9 a. m., Sept. 7.
SCHOOL Cost, $——
LOS ANGELES, Los Angeles Co. Utah and Kearney Sts.
Two-story brick school, 9 classrooms, auditorium and teachers' rooms.
Owner—Board of Education, Los Angeles.
Architect—Albert C. Martin, 430 Higgins Bldg., Los Angeles.
Separate bids taken on general work—plumbing, heating, painting and electrical work.

Contract Awarded.
SCHOOL Cost, $31,019
PLACENTIA, Orange Co., Cal.
Hollow tile school building.
Owner—Placentia-Richfield School Dist
Architect—Arthur W. Angel, 5521 Central Ave., Los Angeles.
Contractor—J. F. Kobler, 918 W-8th St., Los Angeles.

Contracts Awarded.

SCHOOL Cost, $——

SANTA CLARA, Santa Clara Co., Cal. One and two-story reinforced concrete high school.

Owner—Santa Clara High School Dist.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Masonry awarded to Paul Messner, 180 Jessie St., San Francisco, $12,945.

Electrical Work—Watts Electric Co., 133 4th St., San Francisco, $5450.

Plumbing—A. E. Roll, Santa Clara, $5727.

Heating & Ventilating—Carl T. Doell, 467 21st St., Oakland, $11,717.

Sheet Metal Work—Christenson & Anderson, Palo Alto, $3195.

Painting—D. Zelinsky & Sons, 422 Turk St., San Francisco, $5700.

Composition Roofing — Fibrestone & Roofing Co., 199 10th St., San Francisco, $1650.

Terra Cotta Tile Roof — Richmond Roofing Co., 325 16th St., Richmond $5895.

Electric Clock—Pacific Electric Clock Co., Wells Fargo Bldg., San Francisco, $1095.

Plans Being Refigured—Bids Close Sept. 10.

SCHOOL Cost, $75,000

LOMPOC, Santa Barbara Co.

Hollow tile, 9-room school.

Owner—Lompoc School District.

Architect—R. C. Farrell, 444 I. W. Hellman Bldg., Los Angeles.

Bids have been rejected and new bids called for.

Plans Being Figured—Bids Close September 7.

SCHOOL Cost, $——

LOS ANGELES, Los Angeles Co. Buchanan St.

Reinforced concrete and brick school.

Owner—Los Angeles Board of Education.

Architects—Montgomery & Nibecker, 622 Story Bldg., Los Angeles.

Building is to have 8 classrooms, Concr. found., reinf. concr, retaining walls, brick construction, plastered exterior, tile and comp. roof, pine trim, maple fls., sliding partitions, marble lavatories, vacuum steam heating. Plans may be obtained at the office of the Secretary, 730 Security Bldg., Los Angeles. Bids will be taken separately on the general contract—plumbing, painting, heating and wiring.

Contract Awarded.

SCHOOL Cost, $3850

SANTA ROSA, Sonoma Co., Cal.

Construction of 1-room frame school.

Owner—Wallace School District.

Architect — Wm. Herbert, City Hall, Santa Rosa, Cal.

Contractors—Adams & King, Santa Rosa, Cal.

Other bidders were:

Geo. Reilly, Santa Rosa.....$4995

W. J. Meeker, Santa Rosa..... 4598

Contract Awarded.

TOILET SYSTEM Cost, $2509

SAN LORENZO, Alameda Co.

New toilet system.

Owner—San Lorenzo School District. R. P. King, Clerk of Board of Trustees.

Architect—Carl I. Warnecke, 414 13th St., Oakland.

Contractor—W. H. Graham, 355 12th St., Oakland.

Other bidders were: Carl T. Doell, $2541; Scott Co., $3289.

HANFORD, Kings Co., Cal.—Until Aug. 31, 8 p. m., bids will be received by G. W. Armstead, Secretary, Hanford Union High School District, for excavating and grading a portion of the high school grounds. Certified check 10% required with each bid. Specifications on file in office of secretary.

SANTA CLARA, Santa Clara Co., Cal. —The following bids were received on August 22nd by the Trustees of the Santa Clara High School District for the following portions of the work in connection with the construction of a one and two-story reinforced concrete High School Building. Plans were prepared by Architect W. H. Weeks, 75 Post Street, San Francisco.

Masonry Work

Hock & Hoffmeyer
Prop (1) $16,285; (2) $17,985; (3) $950

Florent Gardesier
(1) $15,248; (2) $——; (3) $1250

N. Anderson
(1) $17,976; (2) $17,895; (3) $850.

Paul Messner (low)
(1) $11,295; (2) $12,625; (3) $1650.

Fiberstone

Fiberstone Roofing Co.....$550

Roofing

	Comp.	T. C
Bender Roofing Co.....$1223		
Fiberstone Roofing Co..	1100	$5930
Gladding, McBean	——	6325
Richmond Roofing Co...	1160	5895
United Material Co.....	——	6200

Fiberstone Roofing Co. low on composition roofing and Richmond Roofing Co. low on terra cotta.

Electrical Work

Watts Electrical Co. Prop. (1)...$5450
(2) deduct $680; (3) add $1190.

M. E. Ryan (1) $5980
(2) $600; (3) $200.

San Jose Electric Co. (1) $7940
(2) $——; (3) $——.

H. C. Reed & Co. (1).....$7534
(2) $500; (3) $225.

Century Electric Co. (1).....$6542
(2) $522; (3) $177.

Turner Co. (1) $7,800
(2) $683; (3) $250.

Plumbing

August Roll, Santa Clara (low)..$5974
Turner Co. 7120
E. Studer 7700
Carl Doell 6955
Scott Company 7037
Christenson & Anderson..... 7790

Heating and Ventilating

Carl T. Doell (low).....$10,797
(2) add for oil burner, $920.

Scott Company $11,720
(2) $895.

F. Studer $14,382
(2) $800.

Robert Dalziel Jr.....$13,447
(2) $777.

Turner Company $13,220
(2) $1080.

Sheet Metal Work

Christensen & Anderson (low)...$3195
Garden City Metal Works..... 3500
Guilloy Cornice Works..... 3649
W. Heidt 3622
Forderer Cornice Works..... 3723

Painting

D. Zelinsky & Sons (low) $5700
(2) deduct, $210.

R. Zelinsky $6180
(2) $380.

William Loos $6845
(2) $245.

Zebb Knott $7390
(2) $700.

J. P. Jarman.....$8500
(2) $450.

All bids were taken under advisement.

STOCKTON, San Joaquin Co., Cal.—The following bids were received on August 13th by the Trustees of the Everett School District for the construction of a new school building; plans were prepared by Architect Chas. H. Young, Commercial and Savings Bang Bldg, Stockton: Low bidders:

1. Carpentry, labor and lumber, Samuel Eyre, Tracy, $4250.

(2) Excavating, concrete and tile work, C. H. Miller, Stockton: Tile walls, $3192.75; brick walls, $3527.45; Remillard brick, $3825.45.

(3) Plastering inside and out, Chas. Terranova, San Francisco, $2300.

(4) Painting and tinting, Garrow & Capp, Stockton, $611.

(5) Slate blackboards, C. F. Webber, San Francisco, $297.

(6) Plumbing and sheet metal, Miller & Hayes, Stockton, $1250.

Electrical work, Edison Electrical Store, Stockton, $170.

(8) Roofing, Simpson Gray, Stockton: Vulcanite roofing, $651.22; slate roofing, $316.71.

Figures taken under advisement.

SEATTLE, Wash. — Western Construction Co., Seaboard Bldg., Seattle, at $89,316, awarded contract for 3-story reinforced concrete, 12-room addition to McDonald school at East 54th and Latona avenue. F. A. Naramore, City School Architect.

FRESNO, Fresno Co., Cal.—Until Aug. 30, 5 p. m., bids will be received by L. L. Smith, Secretary, Board of Education, 2525 Tuolumne street, Fresno, for furnishing stage curtains, curtains for office and library, library shelving and furniture and moving picture machine complete. Specifications on file in office of clerk.

REEDLEY, Fresno Co., Cal.—B. A. Newman Co., 1927 Merced street, Fresno, at $2,612, awarded contract for plumbing and sewering for Fink Grammar school building at Reedley. (Great Western Union School District.) Other bidders were:

Reedley Plumbing and Electric Co., Reedley, $2720; Kingsburg Plumbing Co., Kingsburg, $2725; C. T. Doel, Oakland, $2699; Valley Plumbing Co., Reedley, $2730; L. L. Brown, Reedley, $2694.

Reedley Electric Works, Reedley, at $1,325, awarded contract for electric work. Other bidders were:

Electric Construction Co., Reedley, $1437; Valley Electrical and Supply Co., Fresno, $1842; Curry Electric Co., Dinuba, $1400.

Plans for the structure were prepared by Architect Anton Johnson, Kingsburg Bank Bldg., Kingsburg.

MODESTO, Stanislaus Co., Cal.—Until August 29, 7:30 P. M., bids will be received by Kathleen G. Prewett, Secretary of the Board of Education, for alterations to the Washington School building. Certified check for 5% payable to the President of the Board of Education required with each bid. Specifications on file in office of the Secretary.

BERKELEY, Alameda Co., Cal.—Until August 30, 4 P. M., bids will be received by Clyde E. Blanchard, Secretary of the Board of Education, 2133 Allston Way, Berkeley, for the wiring and installation of lighting fixtures for the new Garfield Intermediate School, situated on Rose and Josephine Streets, and the new Lincoln Grammar School, at Prince and King Sts.

Specifications on file in the office of the Board of Education and may also be obtained from Architect Wm. C. Hays, 1325 First National Bank Bldg., San Francisco, on deposit of $10, returnable.

BERKELEY, Alameda Co., Cal.—Until August 30, 4 P. M., bids will be received by Clyde E. Blanchard, Secretary of the Board of Education, 2133 Allston Way, Berkeley, for wiring and installation of lighting fixtures for the Berkeley High School, situated on Allston Way and Grove street, Berkeley.

Specifications on file in the office of the Board of Education and may also be obtained from Architect Wm. C. Hays, 1325 First National Bank Bldg., San Francisco, on deposit of $10, returnable.

SAN FRANCISCO. — The time for opening bids for the heating and ventilating system for the Emerson school, now under construction in Pine street between Scott and Divisadero streets, has been extended by the Board of Public Works to September 14. Estimated cost, $10,000; bond of $2,500 required of successful bidder. Plans may be had from Bureau of Architecture, second floor, City Hall.

BERKELEY, Alameda Co., Cal.—Until August 30, 4 P. M., bids will be received by Clyde E. Blanchard, Secretary of the Board of Education, 2133 Allston Way, Berkeley, for painting of the exterior of the Oxford Grammar School situated on Oxford and Eunice Streets.

Specifications on file in the office of the Board of Education and may also be obtained from Architect Wm. C. Hays, 1325 First National Bank Bldg., San Francisco, on deposit of $10, returnable.

BERKELEY, Alameda Co., Cal.—Until August 30, 4 P. M., bids will be received by Clyde E. Blanchard, Secretary of the Board of Education, 2133 Allston Way, Berkeley, for wiring and installation of an electric clock, program bell and fire alarm system for the new Garfield Intermediate School, situated on Rose and Josephine Sts., and the new Lincoln School, situated at Prince and King Streets.

Specifications on file in the office of the Board of Education and may also be obtained from Architect Wm. C. Hays, 1325 First National Bank Bldg., San Francisco, on deposit of $10, returnable.

LOS ANGELES, Cal.—Architect T. Franklin Power, 307 Tajo Bldg., Los Angeles, is preparing plans for a group of buildings for Blessed Sacrament School and Church at Sunset boulevard, Selma, Castle and Las Palmas avenues. The buildings to be erected will include a 2-story 12-room school; convent to house 16 Sisters, rectory, auditorium to seat 800 people, and a church to accommodate 1200. The buildings will have reinforced concrete frames, hollow tile filler walls, stucco exterior finish, composition and clay tile roofing, tile, cement and wood floors, heating and ventilating, etc. Estimated cost, $300,000.

WOODLAND, Yolo Co., Cal.—Until Sept. 30, 10 a. m., bids will be received by C. L. Musgrave, Clerk, Cache Creek School District, for constructing addition to Cache Creek school. Certified check 10% payable to clerk required. Specifications on file in office of County Superintendent of Schools at Woodland.

SEATTLE, WASH.—King Plumbing & Heating Co., Seattle, at $134,156 on Alt. 1; $126,689 on Alt. 2 and $134,256 on Alt. 3, submits lowest bid to School District No. 1, for heating system in Roosevelt High School now under construction. NePage McKenny Co., Seattle, at $33,350 were low for electric work and Dupar-Blythe Co., 712 Pike St., Seattle, low on plumbing at approx. $50,000. Rueben W. Jones, Central Bldg., Seattle, is secretary of the District. F. A. Naramore is City School Architect.

SANTA ROSA, Sonoma Co., Cal.—Until Sept. 26, 11 a. m., bids will be received by Sarah N. Hatch, secretary, Santa Rosa City School District, for constructing brick wall for fireproofing boiler room in Santa Rosa high school. Plans may be obtained from Architect William Herbert, city hall, Santa Rosa, on deposit of $5, returnable.

HANFORD, Kings Co., Cal.—Following bids were received by the Board of Education for furnishing and installing equipment for school building:

Chairs (teachers' revolving)—Horton Furniture Co., $12.50, $14; Rucker, Fuller & Co., $15.50, $17; C. F. Webber & Co., $13.50, $11.50; A. Carlisle & Co., $23.60; Kutner-Goldstein Co., $12.

Chairs (Vienna)—Horton Furniture Co., $4.25, $3.75; Rucker, Fuller & Co., $5.40; C. F. Webber & Co., $4.

Chairs (Tablet)—Horton Furniture Co., $10.50, $7.50; Rucker, Fuller & Co., $15.40; C. F. Webber & Co., $7, $6.90.

School Desks— Horton Furniture Co., $11.75, $12; Rucker, Fuller & Co., $12.80; C. F. Webber & Co., $12,25, $13.50.

Opera chairs—Horton Furniture Co., $6.40, $6.75; Rucker, Fuller & Co., $7.40, $6.90; C. F. Webber & Co., $6.50.

Letter cabinets — Rucker, Fuller Sales Co., $42, $50; C. F. Webber & Co., $60, $100; A. Carlisle & Co., $44.50; Cunningham, Curtis & Welch Co., $62.50.

Legal cabinets—Rucker, Fuller Sales Co., $47, $55; C. F. Webber & Co., $70; A. Carlisle & Co., $51.50; Cunningham, Curtis & Welch Co., $73.70.

Roll-top desks — Horton Furniture Co., $98.40. $108.90; Rucker, Fuller Sales Co., $97.75; C. F. Webber & Co., $115; A. Carlisle & Co., $98.75, $96.75; Kutner-Goldstein Co., $89.

Lockers (Steel)—C. F. Webber & Co., $6.10, $5.80; Fred Medart Mfg. Co., $6.67, $6.23; A. Carlisle & Co., $7, $7; Berger Mfg. Co., $5.

Desks (teachers')—Horton Furniture Co., $60.30, $42; Rucker, Fuller & Co., $55, $85; C. F. Webber & Co., $40, $32; Kutner-Goldstein Co., $52.

Tables (8 ft.)—Horton Furniture Co., $105.75; Rucker, Fuller & Co., $107.40; Rucker, Fuller Sales Co., $95.59; C. F. Webber & Co., $100, $85.

Tables (6 ft.)—Horton Furniture Co., $54; Rucker, Fuller & Co., $63; Rucker, Fuller Sales Co., $54.41; C. F. Webber & Co., $62.50, $55.

Tables (5 ft.)—Harton Furniture Co. $48.15; Rucker, Fuller & Co., $56; Rucker, Fuller Sales Co., $46.71; C. F. Webber & Co., $47.50, $42.50.

Tables (10 ft.)—Horton Furniture Co., $140; Rucker, Fuller & Co., $144; Rucker, Fuller Sales Co., $120; C. F. Webber & Co., $129, $109.

Drawing Stands—C. F. Webber & Co., $20; Cunningham, Curtis & Welch Co., $30.

Tripple Mirror—C. F. Webber & Co., $73.80; Wiese Laboratory Furniture Co., $164.

Fitting Stand—C. F. Webber & Co., $7.35; Wiese Laboratory Furniture Co., $11.50, $17.75.

Physics table — Horton Furniture Co., $75; C. F. Webber & Co., $61.35; Wiese Laboratory Furniture Co., $89.40.

Cutting table—C. F. Webber & Co., $60; Wiese Loboratory Furniture Co., $84.80.

Supply Cabinet—C. F. Webber & Co., $105; Wiese Laboratory Furniture Co., $100.75.

Chemistry Tables — Horton Furniture Co., $475; C. F. Webber & Co., $462; Wiese Laboratory Furniture Co., $592.30, $503.55.

Biology tables—Horton Furniture Co., $65; C. F. Webber & Co., $57.60; Wiese Laboratory Furniture Co., $77.75

Domestic science table—C. F. Webber & Co., $85; Wiese Laboratory Furniture Co., $101.25.

Instructor's Table (12 feet)—C. F. Webber & Co., $410; Wiese Laboratory Furniture Co., $389.10 plus extras.

Instructor's table (8 feet)—C. F. Webber & Co., $222; Wiese Laboratory Furniture Co., $269.20 plus extras.

Waste baskets—C. F. Webber & Co., $2.25; A Carlisle & Co., $1.09, $1.09.

Wicker Rockers—Rucker, Fuller & Co., $21.75, $10.50; Kutner-Goldstein Co., $16.50.

Wicker tables—Rucker, Fuller & Co., $51; Kutner-Goldstein & Co., $17.50.

Wicker Couches—Rucker, Fuller & Co., $41.50; Kutner-Goldstein & Co., $32.

Window shades—Horton Furniture Co., $937.50; C. F. Webber & Co., $882, $1,077; C. F. Webber & Co. (draper shades), $1,214; Kutenr-Goldstein & Co., $620.

HANFORD, Kings Co., Cal.—Hanford High School District awards contracts for furniture and equipment as follows: Norton Furniture Co., Hanford, physics table, $61.35; school desks, $12; Kutner, Goldstein Co., Hanford, window shades, $620; teachers' revolving chairs, $12. Balance of contracts awarded to C. F. Weber Co., Rucker, Fuller & Berger Mfg. Co.

SAN LEANDRO, Alameda Co., Cal.—An additional building is planned at St. Mary's Convent, due to crowded conditions and the possible increase of the attendance. A fireproof structure is contemplated.

PORTLAND, Ore.—J. M. Dougan Co., Railway Exchange Bldg., at $181,200 submits low bid for the general contract for a four-story and basement reinforced concrete medical school to be erected in Marquam Hill for the University of Oregon. Alaska Plumbing & Heating Co. at $24,743 low on heating; Dausch Plumbing Co. at $15,-300 low for plumbing; Ne Page McKenny low for wiring at $5,740 and Otis Elevator Co. low for elevator at $4,025. Plans by Architects Lawrence & Holford, Chamber of Commerce Bldg., with M. H. Whitehouse, as associate architect.

SEATTLE, Wash.—Scherer & Carlson, 111 Pine St., at $87,660 submit low bid to the School Board for constructing a three-story 12-room fireproof addition to Gatewood School in District No. 1, Reuben W. Jones, Secretary of the District. F. A. Naramore is City School Architect.

MERCED, Merced Co., Cal.—The following bids were received on August 22nd by the Trustees of the Merced Elementary School District for the construction of a one-story six-room reinforced concrete school building. Plans were prepared by Architect Norman R. Coulter, 46 Kearny St., San Francisco.

	Class B	Class C
Pete Jensen, S. F.	$37,900	$33,775
John Martin, S. F.	38,707	33,920
Ward & Jones, S. F.	39,987	35,984
Schultz Con. Co., S. F.	40,196	35,868
E. K. Angle, Los Banos	40,300	34,600
P. F. Reilly	42,980	35,475

Contract awarded to Pete Jensen, San Francisco, for Class C building.

FRESNO, Fresno Co., Cal.—No bids received by L. L. Smith, Secretary, Board of Education, for grading yard and grounds of the Kirk School.

LINDEN, San Joaquin Co., Cal.—The following bids were received on Aug. 20th by the Trustees of the Linden School District for the construction of a one-story brick and hollow tile grammar school building. Plans were prepared by Architects Wright & Satterlee, Bank of Italy Bldg., Stockton.

John T. Lewis, Stockton	$19,251
Ubel & Van Til, Ripon	19,500
— Peletz	21,137
— Pelecarpo	21,404

Bids were for general contract and were taken under advisement.

(Continued on Page 15)

Official Proposals

QUAY WALL BIDS WANTED

BUREAU OF YARDS AND DOCKS, Navy Department, Washington. —Bids are wanted until September 7, specifications 4484, for constructing quay wall at the naval station, San Diego, Calif., deposit for plans $10. Address the chief of bureau.

BIDS WANTED FOR STEEL WORK

BUREAU OF YARDS AND DOCKS, Navy Department, Washington—Bids are wanted until September 21, specification 4464, for steel work machine shop at Pearl Harbor, H. T. Deposit for plans $10. For information address chief of bureau.

METAL SHELVING BIDS WANTED

OFFICE OF THE SUPERVISING Architect, Treasury Department, Washington.—Bids are wanted until September 26 for installing metal vault shelving in the U. S. public building, Honolulu, H. T.

TO CALL BIDS FOR STEEL SUPERSTRUCTURE

NOTICE TO CONTRACTORS

Proposals will be opened in the near future on Specification No. 4464 for erection of steel superstructure for new machine shop, Naval Station, Pearl Harbor, T. H.

The work covers the erection of the steel work for the new machine shop which will be rectangular in shape, 1 story high, 181 ft. 3½ in. wide, and 520 ft. long, measured between column center lines. Bottom chords of main trusses will be approximately 50 ft. above main column bases. All structural steel will be furnished by the Government.

Plans and specifications will be available for distribution shortly and will be forwarded when available upon the receipt of check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, as security for their safe return.

R. L. MARTIN,
Lieut. Comdr. (CEC) U. S. Navy,
By direction, Public Works Officer.

TO CALL BIDS FOR RIPRAPPING

NOTICE TO CONTRACTORS

The Bureau of Yards and Docks will shortly open proposals on Specification No. 4390 for riprapping Dike No. 12 at the Mare Island Navy Yard.

The work includes the excavation of approximately 100,000 cu. yds. of rock at the southerly end of Mare Island, and the depositing thereof outside of Dike No. 12.

Plans and specifications may be had when available upon depositing check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, as security for their safe return.

By direction, Public Works Officer.
R. L. MARTIN,
Lieut. Comdr. (CEC) U. S. Navy,

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 6th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Tuolumne County, Between Westerly Boundary and one mile north of Keystone (III-Tuo-13-A), about 9.4 miles in length, to be paved with Portland cement concrete.

Tuolumne County, Between Jamestown and Sonora (III-Tuo-13-B), about 3.5 miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated August 8, 1921.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 19th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Mendocino County, near Arnold, (I-Men-1-G), an undergrade crossing of the Northwestern Pacific Railroad.

Stanislaus County, between Southerly Boundary and Ceres (III-Sta-4-A), about 6.0 miles in length, to be surfaced with Asphalt concrete.

Santa Clara County, between Perry and Morgan Hill (IV-S.Cl-2-B), about 4.3 miles in length to be surfaced with Asphalt concrete.

Santa Clara County, between Gilroy and Carnadero Creek (IV-S.Cl-2-C), about 1.7 miles in length, to be paved with Portland cement concrete.

Monterey County, between King City and South side of Salinas River (V-Mon-2-F), about 1.0 miles in length, 0.5 miles to be paved with Asphalt concrete and 0.5 miles to be surfaced with Asphalt concrete.

Santa Barbara County, between Canada de la Posta and Gaviota (V-SB-2-E & F), about 3.2 miles in length to be widened with Portland cement concrete shoulders and surfaced with Asphalt concrete.

Merced County, between Delhi and Northerly Boundary (VI-Mer-1-D), about 4.2 miles to be surfaced with Asphalt concrete.

Orange County, between Fullerton and Northerly Boundary (VII-Ora-2-F), about 4.8 miles in length, 2.8 miles to be paved with Portland cement concrete and 2.0 miles to be widened with Portland cement concrete shoulders and surfaced with Asphalt concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated August 22, 1921.

NOTICE TO CONTRACTORS

(Four Ward Buildings)

Office of the Clerk of the Board of Supervisors, Alameda County, Calif.

SEALED BIDS will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until 10 o'clock A. M. on Monday, October 3rd, 1921** (the only day when said bids will be opened), for all labor and material and mechanical workmanship required for the erection and partial completion of Ward Buildings numbers Four, Six and Eight, and connecting corridors for Highland Hospital of Alameda County at 14th Avenue and Vallecito Place, Oakland, California; also certain partition work, etc., in Wards, One and Two and in Service Building.

Complete plans and specifications for said work are on file in the office of the County Clerk, open to inspection.

Copies may be obtained by depositing with the County Clerk the sum of One Hundred ($100.00) Dollars. Contractors will be restricted as to the length of time they may retain these plans and specifications to ten (10) days.

Contractors failing to return said plans and specifications within said time limit will forfeit their deposit to the County of Alameda. The entire amount of the deposit will be returned to contractors returning plans and specifications in good condition within said time limit.

Each bid must be accompanied by a check for at least ten (10) per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the Contract.

GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda

Dated, August 22nd, 1921.

NOTICE TO CONTRACTORS

Brick & Concrete School, Cost, $150,000

NOTICE IS HEREBY GIVEN that sealed bids will be received and opened by the Board of Trustees of the Napa School District, Napa County, California, **up to 8 P. M. o'clock, on the 15th day of September, 1921,** for the erection and completion of a concrete and brick school building to be known as the John L. Shearer Grammar School, in the City of Napa, Napa County, California, all in accordance with plans and specifications made for the same by W. H. Weeks, the authorized architect employed by the Board.

Bids will be received as follows:

(1) The General Contract, together with alternate propositions.

(2) The Heating System.

Plans and specifications can be seen at the office of the Clerk of the Board in Napa, between the hours of 9 A. M. and 3 P. M. of any day, except Saturdays, Sundays and holidays, or at the office of the Architect, W. H. Weeks, 75 Post Street, San Francisco, California, during business hours.

On a deposit of Twenty ($20.00) Dollars complete sets of said plans and specifications may be had by any prospective bidder. If not returned by the time bids are received or if mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made on proposal blanks obtained at the office of the Architect and to be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank and made payable to Howard E. Roper, Clerk of the Board of Trustees of the Napa School District, to be retained by said School District as liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into contract after the award, or to give bonds required for the faithful performance of the contract or any bond required by law.

The Board reserves the right to reject any and all bids.

Address bids to Howard E. Roper, Napa, California. Clerk of the Board.

NOTICE TO CONTRACTORS

(Frame Gymnasium and Auditorium)

NOTICE IS HEREBY GIVEN by the Board of Trustees of the Anderson Valley Union High School District, Mendocino Co., California, that bids will be received by said Board for the erection and construction of a frame Gymnasium - Auditorium at Anderson Valley in said district.

Plans and specifications may be obtained from the Clerk of the Board at Philo, Calif., or from the Architect, Norman R. Coulter, at 46 Kearny street, San Francisco, California. A deposit of Ten ($10.00) Dollars will be required for each set of plans.

All bids will be opened by the said Board of Trustees on the **12th day of September, 1921, at 8 o'clock P. M., at the High School Building** of Anderson Valley, and all bids must be delivered to Mr. Byron G. Gowan, Clerk of said Board, before said hour, enclosed in sealed envelopes and marked on the outside, "Bids for construction of Gymnasium-Auditorium near Boonville, in Anderson Valley, Calif."

All bids must be accompanied by a certified check, cash or a certificate of deposit, equal to ten per cent of the amount bid; checks or certificates of deposit to be made payable to the Board of Trustees and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted upon his entering into a contract with the said School District and giving such bonds as may be required by law or said Board.

The Board of Trustees reserves the right to reject any and all bids.

BYRON G. GOWAN,
Clerk of the Board of Trustees of the Anderson Valley Union High School District, Anderson Valley, Mendocino County, California

NOTICE TO BIDDERS

(Two-story Office Building)

NOTICE IS HEREBY GIVEN that sealed proposals are invited to be delivered at the office of the City Clerk of the City Council of the City of Stockton in the annex to "The Stockton," Stockton, California, **up to and including the 13th day of September, 1921, at the hour of 10:30 o'clock A. M.,** for the furnishing of labor and materials necessary for the construction of a two-story office building on the north side of Stockton Channel near El Dorado street in the City of Stockton, according to the plans and specifications therefor, on file in said office, to which reference is hereby made.

The contract for the performance of said work and the furnishing of said material shall be exercised within ten (10) days after the award thereof shall have become final, and the performance thereof shall be commenced within ten (10) days after the execution of the contract for the same, and completed within 120 days thereafter.

The successful bidder is required to give bonds for the faithful performance of the contract in the sum of 50 per cent of the contract price.

All proposals shall be accompanied by a check certified by a responsible bank, payable to the order of the City Clerk, or by coin of the United States, for an amount not less than ten per cen (10%) of the aggregate of the proposal.

In the event that the person, firm or corporation to whom said contract may be awarded, fails, neglects or refuses to enter into contract to perform said work and furnish said materials as hereinabove provided, the the certified check and the amount therein mentioned, or the coin, accompanying the bid of said person, firm or corporation, shall be declared to be forfeited to said City, as liquidated damages.

Said contract will be let to the lowest responsible bidder, provided, however, that the City Council reserves the right to reject any and all bids and to re-advertise for bids or to provide for the work to be done by the Department of Public Works.

Dated: August 17, 1921.

A. L. BANKS.
City Clerk of the City of Stockton.

NOTICE TO CONTRACTORS

(Two Portable Schools)

NOTICE IS HEREBY GIVEN that the President of the Board of Education of the City of Santa Rosa School District, Sonoma County, California, will receive bids for the construction of two (2) wooden portable one-room school buildings, **until 11 o'clock A. M., September 26, 1921,** at his office in the Dougherty-Shea Building in the City of Santa Rosa, and that these bids will be opened and read at the above mentioned time and date and place in the presence of all concerned. Plans and specifications for the work may be obtained from William Herbert, Architect, City Hall, Santa Rosa, California. A deposit of Five Dollars ($5.00) will be required to insure the return of the plans and specifications.

HILLIARD COMSTOCK,
President, Board of Education, City of Santa Rosa School District.

SARAH N. HATCH,
Secretary, Board of Education, City of Santa Rosa School District.

NOTICE TO BIDDERS

(Court House Furnishings, Etc.)

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of Ormsby County, State of Nevada, will receive bids for furniture, carpets, linoleum, shades, light fixtures and cabinet work to be installed in the new Court House Building, Carson City, Nevada.

Plans and specifications may be secured at the office of F. J. DeLongchamp, Architect, Reno, Nevada.

Bids will be received at the office of the County Clerk at Carson City, Nevada, **up to 12 o'clock noon on September 19, 1921.**

All bids shall be sealed in opaque envelopes, addressed to County Clerk and marked "Bid for Court House Equipment."

Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the total amount of the items bid on.

Bidders may bid on one or more items authorized by the Board of County Commissioners for Ormsby County, Nevada, the 17th day of August, 1921.

ORMSBY BOARD OF COUNTY COMMISSIONERS.
E. S. DAUGHERTY,
Chairman.
J. W. LEGATE, Clerk.

BIDS WANTED FOR WILLITS SCHOOL

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN by the Board of Trustees of the Willits Elementary School District of Willits that bids for the erection of a concrete school building, to be built in Willits, will be received.

All bids submitted are to be sent to the Clerk of the Board, Mr. J. J. Keller, **not later than 8 P. M., September 10th, 1921,** at Willits, California.

Bids are to be opened at the Willits Mercantile Company's store by the Board and each bid must be accompanied by certified check of not less than 10 per cent of the amount of the bid submitted. The Board reserves the right to reject any and all bids submitted and contractors submitting bids do so with the understanding that their bid can be accepted or rejected by the said Board.

Plans may be obtained from the Clerk of the Board or from the Architect, Norman R. Coulter, 46 Kearny St., San Francisco. Contractors getting plans to figure will be required to pay a deposit of $10, to be returned when plans are returned.

PLANS TO BE RE-FIGURED

NOTICE TO BIDDERS

(School Addition)

On the construction of an addition to the present Atlanta School building for Atlanta School District, San Joaquin County, California.

Notice is hereby given by order of the Board of Trustees of the Atlanta School District that sealed proposals will be received at the Atlanta school house, located in the Atlanta School District, County of San Joaquin, State of California, **until Saturday, September 3, 1921, up to 2 P. M.,** for the furnishing of all labor and materials necessary for the construction of an addition to the present Atlanta school building.

This work is necessary for the construction of this new addition to the present building, in accordance with plans and specifications on file, which may be seen at the office of Charles H. Young, 903-4-5 Commercial & Savings Bank Building, Stockton, California, authorized architect for the Board. All bids must be accompanied by a certified check or certificate of deposit for not less than ten per cent of the amount bid, and conditioned that the successful bidder shall enter into a contract in accordance with such bid, and will file with the said Board of Trustees a surety bond to be approved by said Board, both as to form and sureties thereon, within five days (5) after acceptance of his bid, which bond shall be conditioned for the faithful fulfillment of the contract entered into, and to be for at least fifty (50) per cent of the amount of the contract price for the work to be done thereunder. Upon failure of the bidder to execute such contract and bond within said five (5) days said ten (10) per cent of the amount bid shall be forfeited to said Atlanta School District. All work to be done and materials furnished shall be in accordance with the plans and specifications herein specified, and all bids herein will be opened at the hour of 2 o'clock P. M., on the 3rd day of September, 1921, by said Board of Trustees, at the Atlanta school house, in the County of San Joaquin, State of California. All bids must be sub-

mitted on forms obtained from the architect, said Board of Trustees reserving the right to reject any and all bids.

By order of the Board of Trustees of the Atlanta School District, San Joaquin County, State of California.

Dated August 19, A. D. 1921.

NORMAN C. HOUSTON.

As Clerk of the Board of Trustees of The Atlanta School District, San Joaquin County, State of California.

SCHOOLS

(Continued from Page 12)

BAKERSFIELD, Kern Co., Cal.—Until Sept. 7, 10 a. m., bids will be received by T. M. Bolton, Clerk, Standard School District, for erecting one-story, two-room school building for Standard School District, specifications for which are on file in office of Geo. M. Brown, president of school board. Certified check 10% required with each bid.

FRESNO, Fresno Co., Cal.—No bids received by L. L. Smith, Secratary of the Board of Education, for installing rain water drainage system at Kirk School.

SONORA, Tuolumne Co., Cal.—The following bids were received on Aug. 18th by the Trustees of the Sonora Union High School District for the construction of a two-story reinforced concrete gymnasium building. Plans were prepared by Architects Davis-Heller-Pearce Co., Delta Bldg., Stockton.

General Contract

Geo. H. Lydiksen, Standard City..$24,300
Jos. Chirhart 25,993
Western Construction Co..... 26,996
H. D. Grayson 28,000
Contract awarded to low bidder.

Electrical Wiring

A. E. Chink, Sonora.....$575.00
H. J. Koffer..... 697.40
Contract awarded to low bidder.

Plumbing, Heating and Sheet Metal Work

Wm. Rother, Sonora $1,637.50
Miller-Hayes Co. 1,775.00
Contract awarded to low bidder.

FRESNO, Fresno Co., Cal.—Until August 30, 8 P. M., bids will be received by J. A. Poytress, Secretary, Washington Union High School District, Route G, Fresno, for furnishing and delivering 250 folding auditorium chairs in groupe of 2 and 3 and for four teachers' desks.

SANTA CLARA, Santa Clara Co., Cal.—St. Clare's Parish planning construction of $50,000 school on site recently purchased from Phelan Estate. Preliminary plans for the structure will be considered at a meeting to be held Sept. 12.

LOS ANGELES, Los Angeles Co., Cal.—Until 9 a. m., Sept. 7, bids will be received by the Board of Education for a new brick school building for Wilton Pl. school site, Los Angeles. Plans were prepared by the architectural department of the board. Plans may be obtained at the office of the secretary, 730 Security Bldg., Los Angeles. Bids will be taken separately on the general contract, plumbing, painting, heating and wiring.

The main building will be 2 stories and basement, 157x83 ft. with 10 classrooms, domestic science and manual training departments, offices, etc.; kindergarten bldg., 61x38 ft.; reinf. concr. found., ruffled brick exterior, art stone and terra cotta ornamentation, tile and comp. roofing, pine trim, comp. fls. in toilets, marble toilet partitions, steel sash, skylights, folding partitions.

OAKLAND, Cal.—The following contracts were awarded by Lloyd D. Barzee, Secretary of the Oakland Board of Education, for heating and plumbing for the girls' gymnasium at 19th St. and Broadway.

Heating

Scott Co., 381 11th St., Oakland...$7236

Plumbing

W. H. Picard, 5656 College Ave., Oakland $3555

STORES AND OFFICES

Commissioned to Prepare Plans.
OFFICE, ETC. $250,000
LONG BEACH. Los Angeles Co., Cal. Fifth and Elm Streets.
Three-story and basement fireproof office and service building.
Owner—Associated Telephone Co., 225 E-First St., Long Beach.
Architect—W. Horace Austin, First National Bank Bldg., Long Beach.

Contract Awarded.
STEEL WORK Cost, $——
LOS ANGELES, Los Angeles Co., Cal. SW Fifth and Broadway.
Structural steel work.
Owner—Faris Walker Co., Fifth St., Los Angeles.
Architect—Aleck E. Curlett, Merchants National Bank Bldg., Los Angeles.
Contractor—U. S. Steel Products Co., Los Angeles.
Bids will be taken at once on terra cotta, ornamental iron, plumbing, wiring, heating and for 11 elevators. C. B. Weaver Constr. Co., Pacific Finance Bldg., contractor.

Contract Awarded.
FOUNDATION Cost, $——
SANTA ROSA, Sonoma Co., Cal. 4th St. and Mendocino Ave.
Foundation work for five-story Class A reinforced concrete department store and office building.
Owner—Max Rosenberg.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—W. L. Proctor, Santa Rosa

To Be Done by Day's Work.
OFFICE BLDG., ETC. Cost, $30,000
SAN JOAQUIN, Fresno Co., Cal.
Office building and warehouse.
Owner—San Joaquin Light and Power Co., Fresno.
Architect—None.

Owner Taking Figures.
APARTMENTS Cost, $20,000
OAKLAND, Alameda Co. 7th St. bet. Campbell and Willow.
Two-story brick store and apartments.
Owner—A. M. Lekos, 1676 7th St., Oakland.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
NOTE—Segregated contracts to be signed next week.

Plans Being Figured.
ALTERATIONS Cost, $2000
SAN FRANCISCO. Haight and Fillmore Sts.
Alterations to frame store and ats.
Owner—Bothin Real Estate Co., 604 Mission St.
Architect — Arthur Bugbee, Sharon Bldg., San Francisco.

Figures to Be Taken Shortly.
ALTERATION Cost, $7500
SAN FRANCISCO. E. side 6th between Bryant and Brannan.
Alter to Class C building.
Owner—Bothin Real Estate Co., 604 Miss on St., San Francisco.
Architect—Arthur Bugbee, Sharon Bldg., San Francisco.

RENO, Nev.—The Byington Estate contemplates a two-story addition for offices to the present structure at the northwest corner of Virginia and Second Sts., according to Frank J. Byington, manager of the building. Lewis J. Byington, attorney, of San Francisco, was recently in Reno regarding the improvements.

DELANO, Kern Co., Cal.—Chamber of Commerce proposes to erect new quarters. A one-story frame building 30 by 16 ft. is planned.

SHAFTER, Kern Co., Cal.—Ben Friesen of Dinuba is planning the construction of a 2-story brick store and office building in Shafter. Erection of the building depends upon the signing of a lease.

LONG BEACH, Los Angeles Co., Cal. The Associated Telephone Co., 225 E. First St., Long Beach, is taking bids for erecting a 3-story and basement fireproof office and service building at 5th and Elm Sts., Long Beach, for the company, Long Beach; $250,000; 25,000 subscriber exchange; switchboard and operating department on third floor, terminal racks and charging machines on second floor, commercial offices on main floor and storage and equipment rooms in basement.

THEATRES

Plans Being Figured.
THEATRE BLDG. Cost, $500,000
SACRAMENTO, Sacramento Co., Cal. K and L, 9th and 10th Sts.
Class A Theatre Building.
Owner—Paramount Theatre Corp.
Architect—L. F. Starks, Fruit Bldg., Sacramento.

THEATRE, ETC. Cost, $——
LOS ANGELES, Los Angeles Co., Cal. Vermont and Vernon Aves.
Two-story brick theatre, store and office building.
Owner—Jos. Engert.
Architect—E. L. Borgmeyer, 1003 California Bldg., Los Angeles.
Concrete foundations to Geo. Stevens, Los Angeles.
Lumber to San Pedro Lumber Co., Los Angeles

THE SAN FRANCISCO
BUILDING LAWS
Are now ready for distribution at the office of the
Daily Pacific Builder
500 Mission St., S. F.
Price 50c By Mail, 55c

LICENCES GRANTED TO PRACTICE ARCHITECTURE

At a meeting of the California State Board of Architecture held on Tuesday, August 2nd, 1921 the following were granted licenses to practice architecture in this State:

William F. C. Bouchspies, 1701 Larkin St., San Francisco.

William W. Harper, 1645 Page St., San Francisco.

Anton Johnson, Kingsburg, Calif.

Harmon Rafael Lake, 1319 Taylor St., San Francisco.

Lewis Gerstle Mack, Hobart Bldg., San Francisco

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SONORA, Tuolumne Co., Cal. — County Engineer Robert Thom has been instructed to prepare plans for a reinforced concrete bridge across Mormon creek at the Chas. Wight place; for a concrete bridge across Turnback creek at the Westinghoue place on the Cherokee-Confidence road and for a bridge over Curtis creek at the Amy ranch.

OROVILLE, Butte Co., Cal.—Until Sept. 7, 3:30 p. m., bids will be received by C. F. Belding, County Clerk, for constructing the Long Bridge over Hamilton Slough, on the Gridley-Colusa road, west of Gridley. Certified check 10% required with each bid. H. H. Hume, County Engineer.

FRESNO, Fresno Co., Cal.—County Road Engineer Chris P. Jensen completing plans for two reinforced concrete bridges on the Coalinga highway. State will reimburse county for moneys expended in these structures.

SACRAMENTO, Cal.—State Reclamation Board adopts resolution calling for immediate construction of a gap in the Sacramento river levee between Freeport and Courtland. Work will consist of raising and strengthening the levee for a distance of approximately four miles and will cost about $145,000.

PLACERVILLE, El Dorado Co., Cal. —Directors of the El Dorado Water Co. approve plans for storage reservoir to be constructed on Webber Creek about 5 miles east of Placerville. The dam, arch type, will cost about $80,000; other improvements planned will bring the total cost of the improvement to $125,000.

OROVILLE, Butte Co., Cal.—Until September 6, 2:30 P. M., bids will be received by C. F. Belding, County Clerk, for constructing one 16-ft. box culvert at Station 78, near Palmero.

Separate bids for constructing a 16-ft. box culvert at Station 155 near Palmero. Certified check for 10% required with each bid. Harry H. Hume, County Road Engineer.

REDWOOD CITY, San Mateo Co., Cal. —Until Sept. 6, 10 a. m., bids will be received by Elizabeth M. Nash, County Clerk, for constructing retaining wall on Montara to Halfmoon Bay road near Section 274, Route 2, at Princeton in the 4th road district; another on the La Hondato San Gregorio road near Station 135 in 3rd road district. Geo. Kneese, County Engineer. Plans on file in office of clerk.

NAPA, Napa Co., Cal.—Until Sept. 13, 10 a. m., bids will be received by James A. Daly, County Clerk, for constructing bridge over a small creek in Coombsville. Edw. P. Ball, County Engineer.

LOVELOCK, Nevada.—Business interests and farmers of this section have started movement to secure construction of a huge reservoir at Oreana to store waste waters from the Humboldt river.

PLACERVILLE, El Dorado Co., Cal. —Until Sept. 7, 2 p. m., bids will be received by Arthur J. Koletzke, County Clerk, for constructing a steel bridge of 160-ft. span across the South Fork of the American River, at Chili Bar, upon the site where the old bridge now stands. Certified check 10% payable to chairman Board of Supervisors required with each bid. Deposit of $10 required for plans, returnable. Henry Lahiff, County Surveyor.

LOS ANGELES, Cal.—Until 11 a. m., Sept. 12, bids will be received by supervisors of Los Angeles county for construction of a reinf. concr. bridge over Walnut creek on Glendora avenue. The bridge will be girder type, 52 ft. span with 24-ft. roadway and will have an ornamental concr. railing.

VISALIA, Tulare Co., Cal.—Frank T. Twaddel, Tulare, at $5265, awarded contract by supervisors for constructing reinforced concr. bridge across the Bayou, 1420 ft. south of the NE. corner of section 30, T. 20S., R. 25 E., M. D. B. & M., involving 114.11 cu. yds. Class A concrete and 231.84 cu. yds. Class B concrete and 47 piles. County will furnish materials valued at $4533.98. Other bidders were: Parlier & Lowry, Tulare, $6870.07; W. M. Ledbetter, Los Angeles, $7953.92; C. R. Girdy, Porterville, $5669.65; A. J. Heitzeg, $6840; Nate Lovelace, Visalia, $5885.96; Edgar Noble, Visalia, $6848.50. Engineer's estimate, $6646.83.

Parlier & Lowry, Tulare, at $9311.36, awarded contract to construct wooden bridge with concrete abutments across the St. Johns River on Road 1266, to the south of the NE corner of Section 10, T. 18 S., R. 26 E. M. D. B. & M., involving 128 piles, 413.44 cu. yds. Class B concrete and 87 M board ft. lumber, including all excavation. County will furnish materials valued at $10,909.79. Other bidders were: W. M. Ledbetter, $11,555.20; D. B. Day, Woodlake, $10,-907.36; C. R. Gurdy, $10,494.88; Edgar Noble, $9328.04. Engineer's estimate, $13,046.92. Laurence A. Moye, County Engineer.

NAPA, Napa Co., Cal.—Until Sept. 13, 10 a. m., bids will be received by Jas. A. Daly, County Clerk, for constructing box culvert on Foss Valley road, near Estee place. Edw. P. Ball, County Engineer.

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OROVILLE, Butte Co., Cal.—Until Sept. 6, 2:15 p. m., bids will be received by C. F. Belding, County Clerk, for constructing 10-ft. reinforced concrete culvert over Wyman slough, Station 229 plus 15, Marysville bonded road near Palermo. Certified check 10% required with each bid. Harry H. Hume, County Engineer.

HOLLISTER, San Benito Co., Cal.—Following bids received by Supervisors for constructing steel highway bridge over Tres Pinos Creek on San Justo and Tres Pinos road at T. G. Hester place in Supervisorial Districts Nos. 3 and 4.

E. H. Martin & Co., Syndicate Bldg., Oakland, (1) furn. all labor and materials, $19,484 (2) furn. steel in trusses, floor beams, etc., $6800; (3) furn. material, labor, etc., except trusses, $12,-91.41.

W. I. McReynolds, Hollister, (3) $15,-979.

Miller & Nommensen, 101 S. 16th St., San Jose, (1) $18,972.

R. McLeran Co., Hearst Bldg., San Francisco, (1) $21,468.

Kyle Co., San Francisco, (2) $5400.

J. W. Lee, Chicago, Ill., (2) $5500.

Contracts will be awarded to E. H. Martin and Kyle & Co. W. A. Winn, County Engineer.

SALINAS, Monterey Co., Cal.—Until Sept. 6, 2 p. m., bids will be received by T. P. Joy, County Clerk, for constructing a highway bridge over the San Antonio River, on the Pleyto-Bradley Road, Road District No. 4.

Separate bids, same date, for constructing a highway bridge over the San Antonio River, near Jolon, Road District No. 4.

Separate bids, same date, for constructing a highway bridge over Lewis Creek, in Priest Valley, Road District No. 4. Specifications on file in office of clerk. Howard Cozzens, County Engineer.

VENTURA, Ventura Co., Cal.—County Engineer Chas. Petit in his annual budget submitted to supervisors provides following appropriations for bridges: State Highway bridge, Malibu road, $18,000; Montalvo bridge floor, $1000; Piru bridge painting, $800; Royal Ave. bridge, Simi, $10,000; Dennison road bridge, $5000; Long Canyon road bridges, $2000; miscellaneous bridges and culverts, $6000.

MANTECA, San Joaquin Co., Cal.—Directors of South San Joaquin Irrigation District at their next meeting will discuss the need of proceeding with the Melones dam project. Meetings will be held during the month of September to secure the sentiment of the taxpayers of the district as to having an engineer report on the feasibility of the project.

LOS ANGELES, Cal.—The following bids were received by U. S. disc. engr. for dredging in Los Angeles harbor on east side of entrance channel at San Pedro, about 1,254,000 cu. yds.; San Francisco Bridge Co., 13.66c yd.; Los Angeles Dredging Co., 13.84c cu. yd.; United Dredging Co., 16.38c yd. with alternate bid of 14.94c if all work is awarded to bidder. Bids taken under advisement. About $140,000 is available.

VENTURA, Ventura Co., Cal.—Until 1 a. m., Sept. 16, bids will be received by County Supervisors for constructing reinf. concr. arch bridge, 40 t. span, involving 110 cu. yds. concr. nd 6800 lbs. reinf. steel. Chas. Petit, ounty Surveyor. L. E. Hallowell, ounty Clerk.

SANTA ROSA, Sonoma Co., Cal.—ntil September 27, 1 p. m., bids will e received by W. W. Felt, Jr., County lerk, for constructing steel bridge ver Russian River at Station 500 on e Healdsburg-Forestville road; estiated cost, $110,000. R. Press Smith, ounty Engineer.

SANTA ROSA, Sonoma Co., Cal.—Unl Sept. 14, bids will be received by W. . Felt, Jr., County Clerk, for conructing a reinforced concrete bridge n the east side of the Russian River n the Geyserville-Jimtown road, near etzer ranch. Estimated cost, $3500. . Press Smith, County Engineer.

SAN LUIS OBISPO, Cal.—Until Sept. 10 a. m., bids will be received by F. Rodriguez, County Clerk, for removg the old San Miguel bridge. Warn Burch, County Engineer.

HANFORD, Kings Co., Cal.—Until ept. 13, 11 a. m., bids will be received y E. F. Pickerill, County Clerk, for onstructing reinforced concr. highway idge over the People's Ditch between ections 33 and 34, Township 17 S. R. E., M. D. B. and M., involving 140 . yds. of Class A concr. and 11,707 s. of square reinf. steel. Cert. check % payable to Chairman Board of Suervisors required with each bid. Plans ay be had from office of clerk. Roy ay, County Engineer.

NAPA, Napa Co., Cal.—S. G. Lisher at ,949.70 awarded contract by Supersors to construct a reinf. concr. idge across Rector Creek near the ate Farm and one near the Nixon nch. Edw. P. Ball, County Engineer.

FRESNO, Fresno Co., Cal.—Accordg to estimates submitted by County urveyor Chris P. Jensen, it will cost pproximately $15,000 to repair the idge across the San Joaquin River at irebaugh; work to be financed jointly Madera and Fresno counties. Work ill consist of placing a foundation of ncrete under the turntable, to remove e decaying trusses of the 150-ft. span nd to strengthen the caissons.

SACRAMENTO, Cal. — Construction the State Highway Commission of concrete viaduct from the American iver bridge to North Sacramento as means of relieving traffic congestion nd affording Sacramento a proper enance over the Twelfth St. road will taken up at a conference at which ill be representatives of the state, ty and county. Preliminary plans r such a structure have been preared by the Highway Commission.

UKIAH, Mendocino Co., Cal.—Until ept. 13, 11 a. m., bids will be received Hale Prather, County Clerk, for onstructing bridge over east branch the Russian River at Cunningham ossing in Coyote Valley. E. H. Smith, ounty Surveyor.

PALMDALE, Los Angeles Co., Cal.—onds for the Little Rock Creek Irri. ist. to amount of $248,000 and bonds Palmdale Irri. Dist. to amount of 45,000 are being advertised for sale, ds to be received up to Sept. 19. hese bonds have been voted for the onstruction jointly of a dam and resvoir and distributing system on Litle Rock Creek for irrigation of about 00 acres in Antelope Valley. The dam will be a reinforced concr. multiple arch dam, designed and to be constructed by John S. Eastwood of San Francisco. This contract was let more than a year ago. No contract has been let for the concr. pipe distributing system or other work. Information may be obtained from W. C. Petchner, 1029 Title-Insurance Bldg., Los Angeles.

LOS ANGELES, Cal.—The Harbor Commission has approved general plans for a double leaf bascule bridge to be constructed over Cerritos channel at Los Angeles harbor. The bridge will be 210 ft. long and 75 ft. wide. Plans were submitted by Harbor Engineer Vincent.

IRRIGATION PROJECTS

OROVILLE, Butte Co., Cal.—Reclamation District No. 833, plans bond issue to secure funds for financing improvements; completion of original plans as approved, $726,099.32; new work, $71,835.47; for maintenance for additional period of fifteen years, $202,-065.21, making a total of $1,000,000.

BLYTHE, Riverside Co., Cal.—Palo Verde Valley voted to form a drainage district to protect lands against rising water table. D. W. Murphy will be the engineer in charge of the work. W. J. Burton, Ed. F. Williams and A Rife were elected directors of the district.

SACRAMENTO, Cal.—State Reclamation Board, Thos. Mayhew, secretary, considering plans for Butte Creek Drainage District No. 100, in Butte county, for constructing drainage ditch and improving the channel of Butte Creek.

NEWPORT BEACH, Cal.—R. J. Elliott of Garden Grove was awarded contract for drilling a well and Vincent Mfg. Co. the contract for casing for same for Newport Mesa Irri. Assn.

FRESNO, Fresno Co., Cal.—Until Sept. 5, bids will be received by the Fresno Irrigation District, Morton Hansen, Secretary, 1001 Griffith-McKenzie Bldg., for tearing out of an old wood flume and trestle on the Epstein Ditch near Herndon, California, and building in its place a three foot concrete pipe and approaches. Certified check for 10% payable to district required with each bid. Plans may be had from the Chief Engineer of the District.

SAN JACINTO. — F. C. Finkle, consulting engineer, I. W. Hellman Bldg., Los Angeles, has been appointed consulting engineer for the Fruitvale Mutual Water Co. of San Jacinto, which has acquired the irrigation system of the Citizens Water Co., serving 3000 acres. The new company plans to serve 5000 additional acres.

LANCASTER, Los Angeles Co., Cal.—Hull Bros. have contract to put in 2500 ft. 10-in. cem. irri. pipe on ranch of J. L. Stone, 13 miles east of Lancaster.

LIGHTING SYSTEMS

FULLERTON, Orange Co., Cal.—Standard Electric Co., 518 Byrne Bldg., Los Angeles, submitted the lowest bids for constructing ornamental lighting systems on N. Spadra and S. Spadra Rds. and Commonwealth Ave. Bids taken under advisement until Aug. 30, when contract will probably be awarded: Following are the bids Standard Elec. Co.—(a) S. Spadra, $2150, (b) N. Spadra, $5600, (c) W. Commonwealth, $5500. C. W. Sparks—(a) $2629.10, (b) $5874.60, (c) $5756.10. E. S. McEwen—(a) $2987, (b) $5967, (c) $5990. Southern Calif. Elec. Co.—(a) $2541, (b) $6597, (c) $6405. H. H. Walker—(a) $2521, (b) $6266, (c) $6191. Humphrey Engineering & Constr. Co.—(a) $4000, (b) $6864, (c) $6500.

RAILROADS

CALIFORNIA.—Expenditures for improvements and line extensions totaling $4,012,966 by the Western Pacific Railroad Co. have been approved by the Railroad Commission. The money was raised by previous bond issues.

Expenditures are reported as follows:

Niles-San Jose branch	$ 808,423
Calpine branch from Hawley to Davies Mill	381,844
Bidwell Spur — Bidwell to Bidwell Bar	27,273
Ellenbeck Branch	17,064
Reno Branch	240,421
Improvements—main line	912,404
Purchase of equipment—10 locomotives, 400 gondolas and 1500 boxcars, part payment	1,477,175
Construction, purchase and improvements to equipment	58,057
Total	$4,012,966

To complete the program, the additional $1,607,457 is allocated as follows:

Niles-San Jose branch	$1,351,576
Calpine branch	57,155
Bidwell spur	187,726

FIRE EQUIPMENT

FRESNO, Fresno Co., Cal.—The initial cost of a fire alarm system now being planned in the office of the Department of Public Works is placed at $125,000, according to an estimate of Commissioner of Public Works Wm. Stranahan. Under Stranahan, this initial cost would be supplemented by an annual appropriation of $10,000 per year for five years, giving a completed system at a cost of $175,000. This system when completed would contain 300 boxes with a central fire alarm station near the center of the city, and with underground cable system for the commercial districts of the city. The first year only half the contemplated number of boxes would be installed.

MONROVIA, Los Angeles Co., Cal.—Until 7:30 p. m., Sept. 6, bids will be received by City Clerk Lewis P. Black for 500 ft. 2½-in. standard fire hose, payment to be deferred 3 mos.

MACHINERY

REEDLEY, Fresno Co., Cal.—Until Sept. 12, 8 p. m., bids will be received by Marion Deneen, Clerk, Reedley Joint Union High School District, for fur. and del. one or more ¾-ton motor trucks and one or more 1¼-ton trucks, and one or more 18 to 20-passenger bus bodies, and one or more 30 to 32-passenger bus bodies; trucks to be equipped with electric starter, lights and horn, rear sight, speedometer, speed regulation, etc.; all prices f. o. b. Gridley.

ORLAND, Glenn Co., Cal.—Until Sept. 6, bids will be received by the City Trustees for furnishing auxiliary engine for water works. Bonds of $20,000 voted and sold to finance purchase.

PASADENA, Los Angeles Co., Cal.—Until 10:30 a. m., Sept. 6, bids will be received by City Clerk Bessie Chamberlain for one gasoline engine driven concr. mixer 4 cu. ft. mixed materials capacity and one mixer 7 cu. ft. capacity; bidders to submit spec. Cert. check for 10%.

MARTINEZ, Contra Costa Co., Cal.—Rodeo-Valley Ferry Co. will seek bids in the immediate future for constructing a ferry boat costing in the neighborhood of $300,000 and having a carrying capacity of 100 automobiles. This is according to an announcement of C. H. Klatt, an official of the company.

EUREKA, Humboldt Co., Cal. — Baker, Hamilton & Pacific Co., 7th and Townsend Sts., San Francisco, at $15.46 per 100 feet. awarded contract by the City Council for furnishing f.o.b. steamer, San Francisco, 12,000 ft. of 2-in. standard black pipe, random lengths. Other bidders:

Moore Cook Co., Eureka, $15.60 per 100 ft.

M. Stulsaft Co., 647 Mission St., San Francisco, $16.10 per 100 ft.

The Republic Supply Co., 500 2nd St., San Francisco, $16.30 per 100 ft.

San Francisco Steel Products, Balboa Bldg., San Francisco, $16.61 per 100 ft.

George H. Tay Co., 599 Mission St., San Francisco, $16.70 per 100 ft.

General Machinery & Supply Co., 39 Stevenson St., San Francisco, $16,96 per 100 ft.

Coast Supply Co., 590 Howard St., San Francisco, $17.14 per 100 ft.

Crane Co., 2nd and Brannan St., San Francisco, $17.53 per 100 ft.

R. W. Kinney Co., 586 Howard St., San Francisco, $18 per 100 ft.

Leo Kaufmann Co., San Francisco, $19 per 100 ft.

Mark Lally Co., 235 Second St., San Francisco, $15.60 per 100 ft.

MARTINEZ, Contra Costa Co., Cal.—Until Sept. 6, 11 A. M., bids will be received by J. H. Weels, County Clerk, for furnishing and installing 2 steel roller book shelf cases in Recorder's office. Certified check for 10% payable to the Clerk of Board required with each bid. Forms for bidding on file in the office of the clerk.

OAKLAND, Cal.—Until Sept. 1, 12 noon, bids will be received by Eugene K. Sturgis, City Clerk, for furn. and del. garden hose for the remainder of the fiscal year ending June 30, 1922. Blanks for bidding on file in office of clerk.

OAKLAND, Cal.—Until Sept. 1, 12 noon, bids will be received by Eugene K. Sturgis, City Clerk, for furnishing and delivering one left rear wheel for a 12-ton Kelly Springfield Steam Roller for Department of Streets. Forms for bidding may be had from clerk.

HANFORD, King Co., Cal. — Until Sept. 12, 8 P. M., bids will be received by G. W. Armstead, Clerk Hanford Union High School District, for furnishing and delivering one automobile bus, seating capacity 16. Bids must not exceed $1,500.

HUNTINGTON BEACH, Cal.—Until 7:30 P. M., Sept. 2, bids will be received by the Board of Education of Huntington Beach Union High School District for a standard 14-in.x6-ft. engine lathe with regular equipment; also one Cushman 7½-in. Universal chuck and one 10-in. Independent chuck.

RICHMOND, Contra Costa Co., Cal.—Until Sept. 8, 2:30 p. m., bids will be received by T. W. Helms, Clerk, Board of Education, for fur. and del. one Dodge car; spec. on file in office of Superintendent of Schools, 235 Tenth St., Richmond.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

GLENDALE, Los Angeles Co., Cal.—The city council will adopt a resolution of intention at its next meeting for constructing the first unit of the municipal sewer system in the business district. Vitrified pipe will be used. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, engineers.

HUNTINGTON PARK, Cal.—Board of trustees adopt resolutions of intention for the following street work:

For grading, paving with asphalt concrete and constructing concrete gutter in Clarendon avenue from Miles avenue to east city boundary; Improvement Act 1911. For grading, paving with asphalt concrete and constructing concrete gutter in Passaic street from Randolph street to Irvington avenue; Improvement Act 1911. For grading, paving with asphalt concrete and constructing concrete gutter in Gentry street from Clarendon avenue to Irvington avenue; Improvement Act 1911.

City engineer instructed to prepare an assessment district for paving Florence avenue from Pacific boulevard to the east city limits.

RENO, Nevada.—City Council awards contract to F. M. Frandsen, Reno, to pave approximately 1100 feet of alleyways for 22 cents a foot.

SACRAMENTO, Cal.—City Commissioners, M. J. Desmond, Clerk, passed Resolution of Intention No. 1550 to improve alley between Y street and Burnett Way from 24th to 25th streets, by constructing vitrified pipe sewer with 17 six inch vitrified Y branches. Improvement Act 1911. Albert Givan, City Engineer.

SALINAS, Monterey Co., Cal.—City council planning appropriation of $12,000 to construct sewer from Gell street south along South Main to Willow, thence to Pajaro street, on to Maple and Pine streets, estimated cost $5,550; sewer in Homestead avenue along Central avenue, 580 feet, $4,130, and storm sewer, $7,000. Donald F. Davies, City Engineer.

RIVERSIDE, Cal. — Supervisors instruct county surveyor to prepare plans for improving the Corona-Elsinore highway. It is estimated to cost $25,000.

SANTA BARBARA, Cal.—A. L. Pendola awarded contract at $27,009 for improving Victoria street with concrete and asphalt paving. Fairchild-Gilmore-Wilton Co. bid $28,775.72.

LAGUNA BEACH, Orange Co., Cal.—Frank W. Stetson, city engineer of Hemet, is making a survey at Laguna Beach for a municipal sewer system for that place.

SACRAMENTO, Cal. — McGillivray Construction Co., Capital National Bank Bldg., awarded contract by city commission to improve alley between 22nd and 23rd streets, 4th avenue to Marshall Way by grading and paving with a 5½-inch asphaltic concrete.

Same firm also awarded contract to improve alley between G and H, 8th and 9th streets by constructing two concrete catchbasins, connecting same to sewer with 6-inch vitrified sewer pipe, reconstructing one manhole, grading and paving with 5½-inch asphaltic concrete. Albert Givan, City Engineer.

RED BLUFF, Tehama Co., Cal.—W. F. Lunning, City Engineer, instructed to prepare specifications paving unpaved portions of Main street from Reed's Creek bridge north to Catholic church and from the Brewery Creek bridge south to the Imperial hotel; pavement 24 feet wide, 6 inches thick. Trustees also planning to pave Walnut street from S. P. tracks west to a point opposite the auto camp grounds; also one and one-half blocks of Oak street east from Main to bridge spanning Sacramento river.

TURLOCK, Stanislaus Co., Cal.—City Trustees, A. P. Ferguson, Clerk, pass resolution of intention:

No. 96, to improve Lander avenue from Angelus street to south city limits by removing asphalt covering and replacing same with a Warrenite Bitulithic wearing surface 1½ in. thick.

No. 97, improving portions of Myrtle, Merritt and Sycamore streets by grading, constructing concrete curbs and gutters and paving with an asphaltic concrete base 2½ inches thick with a Warrenite Bitulithic wearing surface 1½ inches thick.

No. 98, improving Marshall street from pavement in place in South Front street to Bell street by grading, paving with an asphaltic concrete base 3 inches thick with Warrenite Bitulithic wearing surface 1½ inches thick, cement concrete curbs and gutters. All under Improvement Act 1911. Protests will be heard August 30. Horace Hall, City Engineer.

OROVILLE, Butte Co., Cal.—Chico Contracting Co., Waterland-Breslauer Bldg., Chico, awarded contract by trustees for improving Bridge street from Feather River bridge to Yard street; High street from Huntoon to Marysville road; Marysville road from Dry Creek to Montgomery street.

Bid is grading (excavation), $2.00 cubic yard; grading (embankment), $1.00 cubic yard; Warrenite Bitulithic pavement on asphaltic base, $0.25 per square foot; concrete curb, $0.08 lineal foot; concrete gutter, $0.06 lineal foot. Other bidders were Clark & Henery Construction Co., and Warren Bros. Co.

TURLOCK, Stanislaus Co., Cal.—Until Sept. 20, 8 p. m., bids will be received by A. P. Ferguson, City Clerk, for improving portions of North and South First streets by removing existing curbs, etc., grading and paving with cement concrete 6 inches thick.

Improving portions of Eeast Olive street by grading, paving with an asphaltic concrete 3 inches thick with a Warrenite Bitulithic wearing surface 1½ inches thick, constructing cement concrete gutters, corrugated iron culverts, etc.

Improving Florence street from pavement in place in North Broadway to Grant avenue, by grading, paving with 3-inch asphaltic concrete base with 1½-inch Warrenite Bitulithic wearing surface, cement concrete curbs and gutters; all under Improvement Act of 1911. Certified check 10% payable to city required. Horace Hall, City Engineer.

LOS ANGELES, Cal.—Until 11 a. m., Aug. 29, bids will be received by Supervisors of Los Angeles county for constructing a water system in the town of Lancaster, comprised in Los Angeles County Water Works District No. 4. The plant will include two pumping stations, 75,000-gallon elevated steel tank and tower, and distributing system with cast iron pipe. F. G. Dessery and E. R. Bowen, Central Bldg., engineers. Estimated cost, about $60,000.

NAPA, Napa Co., Cal.—The Supervisors have rejected bids received for surfacing with gravel that portion of the Silverado Trail between Oak Knoll Ave. and the Cross Road to Countville, and work ordered done by day labor under the supervision of County Engineer Edw. P. Ball.
James A. Daly, County Clerk.

OAKLAND, Cal.—Hutchinson Co., 44 17th street, Oakland, awarded contract by council to improve portions of north half of 39th street by grading, 2,045 square foot; concrete curbs, $.75 lineal foot; concrete gutter, $.26 square foot, oil macadam pavement, $.135 square foot; cement sidewalks, $.18 square foot. Geo. Mattis, Cnty Engineer.

FULLERTON, Orange Co., Cal.—The $280,000 water bond issue was sold to J. H. Moulton & Co. and Stevens & Co. of Los Angeles, at a premium of $4275. Proceeds of the bonds will be used for extensions and improvements to the municipal water system. Ben F. Duty, City Engineer.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Railway Bldg., awarded the contract at $29,-385.51 for improving Third street between Western and Norton avenues involving 89,222 square feet grading at 2c foot; 89,222 square feet asphaltic paving at 26c foot; 159 feet curb at 65c foot; 124 square feet sidewalk at 21c foot; 3098 square feet concrete gutter at 33c foot; $250 for storm drain and asphalt wearing surface at Third and Manhattan at 16c foot. Other bids were: George H. Oswald, $30,794.20; Geo. R. Curtis, $30,854.11; engineer's estimate, $28,609.35.

ORLAND, Glenn Co., Cal.—Warren Bros. Company, Rialto Bldg., San Francisco, have been awarded a contract by the Trustees for paving 20 blocks of streets. Contract price in the neighborhood of $150,000.

SOUTH PASADENA, Los Angeles Co., Cal.—Napier & Simpson, San Fernando, awarded contract at $13,864.03 for improving Spruce street, involving 77,-000 square feet macadam pavement, 7500 square feet cement gutter, 3200 square feet sidewalk, 2300 cubic yards grading, 600 feet curb, 350 feet 6-in. sewer and culvert. Their unit prices were: 50c cubic yard grading, 50c foot curb, 22c square foot gutter, 11½c square foot paving, 20c square foot sidewalk, $250 lump sum sewers and $300 for culvert. R. B. Orbison, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—County Engineer R. Press Smith instructed to prepare plans for road through Pocket canyon on Forestville-Guerneville highway.

REDWOOD CITY, San Mateo Co., Cal.—Bid of W. W. Thompson, Redwood City, for oiling road around county poor farm rejected by supervisors as being too high and County Engineer Geo. Kneese ordered to do the work.

SANTA CRUZ, Santa Cruz Co., Cal.—Bid of American Cast Iron Pipe Co. for furnishing and delivering cast iron pipe and fittings accepted by City Council. James K. James, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—County Engineer James K. James preparing plans for grading, paving with concrete and constructing sewers and storm drains in portions of Bay street.

RICHMOND, Contra Costa Co., Cal.—City Council, A. C. Faris, Clerk, passes resolution of intention No. 389 to improve 29th street between Cutting boulevard and Potrero avenue by grading, paving with 2-course asphaltic concrete pavement, 5 inches thick, constructing concrete curbs, gutters and sidewalks, corrugated or steel and cement culverts, etc. Work under Improvement Act of 1911. H. D. Chapman, City Engineer.

GLENDALE, Los Angeles Co., Cal.—Until 7:30 P. M., Sept. 1, bids will be received by City Clerk J. C. Sherer for construction of a sanitary sewer in Glendale Ave., Verdugo Road and Canada Blvd., under bond issue of Municipal Improvement District No. 3. Plans and specifications on file in the office of the city clerk.

SACRAMENTO, Cal.—City Commissioners, M. J. Desmond, Clerk, awarded contracts as follows:
McGillivray Construction Co., Capital National Bank Bldg., Sacramento, for improving Y street from 21st to 28th streets by constructing concrete curbs and gutters, 8 concrete manholes, placing 24 gutter drains and connecting same to sewer with 6-in. vitrified sewer pipe, constructing 8-in. vitrified pipe sewers, grading and paving with 5½-in. of asphaltic concrete; also improving the alley between 22nd and 23rd streets from manhole to be constructed at intersection of Y street to manhole at intersection of alley between X and Y streets by constructing 8-in. vitrified pipe sewer; also alley between 23rd and 24th streets from manhole to be constructed at intersection of Y street to manhole in place of said alley between X and Y streets by constructing 8-in. vitrified pipe sewer; also 25th street from manhole in place at intersection of Y street to manhole in place at intersection of the alley between Y and Burnett Way by constructing 8-in. vitrified pipe sewer; also 26th street from manhole in place at intersection of Y street to manhole in place at intersection of alley between Y and Burnett Way by constructing 8-in. vitrified pipe sewer.

Same were awarded contract to improve Markham Way from Freeport boulevard to W. P. right-of-way by grading, constructing concrete curb and gutter, placing 2 cast iron gutter drains and connecting same to 6-in. vitrified sewer pipe, constructing 1 concrete manhole and 8-in. vitrified pipe sewer and paving with 5½-in. asphaltic concrete; improving Freeport boulevard by constructing 8-in. vitrified pipe sewer in Markham Way, easterly from Freeport boulevard to sewer in place and constructing 1 concrete manhole.

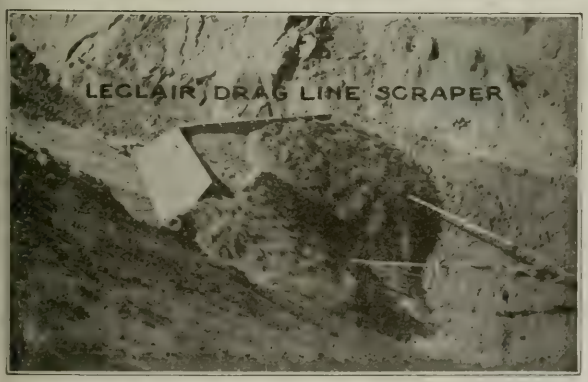
McGillivray Construction Co. also awarded contract to improve San Jose Way from Fourth to Eighth avenues, by grading, constructing concrete curbs and gutters, 2 concrete manholes, reconstructing 2 existing manholes, placing 10 cast iron gutter drains and connecting same to 6-in. vitrified sewer pipe; constructing 8-in. vitrified pipe sewer, approximately 62 square feet of concrete sidewalk and paving the street with an asphaltic concrete pavement 5½ inches thick.

Clark & Henery Construction Co., Oehsner Bldg., Sacramento, awarded contract to improve 34th street from 4th to 5th avenues, by grading, constructing concrete curbs and gutters, placing 1 cast iron gutter drain and connecting same to sewer with 6-in. vitrified sewer pipe and paving with 5½-in. asphaltic concrete.

J. W. Terrell, 1111 29th street, Sacramento, awarded contract to improve the alley between T and U streets, from 48th to 51st streets by constructing an 8-in. vitrified pipe sewer with 48 6-in. vitrified Y branches, 2 6-in. vitrified flusher branches and 1 concrete manhole.
Albert Givan, City Engineer.

FRESNO, Fresno Co., Cal. — Bids have been ordered received by the Fresno County Supervisors for gravel macadamizing the Whites Bridge road from Jameson to Dos Palos, in three divisions. Chris. P. Jensen, County Highway Engineer.

POMONA, Los Angeles Co., Cal.—City Engineer F. C. Froehde estimates the cost of the proposed Garey avenue storm drain at about $12,000. Of this amount the city will pay $6000 from a bond issue and the property owners will pay the remainder. The assessment district has been fixed



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PHOENIX, Ariz.—White & Miller, 127 N. St. Andrews Pl., Los Angeles, submitted the lowest bid at $74,374.08 for paving the Phoenix-Tempe highway from the city limits 3 miles east with 4-in. asphaltic concrete base and 2-in. bitulithic surface. All other bids were for concrete pavement 5½-in. thick at edges and 6-in. at middle, as follows: Lee Moor Constr. Co., El Paso, $77,364.25; Jack Davey, Tucson, $78,069.99; O. C. McElrath, Mesa, $80,627.79; Morgan, Ford & Co., Phoenix, $83,988.29; Goodman & Merrill, St. Davids, $85,339.09; deWaard & Cobham, Nogales, $88,217.09; Kisselburg & Smith, Phoenix, $88,553.39; McPeak, Burton & Bruckman, Los Angeles, $89,090.39. Thos. Maddock, State Engineer.

SANTA BARBARA, Cal.—A. L. Pendola was awarded the contract for paving Victoria St. between Chapala and San Pascual at 30c sq. ft. for 5-in. cement concrete base and 1½-in. asph. surface; 25c sq. ft. for 3-in. asph. concrete base with 2-in. asph. surface; $1.35 lin. ft. for combined cement curb and gutter; 70c ft. for curb; 25c sq. ft. for concrete gutter; $3350 for storm drain; $470 for sewers and $450 for certain grading.

YUBA CITY, Sutter Co., Cal.—City Trustees, C. C. Kline, Clerk, pass resolution of intention No. 69 to improve Shasta street from Bridge street to its north end; Teegarden avenue from Shasta to pavement in place in Plumas street. Resolution of Intention No. 70: Sutter street, in the Cooper tract, from Plumas to Cooper; Forbes avenue from present pavement in Plumas street to Cooper avenue; Walnut street from Sutter in Cooper tract to south line of Parkhurst addition; Parkhurst street from Forbes avenue to south line of Parkhurst addition; Almond street from Sutter to Forbes avenue, and from Forbes avenue to street running over lot 32 of Alta addition; portions of Alpine avenue, Chestnut, Olive, Orange and Scott streets; all by grading, paving with 5-inch concrete, including construction of concrete curbs, etc.; Improvement Act 1911. Protests August 31. Edward von Geldern, City Engineer.

SACRAMENTO, Cal.—Commissioners petitioned to pave S street between 31st and 32nd. Albert Givan, City Engineer.

YUBA CITY, Sutter Co., Cal.—County Engineer Edward Von Geldern completing plans for highway unit between Knights Landing and Kirksville and will submit estimates at the next meeting of the county board for constructing highway from O'Banion Corners to Kirksville.

NEWMAN, Stanislaus Co., Cal.—Town trustees decide to pave 18 additional blocks of streets: R street from Merced to Yolo, and from Kern to Merced; Tulare street from N to P and Merced street for its entire length. The improvement is in addition to the contract already under way with the Warren Construction Co. of San Francisco, and which totals approximately $125,839. W. R. Sherman, Town Engineer.

SACRAMENTO, Cal.—City Commissioners, M. J. Desmond, Clerk, pass resolution of intention (No. 1551) to improve portions of R, 43rd, 44th, 45th and 46th streets and four alleys by constructing vitrified pipe sewers, concrete manholes, etc.

Resolution of intention (No. 1552) also passed to improve Santa Cruz way from 5th to 8th avenues by constructing concrete curbs and gutters, placing 2 C. I. gutter drains and connecting same to sewer with 6-inch vitrified sewer pipe, grading and paving with 5½-inch asphaltic concrete. Albert Givan, city engineer.

SACRAMENTO, Cal.—J. W. Terrell, 1111 29th street, Sacramento, awarded contract by City Commission for improving alley between 36th and 37th streets from manhole opposite alley first north of Folsom boulevard to a point 480 feet north by constructing 8-inch vit. pipe sewer with 20 6-inch Y branches; 1 6-in. flusher branch.

Terrell also awarded contract to improve the alley first north of Folsom boulevard from 37th to 38th streets by constructing vit. pipe sewer with 3 6-in. vit. Y branches and 1 6-in. vit. flusher branch; 1 concrete manhole; also the easement bet. 37th and 38th from manhole to be constructed in alley first north of Folsom boulevard to a point 530 ft. north by constructing 8-in. vit. pipe sewer with 25 6-in. Y branches and 1 6-in. flusher branch.

T. M. Burns, 2207 M St., Sacramento, awarded contract to improve Bigler Way from manhole in place in Sacramento Blvd. to a point 250 ft. west by constructing 7 6-in. vit. Y branches; 1 concrete manhole. Albert Givan, City Engineer.

RENO, Nevada.—The City Council decides to pave First street from West to Stevenson; Riverside Drive from Stevenson to Ralston; Second street from Sierra to Chestnut; Sierra from Fourth to Ninth; Ninth street from Sierra to Virginia.

BRENTWOOD, Contra Costa Co., Cal.—Joe Cesa, Antioch, at $3,326, submitted only bid to trustees of Liberty Union High School District for constructing concrete drive and sidewalk at the high school. Bid rejected and work indefinitely postponed.

OROVILLE, Butte Co., Cal. — Until Aug. 30, 5 p. m., bids will be received by Mildred P. Martin, secretary, Oroville Union High School District, for constructing curbs and gutters on property of high school abutting on Bridge street. Specifications may be had from S. J. Norris, City Engineer.

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HOLLISTER, San Benito Co., Cal.—W. I. McReynolds, Hollister, awarded contract by trustees for improving West street from Fourth street to west town limits, by grading and paving with concrete, 5 in. thick and constructing cement curbs. Alfred M. McCray, Town Engineer.

HOLLISTER, San Benito Co., Cal.—Until Aug. 29, 7:30 p. m., bids will be received by D. F. H. McPhail, City Clerk, for improving east half of Monterey street from B street to south town limits; Sixth street from Sally to College; Seventh street from East to West streets; Haydon street from San Benito to West; Hawkins street between San Benito and West streets, all by grading, paving with cement concrete 5 in. thick and constructing concrete curbs. Improvement Act 1911. Alfred M. McCray, Town Engineer.

FRESNO, Fresno Co., Cal.—Until 2 p. m., Sept. 6, bids will be received by Supervisors of Fresno county for the following road work:

Route 11, Sec. B, involving 16,270 cu. yds. excav., 858,380 sq. ft. paving and 23 culverts.

Route 18, Sec. A, involving 12,050 cu. yds. excav., 665,050 sq. ft. paving and 11 culverts.

Bids will be taken for four different types of pavement on each section, concr. base with bitulithic or modified Topeka top and asph. concr. pavement, bitulitchic or unpatented. Plans may be obtained from County Surveyor Chris Jensen, Cory Bldg., on payment of cost of blueprints. Certified check for 10%.

ESCONDIDO, San Diego Co., Cal.—The Escondido Chamber of Commerce will ask the supervisors of San Diego county to use the $160,000 road bond interest money that has accrued from the county's Liberty bonds to pave the 6-mile section over Poway mountain which has been graded.

MARYSVILLE, Yuba Co., Cal.—Frank Titus, Marysville, at 13 cents sq. ft., awarded contract by council to construct cement sidewalks around Cortez Park. Other bids: Thos. Peirano, 14 cents; G. M. Baumgardner, 15 cents; A. B. Silver, 15 cents. The contract price run in the neighborhood of $1,500. W. M. Meek, City Engineer.

SAN FRANCISCO. — Clinton Construction Co., 140 Townsend street, at $155,928, submits low bid to Board of Public Works for constructing section C of the Ocean Beach Esplanade. Other bidders were: Healy-Tibbitts Construction Co., $193,200; Clarence B. Eaton, $196,800. The bid of Tibbitts-Pacific Co., at $191,868, was declared invalid, due to the fact that it was not signed. M. M. O'Shaughnessy, City Engineer.

LOS ANGELES, Cal.—E. L. Garretson & Son, 1216 Second street, Santa Monica, was awerded the contract at $48,679.19 for paving Santa Monica boulevard from La Brea boulevard to Fairfax avenue with concrete.

BAKERSFIELD, Kern Co., Cal.—Valley Construction Co., Bakersfield, awarded contract by council to construct 370 lin. ft. curb at 50 cents ft. and 1323 sq. ft. of gutters at 35 cents sq. ft. in north end of Baker street. R. H. Hubbard, City Engineer.

OAKLAND, Cal.—Until Sept. 1, 12 noon, bids will be received by Eugene K. Sturgis, City Clerk, for improving 68th avenue from East 14th to Snell street by grading, constructing con-

crete curbs, gutters and sidewalks and paving with oil macadam, constructing corrugated iron and concrete and wood culverts, etc. Improvement Act 1911. Certified check 10% payable to city required. Specifications on file in office of clerk. Geo. Mattis, City Engineer.

RICHMOND, Contra Costa Co., Cal.—H. B. Chapman, City Engineer, preparing plans for improving 2nd street from Ohio to Cutting boulevard with 5-in. asphaltic concrete pavement; sidewalks will be constructed from Ohio to Virginia streets.

MARTINEZ, Contra Costa Co., Cal.—Until Sept. 6 bids will be received by Supervisors for paving of the road from the north end of 23rd street, Richmond, to the state highway at San Pablo, approximately one-quarter of a mile. Bids will be taken either on concrete or black asphaltic base 18 ft. wide. R. R. Arnold, County Engineer.

MARTINEZ, Contra Costa Co., Cal.—County Engineer R. R. Arnold instructed by Supervisors to prepare plans for the sewers in the newly formed Alhambra Heights Sewer District. Connection will be made with the Martinez system. A petition seeking the formation of the San Pablo Sewer District has been referred to the County Engineer for report.

MARTINEZ, Contra Costa Co., Cal.—Erickson & Petterson, Monadnock Bldg., San Francisco, at $5,450, awarded contract by Supervisors for grading Section 2, Division 19, lying immediately below the dam-site of the East Bay Water Co., on San Pablo Creek, a distance of 2550 ft. Six other bids received.

Guerin Bros., at $10,036, awarded contract for graveling Division No. 25 of the county highway system, which is now under contract to grade, and is also what is known as Marsh Creek road, a distance of 4.43 miles. Contract to consist of furnishing all labor and machinery to take the gravel from the creek, clean and place on road.

R. R. Arnold, County Engineer.

SACRAMENTO, Cal.—Until Sept. 6, 2 p. m., bids will be received by Harry W. Hall, county clerk, for constructing a portion of Highway No. 14: River Road through the town of Courtland, the same being the uncompleted gap between Stations 311:52 and 318:10, a distance of 658 ft. Specification No. 55. Certified check 10% required with each bid. Specifications may be had from County Highway Commission, Courthouse, Sacramento. Drury Butler, county engineer.

PETALUMA, Sonoma Co., Cal.—Following bids received by Council for improving Bodega avenue from Upham street to west city limits, involving 833 cu. yds. excavation and 38,552 sq. ft. 5-in. concrete base:

John Rielly, Santa Rosa, (1) grading, $1.40 cu. yd.; (2) paving, $0.12 sq. ft.

Schluneger Bros., Petaluma, (1) $1.65; (2) $.095.

General Construction Co., San Francisco, (1) $1.60; (2) $.14½.

Hugh Crummey, Oakland, (1) $1.28; (2) $.089.

City will furnish all materials. Bids taken under advisement. N. S. Frost, city engineer.

SAN DIEGO, Cal.—Geo. R. Daley, 440 McNeece Bldg., submitted the lowest bid for improving a portion of Girard street in La Jolla at $16,972.86. Daley also low bidder for improving portions of Pennsylvania avenue and Eagle street at $4,282.21. Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., Los Angeles, submitted the lowest bid for improving portions of Ray street at $5,024.49.

UKIAH, Mendocino Co., Cal. — Until Sept. 13, 11 a. m., bids will be received by Hale Prather, county clerk, for constructing the West End Nash and State Highway road beginning at Engineer's Station 54 and ending at Engineer's Station 118, 4325 feet. Certified check 10% required with each bid. Plans on file in office of clerk. E. H. Smith, county surveyor.

VENTURA, Ventura Co., Cal.—All bids received by the County Supervisors, Aug. 1, for grading and constructing culverts and storm ditch on 1½ miles of road in Upper Ojai Valley from Sulphur mountain to Pan-American Oil Co. camp were rejected as too high and the work will probably be readvertised at the next meeting of the board. Two bids were received, as follows:

J. P. Hunter—(a) 4350 c. y. excav. at $1.90 yd; (b) 284 cu. yds. grouted boulders at $15 yd; (c) 22 cu. yds. concr. in culverts at $20 yd; (d) 1440 lbs. steel at 10c lb.; (e) 2250 ft. B. M. lumber in crossings at $150 per M.

T. E. Hill & Co.—(a) $1.50, (b) $6.50, (c) $25, (d) 10c, (e) $90.

VENICE, Los Angeles Co., Cal.—Stutzer & Sedgwick, Mennotti Bldg., Venice, awarded contract at $4691.99 for paving with concr. Recreation Park, Recreation Ave., Tide Ct., Tide Ave., Azure Ct. and Azure Ave.

NAPA, Napa Co., Cal.—City Council, H. H. Thompson, Clerk, passes resolution of intention to improve Madison street from 1st street northerly by grading, paving with a 2-course asphalt macadam 40 feet wide, constructing concrete curbs and catchbasins. Protests will be heard Aug. 29. H. A. Harrold, City Engineer.

LOS ANGELES, Cal.—E. L. Garretson, 1216 2d street, Santa Monica, submitted the lowest bid at $48,679.19 for paving Santa Monica boulevard from La Brea to Fairfax avenue, 5339 feet in R. D. No. 3, with 6-inch concrete pavement 18 feet wide on either side of Pacific Electric tracks. Other bids received by board of supervisors were: C. E. Frisbie, $49,021.83; Wells & Bressler, $51,181.04; Reilly & Peterson, $53,443.80; Wm. Liddington, $53,515.05; Southwest Paving Co., $53,938.04; Geo. Oswald, $55,733.39; Fairchild-Gilmore-Wilton Co., $56,329.60; Kneen Paving Co., $57,309.56; Geo. S. Benson & Son, $62,563.01. Bids referred to County Road Department.

EUREKA, Humboldt Co., Cal.—City Engineer Harry H. Hannah preparing plans for graveling, constructing wood sidewalks, curbs, gutters and culverts in Union street between Pacific and Wabash.

MERCED, Merced Co., Cal.—County Surveyor A. E. Cowell has been instructed to prepare plans for grading, graveling and macadamizing Merced-Snelling-Merced Falls roads, sections 1 and 5, extending from bridge across Merced river known as Cox Ferry bridge to the town of Merced Falls.

LOS ANGELES, Cal.—C. R. Butterfield, 6612 S. Figueroa St., has been awarded contract at $10,533.84 for improving 39th street between Pacific Ave. and Carolina St. Engineer's estimate, $10,580.

Will F. Peck, 4568 Finley Ave., awarded contract at $3907.51 for improving Romaine St. between Oxford and Western. Engineer's estimate, $4004.

Wm. Liddington, 420 E. 60th St., awarded contract at $5212.92 for improving Serrano Ave., between Romaine and Lemon Grove. Engineer's estimate, $5255.

Wm. Liddington awarded the contract at $25,488.56 for improving Seward St. between Santa Monica Blvd. and Melrose. Engineer's estimate $27,153.

Wm. Liddington awarded contract at $7213.30 for improving De Longpre Ave, between Kingsley and first alley west of Harvard. Engineer's estimate, $7267.

C. W. Shafer, 1614 Temple St., awarded contract at $27,180.46 for improving Fawn Ave. north from Reservoir St. Engineer's estimate, $27,272.

LOS ANGELES, Cal.—Until 11 a. m., Aug. 29, bids will be received by Supervisors of Los Angeles County for constructing a water system in the town of Lancaster, comprised in Los Angeles County Water Works District No. 4. The plant will include two pumping stations, 75,000-gallon elevated steel tank and tower, and distributing system with cast iron pipe. F. G. Dessery and E. R. Bowen, Central Bldg., engineers. Estimated cost about $60,000. Approximate quantities are: 1500 ft. 8-inch and 3408 feet 6-inch, 10,608 feet 4-inch Class B cast iron pipe and fittings; 13,200 feet 3-inch and 11,500 ft. 2-in. black standard screw pipe, alternate bids to be taken on plain or dipped pipe; 2 8-in. hub end, 1 8-in. flange end, 3 6-in. flange end and 24 4-in. hub end gate valves; 45 3-in. and 25 2-in. screw gates; 9 4-in. two-way fire hydrants; 30 2½-in. fire hydrant valves, 85 4-in. steel valve boxes and covers; 75,000-gallon steel tank and tower with 100 ft. overflow line; concrete foundation for tank and tower; two pumps, concrete floor and pipe trenches and miscellaneous concrete work; two frame buildings, one for turbine pump and derrick at well and one for booster pump; vertical turbine pump direct connected to motor; booster pump 500 gallons per minute, 100 lbs. pressure at discharge of pump; drilling well 500 ft. deep, 14-in. first 150 ft. and 10-in. remainder; riveted steel sand trap and blow-off. All bids must be in duplicate.

FORTUNA, Humboldt Co., Cal.—Until September 5, 6 P. M., bids will be received by Town Trustees for constructing concrete sidewalks in north side of C street from Spring to First and from C to Carl street, on west side of First street. Certified check for 5% required with each bid. Specifications on file in office of City Clerk.

SAN FRANCISCO—Supervisors considering adoption of ordinance authorizing Board of Public Works to call bids for improving Point Lobos ave. from 48th ave. to Great Highway, estimated cost, $130,000. M. M. O'Shaughnessy, City Engineer.

SAN FRANCISCO.—Clinton Construction Co., 140 Townsend St., at $155,928, awarded contract by Board of Public Works for constructing approx. 1200 lin. ft. reinforced concrete pavement, Section C, Ocean Beach Esplanade. M. M. O'Shaughnessy, City Engineer.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications for improving Ellert St. bet. Andover and Bennington, estimated cost, $575. Project involves 1476 sq. ft. asphaltic concrete pavement and 99 lin. ft. concrete curbs.

BUSINESS OPPORTUNITIES

W. F. Boyden, Midas Nev. has a large deposit of asbestos with fiber running from short to 10 in. in length.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1722	Barrett	Owner	5000
1723	Bellis	Penny	2650
1724	Huenergarat	Owner	800
1725	Nelson	Owner	8000
1726	Nelson	Owner	7500
1727	Nelson	Owner	3000
1728	Nelson	Owner	3250
1729	Lagomarsino	Owner	7600
1730	Fassio	Owner	12000
1731	Janssen	Owner	11850
1732	Nyman	Owner	3500
1733	Sharman	Owner	2400
1734	Community	Sharman	800
1735	Christian	Owner	500
1736	Luce	Cook	950
1737	Monte	Arnott	12600
1738	Moneta	Arnott	3638
1739	Crocker	Gurnette	1065
1740	Weisel	Owner	800
1741	Brown	Owner	10000
1742	Nelson	Owner	9000
1743	Gibson	Owner	5000
1744	Klute	Mohler	9200
1745	May	Allen	12000
1746	Same	Same	16000
1747	Frazies	Henderson	1600
1748	Connell	Connolly	900
1749	Leigh	Owner	12000
1750	Muzio	Owner	6000
1751	Dempsey	Merritt	4000
1752	Coakley	Bacon	2500
1753	Sharp	Owner	999
1754	Barrett	Barrett	750
1755	Magill	Peterson	7500
1756	Peterson	Peterson	7500
1757	Rehe	Owner	600
1758	Precita	Owner	3000
1759	Peters	Owner	4500
1760	Hemminga	Owner	4000
1761	Frazies	Henderson	1600
1762	Lange	Owner	500
1763	Mendelson	Kronnick	1500
1764	Lawrence	Kronnick	18703

PERMITS

FLATS
(1722) E. 16TH AVE. 75 S. CABRILLO. Two-story and basement frame (2) flats.
Owner—Joe Burrett, 627 23rd Ave.
Architect—None.
Day's work. $5000

ALTERATIONS, ETC.
(1723) 941 14TH ST. Alterations and general repairs for residence.
Owner—John D. Bellis, 941 14th St.
Architect—None.
Contractor—Isaac Penny, 902 Chronicle Building. $2650

ALTERATIONS
(1724) 1111 CLAY ST. Alterations for basement garage.
Owner—D. G. Huenergardt, 165 6th Av.
Architect—None.
Day's work. $800

DWELLINGS
(1725) E. WAWONA 221 S. VICENTE; E. Wawona 255 S. Vicente. Two 1-story and basement frame dwellings.
Owners — Fernando Nelson & Sons, West Portal Park.
Architect—None.
Day's work. Each, $4000

DWELLINGS
(1726) W. WAWONA 185 S. ULLOA; W. Wawona 263 S. Ulloa. Two 1-story and basement frame dwellings.
Owner — Fernando Nelson & Sons, West Portal Park.
Architect—None.
Day's work. Ea. respectively $4000 $3500

DWELLINGS
(1727) E. FORESTSIDE 225 S. ULLOA; E. Forestide 189 S. Ulloa. Two 1-story and basement frame dwellings.
Owner — Fernando Nelson & Sons, West Portal Park.
Architect—None.
Day's work. Each $3000

DWELLING
(1728) W. FORESTSIDE 166 S. ULloa. One-story and basement frame dwelling.
Owner — Fernando Nelson & Sons, West Portal Park.
Architect—None.
Day's work $3250

DWELLINGS
(1729) E EIGHTEENTH AVE 275 and 300 S Cabrillo. Two one-story and basement frame dwellings.
Owner—Mrs. E. Lagomarsino, 213 3rd Ave., San Francisco.
Architect—None.
Day's work. $3800 each

FLATS
(1730) SW TWENTY-SIXTH AVE & Balboa. Two-story and basement frame (4) flats.
Owner—V. Fassio and V. Franz, 517 New Call Bldg., San Francisco.
Architect—None.
Day's work. $12,000

RESIDENCES
(1731) N SIXTEENTH AVE 125, 150 and 175 S Cabrillo. Three one-story and basement frame residences.
Owner—E. A. Janssen, 402 Hearst Bldg. San Francisco.
Architect—None.
Day's work. $3950 each

RESIDENCE
(1732) N. MUNICH 326 E. NAPLES. One-story and basement frame residence.
Owner—Carl E. Nyman, 375 Noe St.
Architect—None.
Day's work. $3500

DWELLINGS
(1733) S. PALOU 175 W. NEWHALL. Two 1-story and basement frame dwellings.
Owner—T. L. Sharman, 1440 Shafter Ave.
Architect—None.
Day's work. $1700 ea.

COMMUNITY CLUB
(1734) N. QUESADA 125 E. RAILroad. One-story frame community club bldg.
Owner—Community Club.
Architect—None.
Contractor—T. L. Sharman, 1440 Shafter Ave. $800

ENTRANCES FOR STORE
(1735) 1127 SUTTER ST. Construct two entrances for store.
Owner—F. Christian, 1127 Sutter St.
Architect—None.
Day's work. $500

REPAIRS, ETC.
(1736) S. W. FLORIDA AND 25TH Sts. Construct brick foundation; tar and gravel roof; other minor repairs for residence.
Owner—A. Luce, 1031 Market St.
Architect—None.
Contractor—A. Cook, 1300 Florida St. $950

RECORDED

RESIDENCES
(1737) SE FLOOD AVE & PHELAN E 25xS 82-6; S Flood Ave 25 E Phelan E 25xS 82-6; S Flood Ave 50 E Phelan E 25xS 82-6; S Flood Ave 75 E Phelan E 25xS 82-6. All work except painting, electric work, paper, finish hardware and shades for four one-story residences.
Owner—Moneta Investment Co., Pacific Bldg., San Francisco.
Architect—None.
Contractor—James Arnott & Son, 4165 Army St., San Francisco.
Filed Aug. 22, '21. Dated Aug. 11, '21.
Foundation in $3150
Rough plumbing and electric.. 3150
Completed 3150
Usual 35 days..... 3150
TOTAL COST, $12,600
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported July 28, 1921 No. 1601.

RESIDENCE
(1738) N STAPLES AVE 330 E Genessee E 30xN 112-6. All work except painting, electric fixtures, wall paper, finish hardware and shades for one-story residence.
Owner—Moneta Investment Co., Pacific Bldg., San Francisco.
Architect—None.
Contractor—James Arnott & Son, 4165 Army St., San Francisco.
Filed Aug. 22, '21. Dated Aug. 11, '21.
Foundation up $909.50
Rough plumbing and electric work done 909.50
Completed 909.50
Usual 35 days..... 909.50
TOTAL COST, $3638.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported July 28, 1921 No. 1600.

ALTERATIONS
(1739) NW LAGUNA AND WASHINGton N 159-8½ W 137-6 S 32 W 82-6 S 127-8½ E 225 WA 239. All work for alterations at 2301 Laguna St. and 2220 Washington St.
Owner—Mary Ives Crocker, 2301 Laguna St., San Francisco.
Architect—None.
Contractor—Gurnette & Chandler, 51 Beaver St., San Francisco.
Filed Aug. 22, '21. Dated Aug. 22, '21.
Touching up $390
75% of extras when completed.. 408
25% of extras usual 35 days.... 266
TOTAL COST, $1065
Bond, $533. Sureties, W. G. McDiarmid and Lawrence Rath. Limit, 40 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1740) NO. 660 EIGHTH AVE. Construct concrete foundation; general repairs for flats.
Owner—Oliver R. Weisel, 660 8th Ave., San Francisco.
Plans by Owner.
Day's work. $800

FRAME FLATS
(1741) SW FLORIDA AND ARMY. Two-story and basement frame (4) flats.
Owner—Ward C. Brown, 2945 Harrison St., San Francisco.
Architect—None.
Day's work. $10,000

FRAME FLATS
(1742) E FUNSTON AVE 50 S Geary. Two-story and basement frame (2) flats.
Owner—Emil Nelson, 747 Fillmore St., San Francisco.
Architect—None.
Day's work. $9000

RESIDENCE
(1743) W. 32ND AVE., 330 S. LINCOLN Way. One-story and basement frame residence.
Owner—R. N. Gibson, 424 Ellis St.
Plans by Owner.
Day's work. $5000

RECORDED

BUNGALOWS
(1744) W. 22ND 225 S. ANZA S. 50 x 120. All work for 2 5-room bungalows.
Owner—William Klute, 2704 Bush St., San Francisco.
Architect—None.
Contractor—T. E. Mohler, 255 8th Ave.
Filed Aug. 23, '21. Dated Aug. 23, '21.
When frame is up.....$2300
When brown coat is on..... 2300
When completed 2300
Usual 35 days..... 2300
TOTAL COST, $9200
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications none.

FLATS
(1745) N CALIFORNIA 85 W Arguello Blvd. Two-story and basement frame (2) flats.
Owner—Louis May, Care Architect.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Post St., San Francisco. $12,000

FLATS
(1746) NW ARGUELLO BLVD & CALIFORNIA. Two-story and basement frame (4) flats.
Owner—Louis May, Care Architect.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Post St., San Francisco. $16,000

REPAIRS
(1747) 1612 BAKER. Repair fire damage to residence; plastering, painting, glazing, Johns-Manville asbestos roof, etc.
Owner—Mrs. Clara Frazies, Premises.
Architect—None.
Contractor—W. D. Henderson, 619 Monadnock Bldg., San Francisco. $1600

RESIDENCE
(1748) S PALOU 250 E Phelps. One-story & basement frame residence.
Owner—James Connell, 3058 San Bruno Ave., San Francisco.
Architect—None.
Owner—Thos Connolly, 3060 San Bruno Ave., San Francisco. $900

FLATS
(1749) SW CABRILLO & TWENTIETH Ave. Two-story and basement frame (4) flats.
Owner—David Leigh, 840 44th Ave., San Francisco.
Architect—Noen.
Day's work. $12,000

ALTERATIONS
(1750) SE HOWARD AND TWENTY-first. Alter 2d floor for apartments.
Owner—P. Muzio, 3216 22nd St., S. F.
Architect—None.
Day's work. $6000

ALTERATIONS
(1751) NW CHURCH & FOURTEENTH. Alter and repair restaurant.
Owner—Dempsey Grill, Premises.
Architect—None.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $1000

RESIDENCE
(1752) W KISLING 90 NW Eleventh. One-story and basement frame residence.
Owner—E. J. Coakley, 640 Fulton St., San Francisco.
Plans by Owner.
Contractor—W. E. Bacon, 1241 Broderick St., San Francisco. $2500

ADDITION
(1753) S FOURTEENTH 60 E Castro. Additions for dwelling; asphalt and gravel roofing, etc.
Owner—Anna J. Sharp, 983 14th St., San Francisco.
Architect—None.
Day's work. $999

ADDITION
(1754) 928 HARRISON. One-story frame addition for construction shed; making two-story building.
Owner—Barrett & Hilp, 404 Sharon Bldg., San Francisco.
Architect—None.
Day's work. $750

FRAME FLATS
(1755) E ELEVENTH AVE 252 N Cabrillo. Two-story and basement frame (2) flats.
Owner—Elizabeth G. & W. W. Magill, 751 12th Ave., San Francisco.
Architect—None.
Contractor—Gustav Peterson, 683 9th Ave., San Francisco. $7500

FRAME FLATS
(1756) E ELEVENTH AVE 227 N Cabrillo. Two-story and basement frame (2) flats.
Owner—Elizabeth Peterson, 683 9th Ave., San Francisco.
Architect—None.
Contractor—Gustave Peterson, 683 9th Ave., San Francisco. $7500

SHOP
(1757) NE HARRIETT 80 SE Howard. One-story frame carpenter shop.
Owner—Chas. Rehe, 567 Minna St., San Francisco.
Architect—None.
Day's work. $600

CLUB HOUSE
(1758) NW PRECITA AND HARRISON. Two-story frame club house.
Owner — Precita Valley Community Club, 2291 Harrison St., S. F.
Architect—Chester Brown, 137 Ripley St., San Francisco.
Day's work. $3000

RESIDENCE
(1759) E TWELFTH AVE 250 N Cabrillo. Two-story and basement frame residence.
Owner—J. M. Peters, 1010 Balboa St., San Francisco.
Architect—None.
Day's work. $4500

RESIDENCE
(1760) W TWENTY-SECOND AVE 25 S Cabrillo. Two-story and basement frame residence.
Owner—Nick Hemminga, 3910 22nd St., San Francisco.
Architect—None.
Day's work. $4000

ALTERATIONS, ETC.
(1761) 1612 BAKER ST. Alterations and additions for residence.
Owner—Mrs. Clara Frazies, 1216 Baker St.
Architect—None.
Contractor—W. D. Henderson, 619 Monadnock Bldg. $1600

ADDITION
(1762) E 41ST AVE, 125 N CABRILLO. Addition of 2 rooms and closet for apartment.
Owner—Wm. F. Lange, 776 41st Ave.
Architect—None.
Day's work. $500

REPAIRS
(1763) 1866 SUTTER ST. Repair damage to residence; electric, painting, plastering, etc.
Owner—M. Mendelson, S E Bush and Polk Sts.
Architect—None.
Contractors — Kronnick Bros., 1659 O'Farrell St. $1500

RECORDED

FLATS
(1764) NW FOURTEENTH AVE AND Fulton N 27-6x100. All work for two-story frame flat building.
Owner—Mrs. Mary V. T. Lawrence, 1034 Vallejo St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Post St., San Francisco.
Filed Aug. 25, '21. Dated June 30, '21.
Frame up $4675.75
Brown plaster 4675.75
When completed 4675.75
Usual 35 days..... 4675.75
TOTAL COST, $18,703.00
Bond, $4676. Sureties Henry S. Bridge and Richard P. Minor. Limit, 120 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

Recorded Accepted

Aug. 25, 1921—S FRANCISCO 100 W Polk W 123-6xS 137-6. Oscar H Curtaz to whom it may concern... .....Aug. 25, 1921

Aug. 25, 1921—S PINE 137-6 W Mason. A Penziner to whom it may concern .....—

Aug. 23, 1921—E THIRTY-EIGHTH Ave 200 N "C" 25x120. A Hicks to A C Hamerton.....Aug. 22, 1921

Aug. 22, 1921—SW GEARY AND Twenty-eighth Ave W 32-6xS 100. Mrs. J G. Trebucq to whom it may concern.....Aug. 8, 1921

Aug. 19, 1920—NW BALBOA AND Eleventh Ave N 100xW 32-6. Jeanette Liebman to whom it may concern .....August 18, 1921

Aug. 19, 1921—LOT 11 BLK 16, St. Francis Wood Extension No. 1. Charles Kellie to William J and H C Mangels.....—, 1921

Aug. 18, 1921—W ALBION 100 N 16th N 24-6xW 112-11. Giovanni Risso to whom it may concern. Aug 18, 1921

Aug. 17, 1921—W THIRTY-FIRST Ave 261-5½ N California S 27-3½ x W 120. Lillie Wissman to Theodore G & Rollin E Meyer. Aug 3, 1921

Aug. 17, 1921—SE MARKET 125 SW Brady SW 84-6xSE 124. Mortimer Fleishhacker to W C Duncan & Co .....July 22, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Aug. 24, 1921—NW HIGHLAND AND Bennington N 102.6xW 25. City Constr Co vs J O'Malley.....$726.71

Aug. 19, 1920—NW JERSEY AND Vicksburg N 25.4 x W 100. Hart-Wood Lumber Co. vs. Edward E. Sullivan and A. G. Hathcock..$300.19

Aug. 19, 1921—N CABRILLO 30 W 47th Ave W 60 x N 100. Joost Bros. vs. Harry J. Frank and Charles C. Williams $90.98

Aug. 18, 1921—NW JERSEY AND Vicksburg N 25-4xW 100. Eureka Sash, Door & Moulding Mills vs Edward E Sullivan & A G Hathcock $164

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded — Amount

Aug. 24, 1921—E 8TH AVE 150 N Balboa N 25 x E 120. Inlaid Floor Co. vs E. P. and Mrs. E. P. Meadows $239.30

Aug. 24, 1921—NE 21ST ST AND Church N 101-6 E 80 S 101-6 W to beginning. Daniel L. Bienfield as Daniel L. Bienfield & Co. to James A. Clark, Mary Sigwart, Anna Morrison, Kate Frontin and Joseph B. Clark.....

Aug. 22, 1921—NW JERSEY AND Vicksburg N 25-4 x W 100. Eureka Sash, Door & Moulding Mills to Edward E. Sullivan and A. G. Hathcock .....

Aug. 20, 1921—S CLIPPER 125 W Dolores W 25 x S 114. W. A. Holton vs. M. Doran.....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Aug. 24, 1921—S TURK 67-6 W POLK W 90 S 120 W 60 N 30 E 30 N 90. McClure Investment Co.....

Aug. 20, 1921—S PACIFIC BET Laguna and Buchanan, 2173 Pacific Ave. First Federal Trust Co. As to improvements on property.....

Aug. 17, 1921—N PACIFIC 97-6 W Sansome W 41 N 57-6 E 1 N 11-3 E 40 S 68-9. Abraham Hilson as to improvements on property.....

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2800	Brazier	Owner	2500
2801	Ferguson	Tranmal	6300
2802	Balser	Skaggs	——
2803	Tamm	Smith	1000
2804	Oakland	Faulkes	1400
2805	Leitch	Barnes	4400
2806	Malley	Malley	4000
2807	Bolfing	Klinghofer	3400
2808	Hunt	Owner	1400
2809	Durham	Sommarstrom	8500
2810	Goss	Owner	1250
2811	Frost	Owner	3500
2812	Collins	Isaacs	4500
2813	Metcalf	Dashiell	3000
2814	Esposeta	Rodriges	590
2815	Houck	Owner	1000
2816	Nash	McPhee	2000
2817	Mosca	Owner	2000
2818	Mosca	Owner	400
2819	Hilson	Bernstein	2100
2820	Hilson	Advance	1875
2821	Hilson	Doell	2908
2822	Wessa	Forbes	2600
2823	Sieghold	Rich	5000
2824	Fisher	Burke	7500
2825	Holmes	Holland	1600
2826	Porter	Rich	4500
2827	Lemke	Mentzer	450
2828	Morse	Hopper	3000
2829	Plva	Hanner	600
2830	Hunter	Owner	4250
2831	Hemphill	Owner	500
2832	Richardson	Owner	500
2833	Smith	Owner	500
2834	Zwicker	Zwicker	3750
2835	Williams	Owner	2000
2836	Campbell	Gold	2000
2837	Leonard	Owner	12000
2838	Vlerich	Owner	3500
2839	Lekos	Owner	20000
2840	Davis	Langtry	450
2841	Kuletich	Marinko	700
2842	Sherry	Brennan	15000
2843	Harris	Michael	800
2844	St. Mary	Poe	4000
2845	Decoto	Doss	500
2846	Castro	Leiter	6727
2847	Keddock	Kulchar	500
2848	Gossett	Rice	500
2849	Spaulding	Owner	3000
2850	Houck	Owner	5000
2851	Ash	Federal	400
2852	Brenton	Owner	3500
2853	Ohman	Owner	5000
2854	Fonte	Walker	3500
2855	Knigset	Sanders	2500
2856	Anderson	Owner	1000
2857	Benedek	Owner	1000
2858	Norling	Lodge	1000
2859	Frederickson	Owner	4000
2860	Carlson	Francis	3000
2861	Anderson	Smith	500
2862	Home	Mason	3000
2863	Perry	Richard	400
2864	Wright	Knight	4000
2865	Morcom	Kopf	6774
2866	Century	Owner	2000
2867	Morgensen	Morgensen	4300
2868	Schans	Salmon	2000
2869	Fernandez	Owner	4000
2870	Schuster	Owner	5000
2871	Engdahl	Isakson	3000
2872	Harrington	Andrew	800
2873	Trabucco	Owner	2000
2874	Prenville	Anderson	11000
2875	Pacific	Nall	500
2876	Hughes	Hughes	500
2877	Hughes	Hughes	500
2878	Coses	Theile	500
2879	Lawrence	Kopf	9871
2880	Jacobs	Owner	1200
2881	Peppin	Owner	4000
2882	Raffo	Ucello	400
2883	Hayes	Sullivan	800
2884	Lee	Jones	490
2885	Lekos Bros.	Feldheimer	1682
2886	Lekos Bros.	McPhee	4850
2887	Lekos Bros.	Baccus	5993
2888	Lekos Bros.	Jepsen	1350
2889	Castor	Leiter	6727
2890	Varley	Smith	1750
2891	Johnson	Knight	6500
2892	Thomas	Thomas	700
2893	Whalen	Owner	4000
2894	Burket	Pfrang	9000
2895	Mitchell	Lindquist	3000
2896	Deuble	Attebery	3000
2897	Smalley	Owner	500
2898	Beverino	Garello	500
2899	Deuble	Atterbery	2800
2900	Mallen	Owner	2500
2901	Fore	MacGregor	——
2902	Daul	Maasberg	5000

PERMITS

DWELLING
(2800) N LINCOLN 83 W McGee, Berkeley. One-story 5-room dwlg.
Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(2801) 1 PANORAMIC WAY, Berkeley. Two-story 4-room dwelling and garage.
Owner—Mrs. Mary Van Evern Ferguson.
Architect—Walter F. Steilberg, 38 Panoramic Way, Berkeley.
Contractor—E. Tranmal, 483 Chescent St., Oakland. $6300

GARAGE
(2802) 1430 SPRUCE, Berkeley. Garage.
Owner—Mrs. Sada Balser, Premises.
Architect—None.
Contractor—J. H. Skaggs, 536 44th St., Oakland. $——

REPAIRS
(2803) 1533-35 WALNUT, Berkeley. Fire repairs.
Owner—Rosie Tamm.
Architect—None.
Contractor—Harry C. Smith, 2011 Francisco St., Berkeley. $1000

SCHOOL
(2804) TENTH AND ALICE, Oakland. One-story 1-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. $1400

DWELLING
(2805) S COTTAGE AVE 91 E Warfield, Oakland. Two-story five-room dwelling and garage.
Owner—Carrie L. Leitch, 424 Pala Ave., Piedmont.
Architect—None.
Contractor—H. W. Barnes, 64 Garland Ave., Oakland. $4400

DWELLING
(2806) SE FIFTY-NINTH AND McCall, Oakland. One-story 6-room dwelling.
Owner — F. T. Malley, 900 Lakeshore Ave., Oakland.
Architect—None.
Contractor—H. G. Malley, 2947 West St., Oakland. $4000

DWELLING
(2807) N LEACH AVE 90 W Everett Ave., Oakland. One and one-half-story 5-room dwelling.
Owner—A. T. Bolfing, 3710 Leighton St., Oakland.
Architect—None.
Contractor—L. Klinghofer, 2015 Linden St., Oakland. $3400

ALTERATIONS
(2808) 260 PERKINS, Oakland. Alterations.
Owner—E. G. Hunt, premises.
Architect—None.
Day's work. $1400

CREAMERY
(2809) SW COR 7TH AND CASTRO Sts., Oakland. One-story brick veneer creamery.
Owner—Durham Farm Creamery, 1427 7th St., Oakland.
Architect—None.
Contractor — Sommarstrom Bros. Co., 1941 24th Ave., Oakland. $8500

DWELLING
(2810) E 13TH AVE 75 N, E-33D ST., Oakland. One-story 4-room dwelling.
Owner—F. E. Goss, 3921 Ruby St., Oakland.
Architect—None.
Day's work. $1250

DWELLING, GARAGE
SW COR HOPKINS AND WILSON, Oakland. One-story 5-room dwelling and garage.
Owner—W. H. Ingram, 3515 Diamond Ave., Oakland.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland. $4200
NOTE—Recorded contract reported Aug. 19, 1921. No. 2798.

DWELLING
(2811) E AYALA ST 82½ N MARTIN St., Oakland. One-story 6-room dwelling
Owner—Thomas S. Frost, Colma.
Architect—None.
Day's work. $3500

DWELLING
(2812) W KINGSLAND AVE 75 S Cole, Oakland. One and one-half story 6-room dwelling.
Owner—Wm. R. and Edythe A. Collins.
Architect—L. F. Hyde, 26th Ave., Oakland.
Contractor—Harry W. Isaacs, Syndicate Bldg., Oakland. $4500

DWELLING
(2813) S VIRGINIA AVE 75 W KNOWland. One-story 5-room dwelling.
Owner—H. L. Metcalf, 2418 High St., Oakland.
Architect—None.
Contractor—E. L. Dashiell, 1666 67th Ave., Oakland. $3000

ADDITION
(2814) 5922 NOBLE ST., Oakland. Addition.

Owner—Pete Esposeto.
Architect—None.
Contractor—Albers & Rodriges, 5152 Foothill Blvd., Oakland. $590

ADDITION
(2815) E EVANS AVE 280 S EVERett Ave., Oakland. Addition.
Owner—H. L. Houck, 4452 Evans Ave., Oakland.
Day's work. $1000

ALTERATIONS
(2816) 2740 BROADWAY, Oakland. Alterations.
Owner—Nash Motor Co., Oakland.
Architect—None.
Contractor—A. J. McPhee, 2144 E 27th St., Oakland. $2000

DWELLING
(2817) W 105TH AVE 300 S KNIGHT, Oakland. One-story 5-room dwelling.
Owner—Louis E. Mosca, 401 105th Ave., Oakland.
Architect—None.
Day's work. $2000

DWELLING
(2818) N HORTENSE 125 E MOOR Park, Oakland. One-story 2-room dwelling.
Owner—Jos. E. Mosca, 401 105th Ave., Oakland.
Architect—None.
Day's work. $400

RECORDED

PAINTING
(2819) LOTS 92 AND 93, Oakland Prospect Homestead, Oakland. Painting for 2-story and basement frame apartments.
Owner—D. L. and R. S. Hilson, Martinez.
Architect—Alexander A. Cantin, 68 Post St., San Francisco.
Contractor—Wm. Bernstein, 819 Divisadero, San Francisco.
Filed Aug. 19, '21. Dated May 14, '21.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $2100
Bond, none. Limit, 125 days. Forfeit, $10. Plans and specifications filed.

(2820) ELECTRIC WORK ON ABOVE
Contractor—Advance Electric Co., 350 12th St., Oakland.
Filed Aug. 19, '21. Dated July 28, '21.
Payments same as above.....
TOTAL COST, $1875
Bond, $940. Surety, Globe Indemnity Co. Limit, 75 days. Forfeit, $5. Plans and specifications filed.

(2821) HEATING ON ABOVE.
Contractor—Carl Doell, 467 21st St., Oakland.
Filed Aug. 19, '21. Dated July 29, '21.
Payments same as above.....
TOTAL COST, $2908
Bond, none. Limit, 75 days. Forfeit, $10. Plans and specifications filed.

ALTERATIONS, ETC.
(2822) E WAVERLY ST 130.82 N 23D St. N. 32 E 100, Oakland. Alterations and additions (1-story dwelling to 2-story dwelling).
Owner—Mrs. A. L. Wessa, Oakland.
Contractor—J. W. Forbes, 841 Union St., Oakland.
Dated July 19, '21; filed Aug. 19, '21.
When frame is up.....$ 500
When plastered 520
When completed and accepted.... 500
Usual 35 days 520
TOTAL COST, $2600
Bonds, sureties, none; forfeit, $2; limit, 60 days. Plans and specifications filed.

DWELLING
(2823) SE COLUSA AND TACOMA, Berkeley. One-story 6-room dwlg.
Owner—Mabel M. Sieghold, 4944 Claremont Ave., Oakland.
Architect—None.
Contractor—James L. Rich. $5000

DWELLING
(2824) N MENDOCINO 200 W Circle, Berkeley. Two-story nine-room dwelling.
Owner—H. O. Fisher, Berkeley.
Architect—None.
Contractor—C. E. Burks, 4129 Randolph Ave., Oakland. $7500

DWELLING
(2825) S MONTEREY 150 S Keeler, Berkeley. One-story 3-room dwlg.
Owner—M. P. Holmes.
Architect—None.
Contractor—W. J. Holland, 758 56th St., Oakland. $1600

DWELLING
(2826) S PARKER 100 E Piedmont, Berkeley. Two-story 6-room dwlg.
Owner—Alice M. Porter, Dana Hotel, Berkeley.
Architect—None.
Contractor—James L. Rich, 943 42nd St., Oakland. $4500

GARAGE
(2827) 200 YOLO, Berkeley. Garage.
Owner—C. Lemke.
Architect—None.
Contractor—C. E. Mentzer, 1134 Evelyn Ave., Berkeley. $450

ADDITION
(2828) E BDWY 70 S MATHER ST. Oakland. One-story brick addition to garage.
Owner—W. C. Morse, Broadway and Mather, Oakland.
Architect—James W. Plackek, 2014 Shattuck Ave., Berkeley.
Contractor—M. E. Hopper & Son, 1117 Webster St., Oakland. $3000

DWELLING
(2929) S E-14TH ST 50 E 96TH AVE., Oakland. One-story 3-room dwelling.
Owner—Mrs. Piva, 9619 E-14th St., Oakland.
Architect—None.
Contractor—W. J. Hanner, 1921 89th Ave., Oakland. $600

DWELLING
(2830) W FAIRFAX AVE 350 N Ygnacio, Oakland. One-story 5-room dwelling.
Architect—None.
Owner—P. D. Hunter, 2348 Telegraph, Oakland.
Day's work. $4250

DWELLING
(2831) FISH RANCH ROAD, Oakland. One-story 3-room dwelling.
Owner—R. Hemphill, 2416 Roosevelt Ave., Berkeley.
Architect—None.
Day's work. $500

DWELLING
(2832) FRUITVALE EXTENSION, Oakland. One-story 3-room dwelling.
Owner—Geo. Richardson, 2506 19th Ave., Oakland.
Architect—None.
Day's work. $500

DWELLING
(2833) E LOMA VISTA 350 N KANsas. One-story 4-room dwelling.
Owner—Mrs. Ellen Smith, 2150 Wilbur St., Oakland.
Architect—None.
Day's work. $500

DWELLING
(2834) S MAJESTIC AVE 37 W 62nd Ave., Oakland. Two-story 6-room dwelling.
Owner—Mrs. Lucille Zwicker.
Architect—None.
Contractor—F. Zwicker $3750

(2835) N MAJESTIC AVE 150 W 64th Ave., Oakland. One-story five-room dwelling.
Owner—E. L. Williams, 961 63rd St., Oakland.
Architect—None.
Day's work. $2000

ALTERATIONS
(2836) 625 OAKLAND AVE., Oakland. Alterations.
Owner—J. H. Campbell, 1400 Jackson St., Oakland.
Architect—None.
Contractor—F. E. Gold, 731 Cleveland St., Oakland. $2000

APARTMENTS
(2837) W OHIO 162 S Prince, Oakland Two-story 16-room apartments.
Owner—E. L. Leonard, 289 Kenmore St., Oakland.
Architect—None.
Day's work. $12,000

DWELLING
(2838) E PERALTA AVE 50 S Brookdale, Oakland. One-story 5-room dwelling.
Owner—August Vlerich, 3120 Peralta Ave., Oakland.
Architect—None.
Day's work. $3500

FLATS
(2839) N SEVENTH bet. Campbell & Willow, Oakland. Two-story store and flats.
Owner—Lekos Bros., 1676 7th St., Okd.
Architect — James W. Plachek, 2014 Shattuck Ave., Berkeley.
Day's work. $20,000

ADDITION
(2840) 944 THIRTY-FIFTH, Oakland. Addition.
Owner—J. E. Davis.
Architect—None.
Contractor—J. R. Langtry, 739 Aileen St., Oakland. $450

ALTERATIONS
(2841) 1925 WARNER AVE., Oakland Alterations and additions.
Owner—K. Kriletich.
Architect—None.
Contractor—P. Marinko, 305 Campbell St., Oakland. $700

DWELLING
(2842) 29 EUCALYPTUS ROAD, Berkeley. Two-story 10-room dwlg. and garage.
Owner—A. V. Sherry .
Architect—None.
Contractor—J. P. Brennan, 1519 Hearst Ave., Berkeley. $15,000

ADDITION
(2843) NE KEELER AND MARIN, Berkeley. Addition.
Owner—Mrs. Harris.
Architect—None.
Contractor—George A. Michael, Keeler and Euclid, Berkeley. $800

DWELLING
(2844) SW AUSEON AVE & HOLLY St., Oakland. One-story 6-room dwelling.
Owner—Joe St Mary, 2220 Auseon Ave., Oakland.
Architect—None.
Contractor—Albert L. Poe, 2220 Auseon Ave., Oakland. $4000

ADDITION
(2845) 392 BELLEVIEW AVE., Oakland. Addition.
Owner—Ezra Decoto.
Architect—None.
Contractor—C. A. Doss, 2028 E-15th St., Oakland. $500

DWELLING
(2846) LOT 34 BLK [illegible] Park, Oakland. Two-story 8-room dwelling.

Owner—Mrs. Martha G. Castor, Mills College, Oakland.
Architect—Walter Steilburg, Flatiron Bldg., San Francisco.
Contractor—E. T. Leiter & Sons, Call Bldg., San Francisco. $6727

ADDITION
(2847) 325 CHICAGO AVE., Oakland. Addition.
Owner—Miss J. Keddock.
Architect—None.
Contractor—S. Kulchar, 8th Ave and E-10th St., Oakland. $500

ADDITION
(2848) 6524 DOVER, Oakland. Addition.
Owner—G. V. Gossett.
Architect—None.
Contractor—Geo. E. Rice, 1436 Berkeley Way, Berkeley. $500

DWELLING
(2849) NE EIGHTY-FOURTH AVE & B St., Oakland. One-story five-room dwelling.
Owner—A. A. Spaulding, 1200 84th Ave. Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2850) E EVANS AVE 230 S Everett Ave., Oakland. One-story 7-room dwelling.
Owner—H. L. Houck, 4452 Evans Ave., Oakland.
Architect—None.
Day's work. $5000

ELECTRIC SIGN
(2851) FOURTEENTH AND FRANKlin, Oakland. Electric sign.
Owner—Ash Cigar Co.
Architect—None.
Contractor—Federal Elec. Co., Emeryville. $400

DWELLING
(2852) N GLENDORA AVE 240 W Edgewood, Oakland. One-story 6-room dwelling.
Owner—R. O. Brenton, 1402 E-33rd St., Oakland.
Architect—None.
Day's work. $3500

DWELLINGS
(2853) W 109TH AVE 180 and 232 N Hollywood Blvd., Oakland. Two one-story 4-room dwellings.
Owner—L. F. Ohman.
Architect—None.
Day's work. $2500 each

DWELLING
(2854) SW IRVING AVE AND E-20th St., Oakland. One-story three-room dwelling.
Owner—M. J. Fonte, 2420 E-16th St., Oakland.
Architect—L. F. Hyde, —26th Av., Okd.
Contractor—S. C. Walker, 3231 Boston Ave., Oakland. $3500

DWELLING
(2855) E MINNA AVE 320 N Allendale, Oakland. One-story 5-room dwelling.
Owner—B. Knigzett, 254 Route 1, R. F. D., Oakland.
Architect—None.
Contractor—Martin Sanders, 3750 39th Ave., Oakland. $2500

REPAIRS
(2856) 2715 SIXTY-FIRST AVE., Oakland. Repairs.
Owner—Peter Andersen, Premises.
Architect—None.
Day's work. $1000

ALTERATIONS
(2857) 1630 65TH AVE., Oakland. Alterations.
Owner—L. Benedek.
Architect—None.
Day's work. $1000

ADDITION.
(2858) 1929 69TH AVE., Oakland. Addition.
Owner—Robert F. Norling.
Architect—None.
Contractor—C. F. Lodge. $1000

DWELLING
(2859) W SPRUCE ST 100 N BROOKlyn Ave., Oakland. One-story 6-room dwelling.
Owner—Karl S. Fredrickson, 542 Montclair Ave., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(2860) N YGNACIO AVE 148 W 45TH Ave., Oakland. One-story 5-room dwelling.
Owner—Robert Carlson, 4526 Bond St., Oakland.
Architect—None.
Contractor—E. O. Francis, 3940 E. 14th St., Oakland. $3000

ALTERATIONS
(2861) 1443 COTTAGE ST., Berkeley. Alterations.
Owner—J. Anderson, Premises.
Architect—None.
Contractor—E. B. Smith, Premises. $500

DWELLING
(2862) E FRESNO 160 N Marin, Berkeley. One-story 5-room dwlg.
Owner—Home Loan Corp., Shattuck & Addison, Berkeley.
Architect—None.
Contractor—Mason-McDuffie, Shattuck and Addison, Berkeley. $3000

REPAIRS
(2863) 1110 EAGLE AVE., Berkeley. Repairs.
Owner—Manuel Perry, Premises.
Architect—None.
Contractor—L. D. Richard, 1614 Bay St., Berkeley. $400

DWELLING
(2864) S SAN ANTONIO AVE 100 W Park, Berkeley. One-story five-room dwelling.
Owner—Isabelle D. Wright.
Architect—None.
Contractor—Harry C. Knight, 2265 Powell Blvd., Berkeley. $4000

DWELLING
(2865) S ALMA 400 E EXCELSIOR, Oakland. One and one-half-story 6-room dwelling.
Owner—A. E. Marcom, 730 Wesley St., Oakland.
Architect—None.
Contractor—Ben F. Kopf. $6774

ALTERATIONS
(2866) 14TH AND BROADWAY, Oakland. Alterations.
Owner—Century Theatre, Oakland.
Architect—None.
Day's work. $2000

DWELLING, ETC.
(2867) E BDWY 75 S VIRMAR, Oakland. Two-story 5-room dwelling and garage.
Owner—A. Morgenson, 602 42nd St., Oakland.
Architect—None.
Contractor—Morgensen Bros., Oakland. $4300

DWELLING
(2868) W 82ND AVE N E-14TH ST., Oakland. One-story 5-room dwelling.
Owner—Dora Schams, 8912 B St., Oakland.
Architect—None.
Contractor—G. H. Salmon, Altamont, Cal. $2000

DWELLING
(2869) E 17TH ST 140 S E-20TH ST., Oakland. One-story 6-room dwelling.
Owner—Manuel Fernandez, 1780 18th Ave., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(2870) S ELSENOR AVE 100 W SAN Sebastian St., Oakland. One-story 6-room dwelling.
Owner—Geo. Schuster, 1035 Elsinor Ave., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(2871) E 9TH AVE 83 1-3 E-17TH St., Oakland. One-story 5-room dwelling.
Owner—Edith C. Engdahl, 722 E. 10th St., Oakland.
Architect—None.
Contractor—Isakson & Sons, 3060 Deliview Ave., Oakland. $3000

DWELLING
(2872) 4301 FAIR AVE., Oakland. One-story 4-room dwelling.
Owner—Mrs. W. B. Harrington, 4040 Vale Ave., Oakland.
Architect—None.
Contractor—K. J. Andrew, 1374 E. 36th St., Oakland. $800

DWELLING
(2873) W 46TH AVE 150 S BOND ST., Oakland. One-story 5-room dwelling.
Owner—Joe Trabucco, 1637 4th Ave., Oakland.
Architect—None.
Day's work. $2000

ADDITION TO APTS.
(2874) SE COR 1ST AVE AND E-12TH St., Oakland. Addition to apartments.
Owner—A. E. M. Prenville, premises.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—N. A. Anderson, 1927 Napa Ave., Berkeley. $11,000

ADDITION
(2875) NW COR 40TH AND LINDEN Sts., Oakland. Addition.
Owner—Pacific Graphite Co., Oakland.
Architect—None.
Contractor—Geo. C. Nall, 930 41st St., Oakland. $500

ALT. AND ADD.
(2876) 823 MILTON ST., Oakland. Alterations and addition.
Owner—Mrs. W. Hughes, 823 Milton St., Oakland.
Architect—None.
Contractors — Charles and Milton Hughes. $500

ALT. AND ADD.
(2877) 821 MILTON ST., Oakland. Alterations and addition.
Owner—Mrs. W. Hughes, 823 Milton St., Oakland.
Architect—None.
Contractors — Charles and Milton Hughes. $500

STORE
(2878) N 14TH ST. 100 E FRANKLIN, Oakland. One-story tile store.
Owner—Harry Coses, 2029 Central Ave., Alameda.
Architect—None.
Contractor—F. J. Theile, 3011 Encinal Ave., Alameda. $500

DWELLING
(2879) PARK BLVD. above Moraga Road, Oakland. One and one-half-story 13-room dwelling.
Owner—V. O. Lawrence, 325 13th St., Oakland.
Architect—None.
Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland. $9871

DWELLING
(2880) W PATTERSON AVE 325 N California, Oakland. One-story 4-room dwelling.
Owner—G. S. Jacobs, 1636 13th Ave., Oakland.
Architect—None.
Day's work. $1200

DWELLING
(2881) E RAWSON AVE 250 N Brookdale, Oakland. One-story 6-room dwelling.
Owner—J. B. Peppins, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4000

ALTERATIONS
(2882) 1626 SEVENTEENTH, Oakland. Alterations.
Owner—Louis Raffo, 1703 Peralta Ave., Oakland.
Architect—None.
Contractor—D. Ucello, 17th & Peralta Sts., Oakland. $400

ALTERATIONS
(2883) 589 TWENTY-SEVENTH ST., Oakland. Alterations.
Owner—Mrs. Hayes.
Architect—None.
Contractor—J. Sullivan, 6452 Harmon Court, Oakland. $800

ALTERATIONS
(2884) SW TWENTY-FOURTH AND Broadway, Oakland. Alterations.
Owner—Don Lee.
Architect—None.
Contractor—F. G. Jones. $490

RECORDED

PLUMBING, ETC.
(2885) N SEVENTH between Campbell and Willow, Oakland. Plumbing and sheet metal work for two-story store and flat building.
Owner—Lekos Bros., 1676 7th St., Okd.
Architect — James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Adolph Feldheimer, Ala.
Filed Aug. 24, '21. Dated Aug. 17, '21.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $1682
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported August 23, 1921. No. 2839.

(2886) CARPENTER & MILL WORK on above.
Contractor—A. J. McPhee, 2144 E-27th St., Oakland.
Filed Aug. 24, '21. Dated Aug. 17, '21.
Payments same as above.....
TOTAL COST, $4850
Bond, none. Limit, as soon as possible. Forfeitfi none. Plans and specifications filed.

(2887) BRICK WORK ON ABOVE.
Contractor—Wm. J. Baccus, 351 12th St. Oakland.
Filed Aug. 24, '21. Dated ——.
Payments same as above.....
TOTAL COST, $5993
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(2888) CEMENT WORK ON ABOVE.
Contractor—Jepsen Bros., Berkeley.
Filed Aug. 24, '21. Dated Aug. 16, '21.
Payments same as above.....
TOTAL COST, $1350
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

DWELLING
(2889) LOT 34 BLK 13, Chevrolet Park Tract, Oakland. All work for two-story frame dwelling.
Owner—Martha G. Castor, Mills College Oakland.
Architect—Walter T. Steilberg, Flatiron Bldg., San Francisco.
Contractor—E. T. Leiter & Sons, Call Bldg., San Francisco.
Filed Aug. 23, '21. Dated Aug. 22, '21.
Alternate Fridays 75%
Usual 35 days..... 25%
TOTAL COST, $6727
Bond, none. Limit, 90 days. Forfeit, $1. Plans and specifications filed.
NOTE:—Permit reported August 24, 1921. No. 2846

ALTERATIONS
(2890) 2835 ELLSWORTH ST., Berkeley. Alterations.
Owner—Mrs. Varley, Premises.
Architect—None.
Contractor — Frank Smith, 2230 17th Ave., Berkeley. $1750

DWELLING
(2891) N HAWTHORNE TERRACE 120 W Euclid Ave., Berkeley. One story 6-room dwelling.
Owner—Helen M. Johnson.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland. $6500

DWELLING
(2892) 2730 WALLACE ST., Berkeley. One-story 2-room dwelling.
Owner—Emma T. Thomas, 218 E12th St., Oakland.
Architect—None.
Contractor—Edward D. Thomas, 3141 West St., Oakland. $700

DWELLING
(2893) N AILEEN 80 E Gaskill, Oakland. One-story 5-room dwelling.
Owner—J. F. Whalen, Federal Bldg., Oakland.
Architect—None.
Day's work. $4000

FLATS
(2894) E BROADWAY 500 S Napa, Oakland. Two-story 12-room flats.
Owner—Mrs. Burket, Oakland.
Architect—None.
Contractor—H. C. Pfrang, 5659 Ocean View Drive, Oakland. $9000

DWELLING
(2895) E EIGHTY-FOURTH AVE 200 N Holly St., Oakland. One-story 5-room dwelling.
Owner—Mrs. R. W. Mitchell, 1634 84th Ave., Oakland.
Architect—None.
Contractor—John Lindquist, 1044 53rd St., Oakland. $3000

DWELLING
(2896) W FORTY-SECOND AVE 80 S Carrington, Oakland. One-story 5-room dwelling.
Owner—C. B. Deuble, 560 31st St., Okd.
Architect—None.
Contractor—A. R. Attebery, 2039 42nd Ave., Oakland. $3000

DWELLING
(2897) W MAYBELLE AVE 70 S Fullington St., Oakland. One-story 3-room dwelling.
Owner—E. M. Smalley.
Architect—None.
Day's work. $500

ALTERATIONS
(2898) 1373 SEVENTEENTH, Oakland. Alterations.
Owner—E. Beverino.
Architect—None.
Contractor—P. Garello, 870 47th St., Oakland. $500

DWELLING
(2899) S SUTER ST 230 E Eastman Ave., Oakland. One-story 4-room dwelling.
Owner—C. B. Deuble, 560 31st St., Oakland.
Architect—None.
Contractor—A. R. Attebery, 2039 42nd Ave., Oakland. $2800

DWELLING
(2900) N TYRRELL ST. 108 W. 47TH Ave., Oakland. One-story 5-room dwelling.
Owner—A. G. Mallen, 489 Cavour St., Oakland
Architect—None.
Day's work. $2500

RECORDED

DWELLING
(2901) S COR 2-ACRE TRACT OF which ½ interest was conveyed by Wm. Cavalier and wife to George H Collins, deed recorded 2671 Deeds page 209, NW 145 NE 47.08 SE 133.84 SW 51.29, Piedmont. One-story frame dwelling.
Owner—Chas. W. Fore, 444 Mountain, Oakland.
Architect—Schirmer, Bugbee & Co., Thayer Bldg., Oakland.
Contractor—C M MacGregor, 470 13th St., Oakland.
Filed Aug. 25, '21. Dated Aug. 24, '21.
Frame up and roof sheathed.... ¼
Brown coat on..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $——
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

DWELLING
(2902) LOT 9 BLK G, Sheet No. 1, Map Excelsior Heights, Oakland. All work for one-story frame dwlg.
Owner—William and Alpha Gertrude Daul, 1914 Brush St., Oakland.
Architect—None.
Contractor—E. Maasberg, 1420 Wellington St., Oakland.
Filed Aug. 25, '21. Dated Aug. 24, '21.
Sheathed..... ¼
Brown coated..... ¼
Completed..... ¼
Usual 35 days..... ¼
TOTAL COST, $5000
Bond, none. Limit, 60 days. Forfeit, $1. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Aug. 24, 1921—NE COR 40TH AVE and Mera St., Oakland. H. Nicolai to J. B. Peterson.....Aug. 20, 1921
Aug. 24, 1921—NE COR HEARST AV and Le Roy St., Berkeley. The Beta Theta Pi Hall Assn. to Ben Pearson .....Aug. 22, 1921
Aug. 22, 1921—PTN LOTS 1, 2, 3 BLK 17, Berkeley Villa Assn, Berkeley. Henry and Ida Blinkenstorfer to Fred C Bertheaud.....Aug. 9, 1921
Aug. 18, 1921—HAAS AVE., San Leandro. J. B. U. Pon to M. C. Ingraham.....Aug. 10, 1921
Aug. 16, 1921—LOT 19 BLK 8, Lakeshore Highlands, Oakland. Dr A C Siefert to A Cederborg.Aug. 15, 1921
Aug. 17, 1921—PT 40 NW OF NW Oaks Blvd and NE E-14th St NE 120xNW 40, San Leandro. Herman Millinghausen to H Begier..Aug —

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Aug. 23, 1921—SW "S" and SE County Road No. 1530, SE 35.40 SW 322.74 SW 330 SW 517.44 N 389.16 NE 665.2 NW 82.4 NE 150, Livermore. Carl G Clarke and L A McVicar (as Valley Hardware Co) vs Elizabeth Owens $1144.13
Aug. 22, 1921—N FIFTIETH 105 E Lawton Ave-E 35 N 91.32 W 35.02 S 92.65, Oakland. Century Electric Co vs John Carson..... $164.70
Aug. 19, 1921—N. 50TH ST. 162 10 W. Manila W. 35 N. 90, Oakland. Emeryville Hardware and Tool Co., $60.25, W. C. Austin, $217.50, J. B. McKeon, $70.00; vs. John and

Henrietta Carson .....
Aug. 19, 1920—N 50TH ST 105 E Lawton Ave. E 35 N 91.32 W 35.2 S 92.65. Oakland. L. A. Norris Co. vs. John Carson $31.35

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
Aug. 18, 1921—E PIEDMONT AVE. bet. Westall and Warren, being Lot 87, Oak Park Tract, Oakland. H C Brown Roofing Co, $200; Oakland Lime & Cement Co, $419.95; Daner-Matheny Sash & Door Co, 898; E L Blackman Co, $435.24; L J Kruse, $494.15; Smith Hardware Co, $201.29; Chris Nelson Co, $104.12 to Albert Abrams. W C Marshall and B O Rasmussen.....
Aug. 19, 1921—E PIEDMONT AVE. bet. Westall & Warren, Oakland. California Mortar Co to W C Marshall, Albert Abrams and B O Rasmussen $98
Aug. 8, 1921—NW 5 AV & NE E-7TH St. NE 32 NW 140, Oaland. Sunset Lumber Co. to C. S. Cox.....$84.28

Notice of Non-Responsibility

ALAMEDA COUNTY

Aug. 17, 1921—S 17TH ST 100 W Telegraph Av W 150 S 105, Oakland. Lillian Sparks Fuller as to improvements on property.....

HOMESTEADS

ALAMEDA COUNTY

Aug. 24, 1921—MAP KINSELL TCT No. 2, Oakland. Stephen Hill...$800
Aug. 23, 1921—LOTS 15, 16 AND 17 Blk "C" Map Bay View Tract, Oakland. Jane H Ward (wf Frank D) $3500
Aug. 18, 1921—LOT 122 MAP WOODlawn Park, Alameda. Chas. M. Courtright $4000

ARCHITECT'S CERTIFICATE

ALAMEDA COUNTY

Aug. 22, 1921—Arthur C. Hamlin has filed his Certificate of Architecture for Alameda County.

BUILDING CONTRACTS

FRESNO COUNTY

STORE
2316 CALIFORNIA AVE., Fresno. Store.
Owner—John Weigand, 2103 Rose St., Fresno.
Architect—None.
Day's work. $2500

DWELLING
1433 DEL MAR ST., Fresno. Dwelling.
Owner—M. W. Pearce.
Architect—None.
Day's work. $3500

DWELLING
448 EFFIE ST., Fresno. Dwelling.
Owner—W. G. Harris, 160 Thesta St., Fresno.
Architect—None.
Contractor—G. A. Behuk. $3000

DWELLING
3436 PLATT AVE., Fresno. Dwelling.
Owner—A. W. Thetre.
Architect—None.
Day's work. $1100

APARTMENTS
1134 TUOLUMNE ST., Fresno. Apartments.
Owner—R. Ghiotti, 1363 F St., Fresno.
Architect—None.
Contractor—J. Ramano. $6500

DWELLING
1625 LA SELLE ST., Fresno. Dwelling.
Owner—Teresa Ferrazzano.
Architect—None.
Contractor—Thos. Pinner, 1038 Blackstone St., Fresno. $5000

DWELLING
LOTS 34-35 BLK 11 ROEDING ADD., Fresno. Dwelling.
Owner—Frank E. Casan.
Architect—None.
Day's work. $2000

DWELLING
1242 ALHAMBRA ST., Fresno. Dwelling.
Owner—M. S. Osmun, Fresno.
Architect—None.
Day's work. $6000

GARAGE
H AND AMADOR STS., Fresno. Garage.
Owner—Auto Car Co. of Cal., Fresno.
Architect—None.
Contractor—R. F. Felchlin, Bank of Italy Bldg., Fresno. $26,500

WAREHOUSE
713 H ST., Fresno. Warehouse.
Owner—United Warehouse Co., Fresno.
Architect—None.
Contractor—Trewhitt Shields Co., Rowell Bldg., Fresno. $900

GARAGE
3707 HUNTINGTON AVE., Fresno. Garage.
Owner—E. M. Prescott, 3343 Kerckhoff, Fresno.
Architect—None.
Contractor—O. D. Atkins. $650

ALTERATIONS
1371 POPLAR AVE., Fresno. Dwelling
Owner—Valley Electric Supply Co., Premises.
Architect—None.
Contractor — E. Riggins, 1525 O St., Fresno. $1500

DWELLING
1317 POPLAR AVE., Fresno. Dwelling and garage.
Owner—C. L. Saylor, 3734 Illinois St., Fresno.
Arcihtect—None.
Day's work. $5000

SHOP BLDG., ETC.
SITE OF WASHINGTON UNION HIGH School District at Easton. All work for shop building and two-room class.
Owner—Washington Union High School District.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—E. C. Martin Constr. Co.
Filed Aug. 23, '21. Dated Aug. 22, '21.
When ½ completed.....$2000
When ⅔ completed..... 1000
Upon completion 1000
Usual 35 days..... 5883
TOTAL COST, $9883
Bond, $5000. Surety, Republic Casualty Co. Limit, 35 working days. Forfeit, $1. Plans and specifications filed.

ALTERATIONS
829 J ST., Fresno. Alterations.
Owner—American Railway Exchange Co., 941-45 J St., Fresno.
Architect—none.
Contractor—Valley Constr. Co. $1000

STORE
2508 KERN ST., Fresno. Store.
Owner—Frank Freehon.
Architect—None.
Contractor—J. F. Cavanough. $2000

POST OFFICE
N AND KERN STS., Fresno. Post Office building.
Owner—Floyd Burks, 2221 San Joaquin St., Fresno.
Architect—None.
Contractor—R. F. Felchlin, Bank of Italy Bldg., Fresno. $22,000

DWELLING
430 ATCHESON ST., Fresno. Dwelling
Owner—T. H. Luce.
Architect—None.
Contractor—J. F. Cavanough. $900

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Aug. 23, 1921—LOT 7 BLK 10, Wilson North Fresno Tract, Fresno. Anna Coffee to whom it may concern... .....August 22, 1921

LIENS FILED

FRESNO COUNTY.

Recorded Amount
Aug. 23, 1921—LOTS 11 AND 12 BLK 29, Fresno. Chas Osterode vs Frank Mayeda, Matias and Marie Erro $12
Aug. 23, 1921—N ½ OF N ½ OF SW ¼ of Sec. 23, 13-17, Fresno. Ross Sloper & Wm R Parkins vs Frank H Booth $13
Aug. 23, 1921—LOT 3 N ½ OF LOT 4 Blk 1, Duncan Addition, Fresno. L Rosenberg vs Lena Johnson and Albert Coates $19
Aug. 22, 1921—LOTS 25 AND 26 BLK 18, College Park Addition, Fresno. D Demilto vs Blasingame & Fountain $5
Aug. 20, 1921—LOTS 17 AND 32 BLK 8, F H B Palm Villa Tract, Fresno. Theodore Keech vs Geo Norolan... ....$129
Aug. 20, 1921—NE ¼ OF SEC. 22, SW ¼ Of Sec. 14, NW ¼ of Sec. 23, S ½ of SE ¼ of Sec. 14, 12-21, Fresno. J C and P B Horchman vs J F Sophy Jr, Chas Teague, Chas H Hanford and F C Balfe..$69
Aug. 19, 1921—S ½ OF LOT 68, Calif. Poultry Farms, Fresno. Maisler & Benj Aaron vs R S Bleekman...$16

BUILDING CONTRACTS

SANTA CLARA COUNTY.

SMALL HOUSE
AUZERAIS NR. GIFFORD, San Jose. Small house.
Owner—Mrs. Zanavia.
Architect—None.
Day's work. $495

COTTAGE
11TH NR. MARTHA, San Jose. Five-room cottage.
Owner—H. C. Wells.
Architect—Owner.
Day's work. $2500

SMALL STORE
11TH AND WASHINGTON, San Jose. Small store.
Owner—G. Cancilla, Monterey rd., San Jose.
Architec—None.
Day's work. $480

REMODEL HOUSE
337 JEROME, San Jose. Remodel house.
Owner—M. Pardini.
Architect—None.
Contractor—C. Maurer $475

COTTAGE
KING RD. NR. SANTA CLARA. Four-room cottage.
Owner—C. Watson.
Architect—E. L. Slaght.
Contractor—E. L. Slaght. $2270

ALTERATIONS
33 N. THIRD San Jose. Alterations.
wner—C. Miller.
rchitect—None.
ontractor—A. J. Nielson. $1500

ARAGE
6TH AND SAN FERNANDO, San Jose. Garage.
wner—Margaret Mason.
rchitect—None.
ontractor—E. L. Slaght, 752 S. 9th St., San Jose. $480

OTTAGE
TH AVE. NR. SAN CARLOS, San Jose. Five-room cottage.
wner—Mrs. Jones.
rchitect—A. M. Whiteside, 71 S. 19th St., San Jose.
ay's work. $3000

WELLING
ALO ALTO. All work for one-story frame dwelling.
wner—Sallie J. Atkinson, Palo Alto.
rchitect—None.
ontractor—Soren Pors & Walter E. Hansen, Palo Alto.
iled Aug. 18, '21. Dated Aug. 11, '21. Ready for plaster.....$1000
Plastering finished .....
Four lots in lieu of..... 2100
House completed 1000
Usual 35 days..... 750
TOTAL COST. $4850
ond. $3000. Sureties, Nels Hansen & Fiehman. Limit, 150 working days om August 11, 1921. Specifications ly filed.

ESIDENCE
AN JUAN HILL, Stanford University, Cal. All work on two-story residence.
wner—Prof. S. D. Townley, Stanford University, Cal.
rchitect—A. B. Clark, Stanford University, Cal.
ontractor — George Bertsche, Palo Alto, Cal.
iled Aug. 18, '21. Dated Aug. 18, '21.
work progresses.....75%
ual 35 days 25%
TOTAL COST, $13,720
ond. $6260; sureties, Royal I. Heath Samuel Pedgrift; forfeit, none; mit. 100 working days from date. ans and specifications filed Aug. 18, 21.

UNGALOW, ETC.
AN JOSE, Cal. Hicks Ave. All work One-story and basement frame bungalow and combined garage and barn.
wner—A. A. Woodruff, Hicks Ave., San Jose, Cal.
rchitect—Wesley W. Hastings, 524 E. St James St., San Jose, Cal.
ntractor—A. M. Whiteside, 71 S. 19th St., San Jose, Cal.
led Aug 19, '21. Dated Aug. 9, '21.
hen frame of bldg. is up.....$ 2,621
hen first coat of plaster is on. 2,621
hen all is com. and accepted.. 2,621
ual 35 days..... 2,621
TOTAL COST, $10,484
nd. $6,000; sureties, R. H. Borchers d F. P. Heringer; forfeit, none; limit, 0 working days after date. Plans d specifications filed.

RIDGE
VO MILES WEST OF MILPITAS on Coyote Creek. All work for wooden bridge.
wner—Antone Brandone, Milpitas.
chitect—None.
ntractor—Louis Klein, 490 34th St., Oakland.
led Aug 23, '21. Dated Aug. 17, '21.
Footings poured & girders set..$200
pon completion .....
TOTAL COST. $600
nd. none. Limit, 60 working days m Aug. 22, 1921. Forfeit, none. ans and specifications filed.

SCHOOL
SANTA CLARA. Cement walks, curbs, caps and necessary grading and installing of catchbasins for two-story cement school building.
Owner—Board of Education of Santa Clara School District, Santa Clara.
Architect—None.
Contractor—M. E. Kilcourse.
Filed Aug. 24, '21. Dated Aug. 24, '21.
Completed and accepted $1000
Usual 35 days..... 311
TOTAL COST $1,311
Bond, $800. Sureties, J. W. McClay and W. A. Dunlap. Limit, 20 working days from Aug. 18, 1921. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded Accepted
Aug. 24, 1921—PART LOT 8 BLK 7, Prevost's Survey City of San Jose. Oscar T. Martin to whom it may concern.....Aug. 24, 1921
Aug. 23, 1921—ALUM ROCK AVE & 33rd St., San Jose. Mike Indiveri to whom it may concern..Aug. 23, '21

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Aug. 23, 1921—PART OF SW ¼ of Section 28, Township 6 South R 2 W M D M. O P Mills vs Mary Sladky and V Papazion.....$145.85
Aug. 23, 1921—SAN JOSE. Frank F Serpa vs Frank Vargas Cardozo and Frank Neves $132.50

BUILDING CONTRACTS

SACRAMENTO COUNTY.

DWELLING
4530 11TH AVE., Sacramento. One-story 5-room dwelling.
Owner—A. W. Griffin, 4535 11th Ave., Sacramento.
Architect—None.
Contractor—F. F. Francis, 4625 10th St., Sacramento. $2800

REMODEL
1415 7TH ST., Sacramento. Remodel 2nd story.
Owner—August Rurdy, premises.
Architect—None.
Contractor—C. Vanina, 2022 M St., Sacramento. $840

DWELLING
3106 6TH AVE., Sacramento. One-story 4-room dwelling.
Owner—E. N. Jordan, Wright Apts., Sacramento.
Architect—None.
Contractor—B. H. Bill, 5253 Marshall Way, Sacramento. $1800

FRAME SHED
128 12TH ST., Sacramento. Frame lumber shed.
Owner—Sacramento Lumber Co., 12th and North B Sts.
Architect—None.
Contractor—W. A. Thielbahr, 12th St. road, Sacramento. $2500

DWELLING
314 24TH ST.—S¼ LOT 4 D-E-24-25. One-story 5-room dwelling.
Owner—Howard Kimbrough, 817 J St., Sacramento.
Architect—None.
Sontractor—J. W. Brown, 3410 38th St., Sacramento. $3140

DWELLING
328 25TH ST., Sacramento. One-story 5-room dwelling.
Owner—Howard Kimbrough, 817 J St., Sacramento.
Architect—None.
Contractor—J. W. Brown, 3410 38th St., Sacramento. $3149

DWELLING
2330 PERKINS WAY, Sacramento. One-story 4-room dwelling.
Owner—Fred V. Fredson, 2330 Perkins Way, Sacramento.
Architect—None.
Day's work. $1200

DWELLING
855 FORTY-THIRD ST., Sacramento. One-story 3-room dwelling.
Owner—Miss Vera N. M. 2331 Donner Way, Sacramento.
Architect—None.
Contractor—Thos. H. Hart, 2329 S St., Sacramento. $3000

ALTERATIONS
717 THIRTEENTH ST., Sacramento. Remodel interior of basement and put one-story underneath.
Owner—G. S. Doney, 714 13th St., Sacramento.
Architect—None.
Contractor—Jas. T. Ransdall, 1055 41st St., Sacramento. $2400

DWELLING
2126 FIFTEENTH ST., Sacramento. One-story 5-room dwelling.
Owner — C. Valine, Box 370, Sacramento.
Arcitect—None.
Day's work. $2500

DWELLING
1049 FORTIETH ST., Sacramento. One-story 6-room dwelling.
Owner—S. Bloom, 405 28th St., Sacramento.
Architect—None.
Contractor—W. L. Chatterton, 1032 42nd St., Sacramento. $6200

ADDITION
703 I ST., Sacramento. Brick addition.
Owner—John La Rue, 701 I St., Sacramento.
Architect—None.
Contractor—C. Vanina, 2022 N St., Sacramento. $1575

SHED
2319 S ST., Sacramento. Corrugated iron side shed.
Owner—W. D. McKoy, 3029 E St., Sacramento.
Architect—None.
Day's work. $1000

REMODEL FLATS
1818 L ST., Sacramento. Remodel four flats.
Owner—F. J. Magon, premises.
Architect—None.
Day's work. $4500

DWELLING
1420 56TH ST., Sacramento. One-story 4-room dwelling.
Owner—[illegible] 1421 18th St., Sacramento.
Architect—None.
Day's work. $1000

DWELLING
3079 MARSHALL WAY, Sacramento. Two-story 2-flat dwelling.
Owner—C. H. Bailey, 3001 Harper Ave., Sacramento.
Architect—None.
Day's work. $4000

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Aug. 22, 1921—NW FIFTY-THIRD & J Sts., Sacramento. Sacramento City School District to whom it may concern.....Aug. 22, 1921
Aug. 22, 1921—S ½ TRACT 229, Orangevale, Cal. Orangevale Fruit Growers Exchange to whom it may concern..Aug. 10, 1921

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

ALTERATIONS
111 B ST., Stockton. Remodel residence.
Owner O. Baerlocher.
Architect—None.
Day's work. $1200

ALTERATIONS
ARLINGTON CAFETERIA. Stockton. Remodel.
Owner—A. A. Solari.
Architect—None.
Day's work. $1800

RESIDENCE
FAIR OAKS AVE., Stockton. Residence
Owenr—Godfrey Inabait.
Architect—None.
Days work. $1500

ALTERATIONS
316 EAST WEBER AVE., Stockton. Remodel store.
Owner—Henry Backes.
Architect—None.
Day's work. $2500

RESIDENCE
NORTH OPHIR ST., Stockton. Residence.
Owner—W. M. Cookson.
Architect—None.
Day's work. $4000

RESIDENCE
NORTH YOSEMITE ST., Stockton. Residence.
Owner—R. E. Davidson.
Architect—None.
Day's work. $2900

ALTERATIONS
WEST POPLAR ST., Stockton. Remodel residence into (4) flats.
Owner—Edith Fontana.
Architect—None.
Days' work. $7000

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

Recorded Accepted
Aug. 18, 1921—CENTER ST. NO. 13½, Stockton. W M Fowler to L E Hertzig and M A Orcutt. Aug 18, 1921

BUILDING CONTRACTS

SAN MATEO COUNTY

RESIDENCE
LOT 11 BLK 3, Glenwood Park, Burlingame. All work for one-story residence and garage (bungalow type, exterior plastered).
Owner — W. H. and Mary Eunice Augustus.
Architect—None.
Contractor—John W. Rutherdale, Redwood City.
Filed Aug. 20, '21. Dated Aug. 13, '21.
Roofed $1250
Plastered 1250
Completed 1250
Balance, $2050, at the rate of $32.50 per month with interest 7% secured by 2d Deed of Trust
TOTAL COST, $5800
Bond, none. Limit, on or before Oct. 15, **1915, erect and finish.** Forfeit, none. Plans and specifications filed.

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

COMPLETION NOTICES

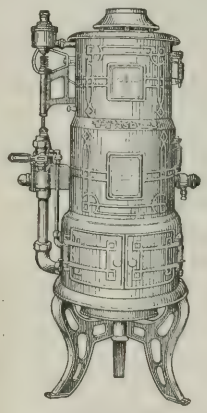
SAN MATEO COUNTY.

Recorded Accepted
Aug. 19, 1921—COR MAIN ST AND Kelly Ave., Halfmoon Bay. Jos. Debenedtti Estate Co. to John Morton .....Aug. 9, 1921
Aug. 19, 1921—LOT 3 BLK 10 BURlingame Park Sub. No. 2, Burlingame, Cal. William H. and Annie S. Diehl to C. H. Bessett Building Co. .....Aug. 1, 1921

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Aug. 18, 1921—LOT 10 BLK 11 Western Addition to San Mateo, San Mateo. R A Miller vs Freda and J H Postel.....$190



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FRED C. SCOBIE CHOSEN FOR STATE WATER SURVEY

The proposed survey of the water esources of California, which is to clude a comprehensive study of irri-ation problems, hydro-electric power evelopment and kindred subjects, as been placed in charge of Fred Scobie, hydraulic engineer from the ureau of Good Roads of the United tates Department of Agriculture by 7. F. McClure, head of the Division of rigation of the newly created State epartment of Public Works.

Under McClure, Scobie will be in ll charge of the work, for which an ppropriation of $200,000 was made the last session of the Legislature.

Will Collect Data

The survey is one of the most com-rehensive of its kind ever proposed the West, and while it will prob-bly be several months before surveys the field are begun, McClure stated time will be lost in organizing the ecessary force to undertake the work. ne of the first steps, he said, would onsist of the collection of existing ngineering data from various agencies the State Federal Governments and so from the officers of many private ngineers, who, McClure said, are nowing an inclination to assist and co-operate with the State in various ays.

It was pointed out by McClure that getting existing data together at e outset, much duplication of effort nd expense can be saved. These data, was explained, consist largely of ffice records. Members of the survey rganization yet to be selected will sent from place to place to obtain l available information, and with is as a basis the study then will be ttended to the field and the organi-ation built up as the work requires.

Basis of Legislation

Much of the future legislation of e State as regards water resources nd policies of conservation will be ased upon the department's report, hich is to be ready for the 1923 ession of the Legislature.

McClure said he had asked the Government to "loan" Scobie to the department while the survey is in progress, not alone because of his high standing as a hydraulic engineer, but also because of his knowledge of many of the problems to be covered in the survey.

U. OF C. PLANS ELECTRIC AND MACHINE SHOP COURSE

University of California Extension classes in machine shop work, electricity and other technical subjects, are announced by the San Francisco office, 140 Kearny St., as beginning during the last two weeks in August.

The machine shop course is the first to start, opening on Monday evening, August 15, at the San Francisco Polytechnic High School, with Ralph Weaver as the instructor. This class, which will meet on Monday and Wednesday evenings at 7, is open to all persons interested in advancement as machinists. The instruction is entirely individual, the work being assigned to the student according to his capabilities, be he an apprentice or a master machinist seeking instruction on some intricate machine shop problem.

Classes in electricity start Tuesday evening, August 16, at the Polytechnic High School, under instruction by A. L. Jordan. Classes in both direct and alternating current electricity will be held. On the same evening a class in auto shop work starts at the Cogswell Auto School, Folsom and 26th Sts.

The University Extension course in the Diesel engine opens Monday, Aug. 22, at 1337 Sutter St. This is an intensive study of marine and stationary installations and is given by C. G. A. Rosen. On August 30 a class in shop arithmetic will start at 1337 Sutter St.

FAR EASTERN TRADE AND ECONOMIC NOTES

(Prepared by the Far Eastern Division, Bureau of Foreign and Domestic Commerce.)

Information on Electric Refrigerators and Gas Heaters Desired

The State Electricity Commission of Victoria, Australia, is interested in the various applications of electricity to domestic uses and, it is understood, is desirous of getting in touch with American agents who cater for such appliances as electrically operated refrigerators and gas heaters, and to obtain full descriptions and price lists.

Low Prices for German Machines and Tools in Japan

The Germans are now bidding on contracts for machines, tools, etc., in Japan, at prices from 30 to 50 per cent cheaper than American quotations. The consumer, however, must agree to pay whatever export tax is levied by the Allies. However, assuming such tax to be as high as 25 per cent, prices of German materials in Japan will be less than for similar articles of American manufacture. To hold the market in Japan or extend it, price reductions by American concerns will be necessary.

Representation of American Houses in Foreign Countries

It has come to the attention of the Bureau that in some instances when American houses communicate with an American consular officer with reference to securing a representative in that consular district, investigation reveals that a representative is already operating in that field. In view of the misunderstanding which may arise from such action, it is deemed desirable that due caution be exercised in avoiding the possible soliciting of agents in such districts as may already be covered by duly authorized representatives.

LUMBER PRODUCTION

For the week ending August 13, 107 mills in western Oregon and western Washington report production at 55,-908,400 feet, which is 28 per cent below normal, according to an announcement of the West Coast Lumbermen's Association.

New business totaled 58,404,876 feet.

Shipments totaled 61,827,379 feet.

For delivery by rail new business included 1374 cars; rail shipments, 1248 cars. Unshipped balance in the rail trade was 2876 cars.

Local business totaled 4,081,947 feet.

In the cargo trade, domestic orders totaled 5,542,796 feet; export, 7,560,133 feet. Coastwise and intercoastal cargo shipments totaled 14,956,782 feet; export shipments, 5,348,650 feet.

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SAN FRANCISCO, CAL., SEPTEMBER 3, 1921

Published Every Saturday
Twenty-first Year, No. 36

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday | SAN FRANCISCO, CAL., SEPTEMBER 3, 1921 | Twenty First Year, No. 36

Building & Engineering News

No. 560 Mission Street, .
San Francisco, Calif.

MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Official Paper of Vallejo Builders' Exchange

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Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

AUGUST BUILDING TOTALS

Following is a report of building operations for the month of August, 1921, as shown by the records of the Bureau of Building Inspection of the Board of Public Works:

Class	Number	Est. Cost
"A"	2	$ 3,400
"B"	1	482,000
"C"	7	117,738
Frames	86	459,785
Alterations	283	154,014
Total	381	$1,216,937

Operations for the month of August, 1920, as shown by the City Building Bureau's record, totaled 452 permits, representing construction estimated to cost $1,517,916.

MISSION TERRACE CLUB SEEKS IMPROVEMENTS

The Mission Terrace Improvement Club, maintaining headquarters at 134 Delano Ave., has filed a petition with the Board of Supervisors seeking the paving of all streets in Mission Terrace, a restricted tract. The petition asks the paving of sixteen blocks costing in the neighborhood of $100,000, according to C. Gellert, an active member of the organization.

The club has appointed a committee to devise ways and means for erecting a community hall and club house. Preliminary sketches for such a structure are being considered and early construction is expected.

Salt Lake City, Utah, has an elaborate police patrol system to protect the watersheds that provide its water supply, and 20 miles of telephone wire, four miles of underground cable and eleven police boxes have been erected to provide communications.

WHY A POWER PROGRAM IN CALIFORNIA?

By H. G. Butler, Former Power Administrator for California

The 6,000,000 horsepower of potential electrical energy in California's streams—only one-sixth of which is now in use—if it were completely developed and could be laid down in the New England States, would bring every year, at existing rates, the enormous sum of $1,000,000,000. Developed and used in California it would cost the consumers but half that amount.

If the present rate of growth in the power industry continues—and there is not the slightest reason to think that it will not continue—the year 1941 will see the California power streams completely harnessed. It will see also a greater difference between power rates, east and west. Comparing New England's rate with California's, the ratio is now about two to one. But the future power of California, and all the west, will be hydro-electric, and in New England and the east steam-electric—steam generated from fuels constantly increasing in cost.

So in twenty years the difference between the two rates cannot fail to be even more to California's advantage than it is now. But with no change, the California producer will have an edge on his eastern competitor of $500,000,000 per annum in power costs —a sum that would "Bridge the Bay" twelve and one-half times yearly.

He has a proportionate advantage today. The average rate at which the product of the power companies of the state is sold is somewhere around two cents per kilowatt-hour, a figure that of course is lower than the average lighting rate, which varies; in San Francisco, for instance, it is from 8 cents as a maximum, to 1.5 cents as a minimum. But the average rate, which is governed more by the price paid for commercial than for lighting power, is the important factor. At two cents per kilowatt-hour the power companies of California can with confidence invite comparison with rates for similar service anywhere.

The remarkable growth of the west during the last twenty years has been largely due to just this fact. In that time the population of the United States as a whole increased 110%; in the west it increased 403%. The assessed value of all property grew in the United States 451%; in the west 1341%. The annual value of manufactured products jumped 1070% in the United States and 2096% in the west. During the last ten years, the increase in bank clearings in the United States was 427% and in the west 1218%.

It is not necessary to go far back in the history of the State to reach a time when it was a bold and adventurous thing for a power company to spend a few hundred thousand dollars in a power plant 200 miles away in the mountains, with its dams and canals, and its tower lines carrying a thin copper thread to bring the product to market. Such an investment was followed by a period of feverish activity in securing consumers to utilize the output. There were factories here, and mines, and irrigation pumps, but they were using other forms of energy. Salesmanship was necessary to bring about the substitution of electric power.

Today electricity has no competitor in these fields. If it cannot be secured the projected factory and the proposed pumping plant are not constructed. In the process of building up and developing the community, the sequence is, first the power, then more factories, more farms and more intensive cultivation, more mines opened up. From these come more transportation, more people—all demanding more power—and a strong and healthy growth.

In marked contrast to the situation a few years back, the power companies of the State today estimate that it will be necessary for them to raise and spend $500,000,000 in the next ten years for new plants and the appurtenances required to bring this power to the consumer. They no longer have to devote time to the missionary work of making converts to the electric power.

Fifteen million dollars can be spent by the Pacific Gas & Electric Company on the Pit River, by the Great Western Power Company on the Feather, by the San Joaquin Light & Power Corporation on the San Joaquin, or by the Southern California Edison Company on the Big Creek project without definite arrangements for the sale of the energy. The market will be ready when the power is. Indeed, during the last three years the demand has always been greater than the supply, and the problem of the future is not in selling power, but in getting money enough to develop it.

In its energy-producing natural resources California has been doubly endowed by Nature—it has both water-power and oil. But its oil cannot be depended upon to carry out any program of general state development. In a recent address, a prominent oil man of the Coast said:

> "We cannot continue to burn more oil than we produce, and we cannot continue indefinitely to count on even our present production. There can be only one answer to the situation—some one who is burning oil today will have to use another source of energy tomorrow."

He might have added, "the only source is hydro-electricity."

The oil companies are not required to keep California supplied with oil. The power companies, being public utilities, and as such having distinct obligations to the public, are committed to the definite undertaking of seeing that California's hydro-electric development is sufficient, not only to carry the increasing load in its own field, but to take up their burdens when the oil companies lay them down.

This is the power program and, to quote from the address again, nothing can be more certain than this:

> "We must realize that the success of this program is vital to our prosperity, and that success can come only through the substantial encouragement of community support."

The Observer

Build now! He who hesitates is lost. Bill George of the Henry Cowell Lime and Cement Co. says:

"Material dealers are doing their share in lowering costs in order that there may be no cause for the property owner postponing his contemplated construction projects. A reduction of 25 cents a barrel in the price of cement has been made by the Cowell Co., $3.44 in carload lots f. o. b. San Francisco; reinforced steel for construction purposes is selling about half the price of a year ago, the present price being $50 in carload lots against $98 to $100 last July; paints and plumbing materials are back to about pre-war prices and the brick manufacturers have announced a cut of $1.50 a thousand."

Captain Loui Beauman, 52, who was one of a group of American engineers planning the railway transportation system to the front line for United States forces in France during the world war, died at his home, 1609 Rose street, Berkeley, August 25. Captain Beauman succumbed to a lingering illness of a complication of ailments. A native of Illinois, Captain Beauman had lived in California the greater part of his life. Before the war, he had been connected with the engineering department of the Southern Pacific Company for many years.

The Chico, Calif., branch of the Western Loan & Building Co., of Salt Lake City, has been organized. W. D. Walker is president of the Chico branch.

Edward H. Aldworth, director of the United States Department of Labor Industrial Survey, Pacific Division, has gone to Washington, D. C., for a series of conferences with executives. Director Aldworth stated that the surveys along the Pacific coast would continue, and that his being called to Washington did not mean that the work of his department would cease.

After investigating various types of pavement, the special committee appointed by the City Trustees of Oakdale, has recommended that the streets of the city be paved with a five-inch thickness of concrete. An extensive paving program is contemplted.

The Census of Manufacturers, 1919, issued by the Department of Commerce, states that in that year 34,552,100 M feet, board measure, of lumber was produced in the United States. Yellow pine constituted 37.8 per cent of this amount and douglas fir 17.1 per cent.

Architects Wohleb, Stanley & Walker have opened offices in the Denny Bldg., Seattle. Wohleb & Stanley have offices in Olympia, Wash., and will handle business in that city while the Seattle office will be in charge of Mr. Walker.

Paul Bailey, for several years an engineer with the State Water Commission, has been transferred from the Division of Water Rights to the Division of Engineering and Irrigation of the new State Department of Public Works, necessitating a change in his residence from San Francisco to Sacramento. Bailey in his new position will be chief deputy to W. F. McClure, head of the Division of Engineering and Irrigation.

A new ship canal along the western waterfront of Oakland which will shorten the distance for vessels coming to the Oakland city docks is contemplated, according to City Commissioner Albert E. Carter. The War Department will be asked to approve plans of the city.

Young-Fischer Inclinometer Co., Milwaukee, Wis., has placed on the market a new instrument known as an Inclinometer, intended to take the place of the plum, level, or protractor in all building operations where angles are to be determined, and particularly where extreme accuracy is required.

Arthur W. Woodward, Civil Engineer, employed by the Navy Department at the Mare Island Navy Yard, died in Oakland, August 23. Woodward was 30 years old.

Twelve miles of street surfacing has been completed in the City of Alameda since January 1, according to City Engineer Burnett Hamilton.

Edward R. Bacon Co. has opened a shop and salesroom at 735-737 Folsom street, for the distribution of motor truck equipment. The manufacture of steel dumping bodies for motor trucks for use of Wood-Detroit vertical and horizontal hydraulic hoists will be carried on at the plant. At present a force of about fifteen men is employed.

The Los Angeles office of Gunn, Carle & Co. of San Francisco, has been moved from the Story Bldg. to 731 H. W. Hellman Bldg.

Due to increased business William Thuener of the Pacific General Jobbing Company has moved his sheet metal works from 1606 Pacific Ave. to 2125 Polk St.

Comparing production for the first 30 weeks of this year with other years the California Redwood Association furnishes the following: 1918, 271 million ft.; 1919, 240 million ft.; 1920, 374 million ft.; 1921, 398 million ft.

E. F. Quirke, of the Chemung Iron & Eteel Co., in a letter to the Engineering News-Record, discussing steel prices, says: "We have reached a higher price level in this country, and the people have become accustomed to a higher standard of living, and the conditions are such that there can be no recession to the prices back in 1914 to which the economists delight to refer."

Henry Cowell has offered free of charge five carloads of cement to John L. Davie, mayor of Oakland, to be used in the construction of the new Davie stadium. The proposed stadium, aside from being the largest in the world, will be unique in the sense that practically all the labor and materials will be donated by public-spirited citizens.

W. P. Fuller & Co. have purchased the property at the southeast corner of Los Angeles and M Sts., Fresno, and will erect a building to house and distribute materials in the Central California district. C. A. Norton represents the Fuller Co. in Fresno.

More garages than houses were built in the United States last year and more money was spent in the erection of motion picture theaters than for hospitals and churches combined. These facts are disclosed by the U. S. Department of Labor after compiling returns from 196 cities in the United States, containing more than 32 per cent of the total population. The report further shows that the outlay for garages exceeded expenditures for erection of schools. Home-building failed utterly to keep pace with the number of marriages, long considered an accurate gauge by which to measure the normal construction of dwellings.

According to a survey made by the Research Department of the San Francisco Chamber of Commerce, California ranks second in the United States in the possession of potential water power, her resources in this respect being greater than those of Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island, New York, Pennsylvania, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia and Florida combined.

Donlan-Henderson lumber mill at Missoula, Mont., suffers $100,000 fire loss August 28.

A. J. Eddy, structural engineer for the Standard Oil Co., will conduct two courses in concrete for the University of California Extension Division. An elementary course consisting of the theory of this phase of engineering and an advanced course which will cover work in the actual design of reinforced concrete structures are the two courses to start September 12.

Axel H. Oxholm, chief of the lumber division of the commerce department, left Washington August 27 on the first of a series of tours, during which he will confer with representatives of all branches of the lumber industry, with a view to promoting the exportation of American lumber. He will visit the middle west and Pacific coast next month.

The Magnalite Co., under the management of Thomas H. Hourihan, with W. M. Woodburn and George B. Frash as associates, is opening a processing shop at 110 Stillman street for the silvering of incandescent lamp globes for the purpose of increasing the lighting effect by a mirror reflection.

James McPherson, formerly a railroad builder in Humboldt County, died May 7 near Inverness, Scotland. He was a resident of Humboldt County for more than twelve years and left for Scotland in 1903.

Lumber exports from the United States to France in 1919 were nearly 26 million feet. In 1920 they were slightly over seven million.

The Pacific Tank Gauge Co., manufacturers of tank gauges, has moved its factory and office from Eddy St. to 167 Jessie St.

(Continued on Page 16)

S. F. ARCHITECTURAL CLUB
CLASS SEASON 1921-22

STRUCTURAL ENGINEERING

COURSE IN BUILDING MECHANICS AND CONSTRUCTION

This course consists of twenty-five weekly lectures and problems, explaining clearly and thoroughly the principles of mechanics and construction as applied to building work. A few of the subjects taught are Mechanics and Statics, Analysis of Stresses, Properties of Sections, Theory and Design of Beams, Columns, Plate Girders, Roof Trusses and Bridge Trusses, actual Planning, Framing and Design of Members in a six-story, Class "C" Building as done in engineering offices.

COURSE IN REINFORCED CONCRETE

This course consists of twenty-five weekly lectures and problems on the theory and design of reinforced concrete construction. A few of the subjects taught are General Principles and Properties, Shears, Diagonal Tension, Bond, Stirrups, Rectangular Beams, Tee Beams, Continuous Beams, Flat Slabs, Columns, Foundations, Retaining Walls, Form Work, Systems of Reinforcement, Actual Planning, Framing, and Design of Members in a six-story Class "B" Building.

Mr. R. S. Chew, C. E., has been engaged to conduct the structural classes for this season. He has directed similar courses at the Club for the past six years and is recognized as an instructor of much ability.

Organization Meeting September 7, 1921, 8:00 P. M.

First Lectures September 13, 1921, 7:30 P. M.

ATELIER

The Atelier furnishes a course in Architectural Design for draughtsmen in offices, and for students of architecture in general. The program of the Beaux Arts Institute of Design of New York is used, which consists of a series of competitions modeled on the system of the Ecole des Beaux Arts in Paris, and linked with American architecture. This enables the student to work in art that is regarded as the solution of certain fundamental problems, and consequently there is both interest and instruction in each competition.

There is no preliminary knowledge necessary, except a general knowledge of the five Orders of Architecture.

An annual registration fee of two dollars is the only fee required to enter competitions.

Circulars of information can be obtained from the Massier of the Atelier, F. Amandes.

The Atelier classes will be under the direction of Ecole des Beau Arts patrons.

First Problem, Sept. 24, 1921.

Courses in
HISTORY OF ARCHITECTURE
HEATING AND VENTILATING
ARCHITECTURAL MODELING

These courses, especially designed for architectural students and draughtsmen, will be conducted by competent instructors during this class season. Future announcements will be made of the dates of first lectures. Further information may be obtained from the Chairman of Class Committee.

Application for recognition of these courses has been made to the University of California and is receiving favorable consideration. University credits are expected to be granted for successful completion of this work.

The above classes are conducted without profit. All funds received for tuition are used to obtain competent instructors and to defray the expenses of the classes.

Ideal Section of Lincoln Highway--- A Definition of Its Purpose

(By W. G. Thompson, Consulting Highway Engineer for the Lincoln Highway Association).

Those who may be inclined to criticize the scope and cost of the Lincoln Highway Association's "Ideal Section" of highway as being impractical and extravagant should first be sure that they are fully informed as to the nature of the project and the ideas of the men who are attempting a realization of the highway ideal.

What is an Ideal, and why is an Ideal? Answer to the first question may be briefly quoted from the dictionary as being "a mental conception of a standard of perfection." Answer to the second is not found in the dictionary, but rather finds its expression in the constant and conscious striving of mankind toward a higher standard of excellence in every phase of human activity.

In terms of highways the ideal may be expressed as a road which is safe, smooth and convenient to travel at all seasons of the year. It is designed and constructed with a view to future increase in traffic volume and is economically maintained.

Opinions differing with this expression can be in degree only, not in general principle.

The Association believed that in addition to its utilitarian features the Ideal Section and its immediate surroundings should appeal to the aesthetic sense of the motorist. It therefore proposed that all pole lines and unsightly features be removed from the line of the highway, and that the natural beauty of the right-of-way be enhanced; that this idea met with favor is evidenced by the country-wide approval expressed in letters to the Association since the general plans became known.

The Association realized its inability to design a highway which might be considered as approaching the ideal. It therefore called together a technical committee of well-known highway engineers, representing many different sections of the country, to determine the essential features of such a section. All these men occupy high public positions, and gave this service without compensation.

In addition to their own ideas, gained from long experience and observation, they took advantage of a summary of hundreds of questionnaires, formulated and sent to highway builders and users in every section of the country.

It shoud be recorded that neither the Association nor its Technical Committee presume to say that the "Ideal Section" represents the ultimate in highways. However, the Association believed an attempt should be made to crystallize the ideas of the foremost highway authorities of the country into a tangible expression of the ideal, which, however imperfect, might serve as an inspiration and guide to the many who will see it as they travel the transcontinental route.

It is not intended that any single feature of the project shall be taken as the final word, but rather that the general ensemble shall convey helpful, constructive ideas to those responsible for highway development policies. If even in small measure it shall serve this purpose, those responsible for its development will feel well repaid.

PROGRESS OF SAND-LIME BRICK INDUSTRY IN 1920

The sand lime brick industry made progress in 1920, according to a report soon to be issued by the United States Geological Survey, Department of the Interior, prepared by Jefferson Middleton.

This industry like other building-material industries, was handicapped by shortage and inefficiency of labor, transportation difficulties, and the high cost of building. With the resumption of building operations the use of this product should increase rapidly, as it seems to be firmly established in public favor in many localities. Trade in 1920 was generally reported good during the first nine months of the year but very dull after that, due in part no doubt to business and in part to seasonal conditions.

The output in 1920 was 169,761,000 brick, as compared with 146,947,000 in 1919, an increase of 16 per cent. The value of this output in 1920 was $2,490,283, compared with $1,705,163 in 1919, an increase of 46 per cent. The output in 1920 was 73 per cent greater than that of 1918, but 9 per cent less than that of 1917. The value of the sand-lime brick marketed in 1920 reached its maximum and was greater than that of 1918 by 182 per cent, and that of 1917 by 75 per cent. As compared with the output in 1913 that of 1920 decreased 10 per cent, and the value increased 101 per cent.

Seventeen States reported the production of sand-lime brick in 1920. Michigan, as for many years, was the leading State in production and value. Its output was 39,280,000 brick, valued at $640,744, or 23 per cent of the total output and 26 per cent of the total value. These amounts represent a decrease of 7 per cent in output but an increase of 26 per cent in value, as compared with those in 1919. Minnesota, the second State, reported 24,891,000 brick, valued at $290,394, or 15 per cent of the total output and 12 per cent of the value, an increase of 6 per cent in output and of 21 per cent in value. Wisconsin ranked third in output and fourth in value. Florida fourth in output and third in value, and New York fifth in output and value. These five States reported 64 per cent of the output and 63 per cent of the value. The other States that reported sand-lime brick were California, Georgia, Indiana, Louisiana, Massachusetts, North Dakota, Ohio, Pennsylvania, South Dakota, Texas, Washington, and the District of Columbia.

The number of operators who reported sales of sand-lime brick in 1920 was 37, the smallest number since 1903, except in 1919, when it was 35.

Practically all this material, 99 per cent, was marketed as common brick, and 1 per cent as face brick. The average price per thousand for common brick in 1920 was $14.61, and for face brick $19.48, as compared with $11.58 and $13.29, respectively, in 1919.

The manufacture of paper ranks in age second only to the manufacture of textiles.

Building News Section

APARTMENT HOUSES

Contractor Taking Sub-figures.
APARTMENTS Cost, $30,000
OAKLAND, Alameda Co., Cal. College Ave. between Woolsey and Alcatraz.
Two-story frame and stucco apartments (8 apts 3 and 4 rooms) 100 x120.
Owner—Mr. and Mrs. Harris Jenks, 3100 College Ave., Oakland.
Architects—Hutchinson & Mills, Albany Bldg., Oakland.
Contractors—Burritt & Shealey, Oakland.
Cement plaster exterior, hardwood floors and wall beds.

Permit Applied For.
APARTMENTS Cost, $20,000
SAN FRANCISCO. S. Clay 154-3 E. Franklin.
Three-story and brick frame (6) apartments.
Owner—T. D. Merrill, 1901 California.
Architect—A. H. Knoll, Hearst Bldg., San Francisco, Cal.

Contract Awarded.
APARTMENTS Cost, $25,000
SAN FRANCISCO. SE 20th Ave. and Clement.
Two-story and basement frame (8) apartments.
Owner—Fred Spreen.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Contractors—Hannah Bros., 142 Sansome St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $25,000
SACRAMENTO. 9th and G Sts.
Two-story frame apartment house building (10 3-room apts.).
Owner—Fred Ankener.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.
Wall beds, hardwood floors, stucco exterior.
Figures will be taken in about three weeks.

Concrete Work Contract Awarded.
APARTMENTS Cost, $100,000
SAN FRANCISCO. E Powell 68-6 N Bush Street.
Six-story and basement brick (34 apartments).
Owner—Edward Beck, 281 Lee Ave., Oakland.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
The concrete work has been awarded to Anderson & Ringrose, 320 Market St., San Francisco, at approximately $19,000.

Owner Taking Sub-Figures.
APARTMENTS Cost, $70,000
SAN FRANCISCO. W Stockton Street 91.6 N Bush Street.
Five-story and basement concrete apartment house (29 apts).
Owner—L. B. Ham, 105 Montgomery St., San Francisco.
Architect—A. Merrill Bowser, Care Glass & Butner, Hearst Bldg., San Francisco.

Plans Being Prepared.
APARTMENT HOUSE Cost, $ ——
LOS ANGELES SE 10th St and Grand View Ave.
Three-story brick apartment house (50 2 and 3-room apts.).
Owner—Wm. Rosenblatt.
Architects and Engineers—Edw. C. and Ellis W. Taylor, 713 W. 8th St., Los Angeles.

Working Drawings Being Prepared.
APARTMENTS Cost, $75,000
MARYSVILLE, Yuba Co., Cal.
Five-story brick store and apartment house building (18 apts. of 3-rooms and sleeping porch each and two stores).
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans Being Figured.
APARTMENTS Cost, $17,500
SAN FRANCISCO. West line Pierce N of Lombard Street.
Two-story frame and plaster apartments and garage (4 4-room apts.).
Owner—Filippo Palma.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Figures are being taken for a general contract.

To Be Done by Day's Work.
ADDITION Cost, $14,000
OAKLAND. E. 3rd Ave. 75 N. E-16th St.
3-story frame addition to apartment house.
Owner—C. M. McGregor, 470 13th St., Oakland.
Architect—Not given.

SEATTLE, Wash.—Architect Harry H. James, 312 American Bank Bldg., Seattle, is preparing plans for a 10-story fireproof apartment house to be erected for J. H. Williams at 1208 Sixth Ave. The structure will contain 90 apartments and will cost about $200,000.

BANKS

Working Drawings Being Prepared.
BANK BLDG. Cost, $40,000
PLACERVILLE, El Dorado Co., Cal.
One-story reinforced concrete bank.
Owner—Bank of El Dorado County, Placerville, Cal.
Architect—E. C. Hemmings, Oschner Bldg., Sacramento.

CHICO, Butte Co., Cal.—The First National Bank of Chico is planning the construction of a $96,000 bank building at Third and Main streets, according to an announcement made following a meeting of the board of directors. Plans for the structure have already been completed, it is said.

BONDS

BREA, Orange Co., Cal.—The $40,000 bond issue voted to complete the municipal water system was sold to Blythe, Witter & Co. of Los Angeles at a premium of $49.80. Olmsted and & Gillelen, Hollingsworth Bldg., Los Angeles, are engineers for the water system.

SANTA CRUZ, Santa Cruz Co., Cal.—Bids for the purchase of the $206,000 bond issue, recently voted, to finance completion of the county highway system have been ordered received by the supervisors. Lloyd Bowman, County Engineer.

UKIAH, Mendocino Co., Cal.—Calpella School District votes bonds of $25,000 to finance construction of a new school building.

REDWOOD CITY, San Mateo Co., Cal.—Bonds of $300,000 voted in Sequoia High School District; proceeds of sale to finance construction of a new high school district. Preliminary plans for the structure have been prepared by Archt. W. H. Toepke, 942 Market St., San Francisco, and several other architects. Official selection of the architect is yet to be made.

TURLOCK, Stanislaus Co., Cal.—The School Board will call a special election to vote $65,000 bonds for school improvements.

BAKERSFIELD, Kern Co., Cal.—An election will be held Sept. 20 in the South Fork Union High School District to decide the question of issuing and selling bonds of $26,000 to finance construction of a new school building. Trustees of the district are: Mrs. Estelle Barbeau, Mrs. Chas. S. Powers, Mrs. Arthur J. Alexander, Robert Palmer and Mrs. Ella James.

MODESTO, Stanislaus Co., Cal.—Until Sept. 13, bids will be received by Supervisors for purchase of $12,000 bond issue of Stoddard and $60,000 bond issue of Oakdale Union School District; proceeds of the sale in each case to finance construction of school improvements. Architects Davis-Heller-Pearce, Delta Bldg., Stockton, are preparing plans for the Oakdale school, which will be a one-story brick and concrete five-room structure.

BLOOMFIELD, Sonoma Co., Cal.—Election held to vote bonds of $14,000 to finance construction of a new school building failed to carry.

SANTA ROSA, Sonoma Co., Cal.—Until Sept. 13 bids will be received by County Supervisors for the purchase of $115,000 bond issue of Sonoma Valley Union High School District; proceeds of the sale to finance construction of a new school building, plans for which are being completed by Architect W. H. Weeks, 75 Post St., San Francisco, and call for a two-story reinforced concrete or brick structure.

SANTA CRUZ, Santa Cruz Co., Cal.—Supervisors sell $209,999 bond issue; proceeds of sale to finance completion of county highway system. Lloyd Bowman, County Engineer.

SAN RAFAEL, Marin Co., Cal.—Bonds of $50,000 voted at recent election to finance street improvements. H. H. Jones, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—Bids have been ordered advertised by the Supervisors for the purchase of the $155,000 bond issue of the Campbell-San Tomas Union School District; proceeds of the sale to finance construction of a new school building, plans for which are being prepared by Architect W. H. Weeks, 75 Post St., San Francisco

SACRAMENTO, Cal.—A bond issue to secure $8,000,000 for a municipal power plant is proposed. A site in the vicinity of Folsom is being considered for the plant and engineers are completing estimates.

FRESNO, Fresno Co., Cal.—Election will be held in Roosevelt School Dist., Sept. 21, to decide question of issuing and selling bonds of $11,000 to finance construction of a new school building. Trustees of the district are: R. J. Faris, Chris B. Sorensen and H. Forrester.

SAN RAFAEL, Marin Co., Cal.—Bonds of $12,000 voted to finance completion of San Rafael canal. Issue carried by vote of nine to one. H. H. Jones, City Engineer.

CHURCHES

Plans Being Figured—Bids Close September 6, 1921, 8 p. m.
CHURCH Cost, $60,000
VALLEJO, Solano Co., Cal. Carolina and Sonoma Sts.
Brick church building.
Owner—First Baptist Church of Vallejo.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento, and W. A. Jones of Vallejo, associated.
Among the general contractors figuring on the job are: Clinton Construction Co., San Francisco; W. C. Duncan & Co., San Francisco; Betz & Maybrey, Sacramento; McGillivray Construction Co., Sacramento; Herndon & Finnigan, Sacramento.
Plans are also on file in the Sacramento Builders' Exchange and Vallejo Exchange.
Figures are being taken for a general contract.

Preliminary Sketches Prepared.
ADDITION Cost, $20,000
ALAMEDA. NE Santa Clara & Chestnut. Two - story and basement frame addition to church (Sunday School rooms, assembly hall, etc.).
Owner — First Presbyterian Church, premises.
Architect — Henry H. Meyers, Kohl Bldg., S. F.

DELANO, Kern Co., Cal.—Construction of a $30,000 community church is planned. Of the total amount required $8000 is available. Rev. Scott Winebrenner is chairman of building committee.

FACTORIES & WAREHOUSES

Sub-Figures Being Taken for Electrical Work.
LOFT BLDG. Cost, $——
SAN FRANCISCO, Cal. Howard and 4th Sts.
Two-story reinforced concrete loft building.
Owners—MacGruer & Simpson, Call Bldg., San Francisco, Cal.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco, Cal.

Contracts Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. No. 518-20 Mission.
Alter six-story Class C loft building.
Owner—Samuel Hamberger.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Mill Work to National Mill & Lumber Company.
Carpentry to Louis Fontanella, 1682 Eddy St.
Plastering to Pete Bradley, 180 Jessie Street.
Ornamental Plastering to Theo. Binner 423 14th St.

Completing Plans.
CREAMERY Cost, $50,000 or more
VALLEJO, Solano Co., Cal. Maryland St. near Eldorado.
One-story reinforced concrete creamery building.
Owner—Golden State Creamery Co. (Dan Foley, Manager).
Architect & Contractor—Geo. Barenchi, 921 Kentucky St., Vallejo.
Construction will be started in about a week.

OROVILLE, Butte Co., Cal.—Chas. B. Sewell, construction foreman for the Hutchinson Lumber Co., is assembling crews to commence construction of the proposed new mill the company plans at Oroville. First three structures will comprise saw mill, box factory and planing mill. The saw mill will be of heavy timber construction and will cover an area of 77 by 278 feet. On completion of the saw mill, an annex will be erected for a lathing mill. Machinery for these departments have already been purchased, according to officials of the company.

FRESNO, Fresno Co., Cal.—W. P. Fuller & Co. has purchased the property at the southeast corner of M and Los Angeles, on which it is planned to construct a building to handle Central California business. C. A. Norton is Fresno representative of the company.

LOS ANGELES, Los Angeles Co., Cal.—Clinton Construction Co., Stock Exchange Bldg., Los Angeles, has been awarded the general contract at about $64,000 for erecting a 3-story and basement Class A loft building on Sixth St. betw. Broadway and Hill Sts., Los Angeles, for the S. Broadway Building Co. The general contract includes all work except plumbing, heating and elevators. Edwin Bergstrom, 1128 Cit. Nat. Bank Bldg., Los Angeles, is the architect. Reinf. concr. construction, 42x115 ft., terra cotta facing, plate glass, marble lobby, metal frames and sash, comp. rf., skylights, etc.

FIREHOUSES AND JAILS

Bids Under Advisement.
ENGINE HOUSE Cost, $11,850
FRESNO, Fresno Co., Cal. Van Ness Avenue.
Fire engine house.
Owner—City of Fresno, R. V. St. George City Clerk.
Architect—Not Given.
Contractor—Howard Dickie, 150 Howard St., Fresno.

FLATS

Plans Being Figured.
FRAME FLATS Cost, $15,000
OAKLAND, Cal. Rand Street.
Two-story frame flats.
Owner—Mrs. Tillie Carpenter.
Architect—Hutchison & Mills, Albany Bldg., Oakland.

Plans Being Figured.
FLATS Cost, $12,000
SAN FRANCISCO. Jones Street Bet. Pine and Bush Streets.
Two-story frame flats (2) 4-room flats.
Owner—Rocca Bros.
Architects — O'Brien Bros., 240 Montgomery St., San Francisco.

Permit Applied For—To Be Done by Day's Work.
FLATS Cost, $18,000
SAN FRANCISCO E. Palm Ave. 150 S. California.
Two-story and basement frame (2) flats.
Owner—Mrs. Pearl Silverstein, 130 Kearny.
Architect—S. Heiman, 57 Post St.
The name of the contractor will be given out in about a week.

Contract Awarded.
FLATS Cost, $13,500
SAN FRANCISCO. NW Fulton and 19th Ave.
Two-story and basement frame (4) flats.
Owner—Edw. E. Brady, 120 Fremont St.
Architect—D. C. Coleman, 110 Sutter St., San Francisco.
Contractors—Monson Bros., 1907 Bryant St.

Figures to Be Taken Next Week.
FLATS Cost, $12,000
SAN FRANCISCO. 16th Ave. & Geary.
Two-story frame and plaster flat bldg. (2 6-room flats).
Owner—R. W. Callahan.
Architect—H. C. Baumann, 251 Kearny St., S. F.

Figures to Be Taken in a Few Days
ALTERATIONS Cost, $5000
SAN FRANCISCO. 30th Ave. & Clement.
Alter 2-story frame residence into 2 4-room flats.
Owner—W. Hall.
Architect—H. C. Baumann, 251 Kearny St., S. F.

Plans Being Prepared.
FLATS. Cost, $12,000 each
SAN FRANCISCO. Funston Avenue near Lake Street.
Two two-story and basement frame and plaster flats (2 7-room flats with basement garage).
Owner—Dr. John J. Kingwell, Butler Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contract Awarded.
FRAME FLATS Cost, $13,500
SAN FRANCISCO. SE Anza and 18th Avenue.
Two-story and basement frame (4) flats.
Owner—Sol. F. Meyer, 110 Sutter St., San Francisco.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Emil Nelson, 747 Fillmore St., San Francisco.

Plans Being Prepared.
FLATS Cost, $14,000
SAN FRANCISCO. W Buchanan Street N Lombard.
Two-story frame and plaster flat building (4 4-room flats).
Owner—S. Coturri.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.

GARAGES

Contract Awarded.
GARAGE Cost, $29,000
SAN FRANCISCO. N Pacific Ave. 107-6 E Van Ness Avenue.
Two-story reinforced concrete public garage.
Owner—Louis R. Lurie.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—F. L. Hansen, 251 Kearny St., San Francisco.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Kayline Co., Cleveland, at $7,000, awarded contract by Supervising Architect, Treasury Department, for furnishing and installing

lighting fixtures in the U. S. Postoffice at Honolulu; time for completion of work, March 1, 1922.

WASHINGTON, D. C. — Bureau of Yards and Docks, Navy Department, is preparing plans for installation of passenger elevator in the hospital at San Diego; work under specification No. 4507.

WASHINGTON, D. C. — Bureau of Yards and Docks, Navy Department, preparing plans for a one-story storehouse to be erected at Pearl Harbor, T. H.; work under Specification No. 4504.

WASHINGTON, D. C. — Bureau of Yards and Docks preparing Specification No. 4494 for the installation of boiler plant equipment at the hospital reservation, San Diego, Calif.

WASHINGTON, D. C. — Bids were opened on August 30th by the Supervising Architect Jas. A. Wetmore for the installation complete of one electric freight elevator in the United States New Post Office at Portland, Oregon.

Otis Elevator Co.	$ 5,565
Kimball Bros.	5,865
Tuerck McKenzie Co., Portland	11,417
Hollister Whitney Co., Quincy, Ill.	6,599

Elevator Enclosure

Olaf Sunde, Portland	$4643.98
J. S. Seed, Portland	4368.00
W. P. Thurston, Richmond	8000.00
Jas. L. Quinn, Portland	4442.00
Geo. E. Wright, Chicago	5980.00

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at end of each paragraph:

Schedule 8671, for Mare Island, 10,000 sq. ft. copper wire cloth, opening September 23.

Schedule 8679, for Mare Island, 400 door locks, opening September 23.

Schedule 8680, for Mare Island, 100,000 lbs. sheet steel, opening September 20.

Schedule 8681, for Mare Island, 8500 ft. steel pipe, opening September 20.

Schedule 8691, for eastern and western yards, miscellaneous brass voice tubing, opening September 20.

Schedule 8694, for Mare Island, 5000 lbs. solid half-oval brass, opening September 20.

Schedule 8695, for Mare Island, 1850 gals. damar varnish, opening September 23.

Schedule 8698, eastern and western yards, grease cups, opening September 20.

Schedule 8699, eastern and western yards, 1013 prs. asbestos gloves, opening September 23.

Schedule 8713, for Puget Sound, 146 reams emery cloth, opening September 23.

PORTLAND, Ore.—Goodyear Rubber Co., Portland, Ore., at $1034.28, f. o. b. San Francisco, awarded contract by U. S. Engineer Office for furnishing 16 dredging sleeves 25½ by 36 in. Other bidders were:

Pioneer Rubber Mills, San Francisco, $1038.40, f. o. b. Pittsburg, Calif.

New York Belting and Packing Co., New York city, $1096, f. o. b. Passaic, N. J.

American Rubber Mfg. Co., Oakland, Calif., $1112, f. o. b. Oakland.

Marshall-Wells Co., Portland Ore., $1120, f. o. b. Boston.

Manhattan Rubber Mfg. Co., Passaic N. J., $1397.92, f. o. b. Passaic.

New York Rubber Co., New York city, $1449.42, f. o. b. Beacon, N. Y.

Gutta Percha and Rubber Mfg. Co., New York city, $1538.40, f. o. b. New York.

Goodyear Tire and Rubber Co., Los Angeles, Calif., $1872, f. o. b. Los Angeles.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
Y. W. C. A. BLDG. Cost, $90,000
LOS ANGELES. Figueroa St. bet. 9th and 19th Streets.
Six-story and basement reinforced concrete Y. W. C. A. Building, $78220.
Owner—Y. W. C. A.
Architect—John J. Frauenfelder, 1116 Story Bldg., Los Angeles.
Contractor—W. A. Heitman Constr. Co. 900 Merritt Bldg., Los Angeles.
The contractors will take figures for plumbing, heating, electric work, etc.

HOSPITALS

Plans Being Prepared.
ADDITION Cost, $3000
SAN FRANCISCO. SW Fifth Ave. and Geary St.
Frame addition of 1 room to hospital for nurses' dining room.
Owner—French Hospital Association.
Architect—Albert Fabre, 110 Sutter St., San Francisco.
Plans will be ready for figures in about three weeks.

SACRAMENTO, Cal.—The following bids were received on August 30th by the Hospital Central Committee for the Counties of Amador, Colusa, Contra Costa, El Dorado, Placer, Plumas, Sacramento, Sutter, Tuolumne, Yolo and Yuba for the construction of a concrete service building to be erected at Weimar, Placer County. Plans were prepared by Architect W. H. Weeks, 75 Post St., San Francisco. The contract was awarded to the lowest bidder, The Campbell Construction Co., 3325 J St., Sacramento, on their bid of $31,460:

Campbell Const. Co.	$31,460	$30,850
Dan R. Wagner	31,890	.....
Wm. Keating	32,470	31,920
Robert Trost	34,987	34,637
John Morton	36,000	35,000
Herndon & Finnigan	38,233	37,960

HOTELS

Plans Being Figured.
ALTERATIONS Cost, $7000
SAN FRANCISCO. No. 138 Sixth St.
Alter four-story Class "C" hotel building (plastering, painting, marble and electric work).
Owner—Hotel Pontiac.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans to be Prepared.
ADDITION Cost, $2500
SAN FRANCISCO. Geary & Fillmore.
Addition of 4 rooms to three-story lodging house.
Owner—Withheld.
Architect—Albert Fabre, 110 Sutter St., San Francisco.

WILLOWS, Glenn Co., Cal.—William H. Rau of San Francisco has been in consultation with the Willows Chamber of Commerce regarding plans for a modern hotel building in this city. The proposition submitted is more of a community than a commercial one. If undertaken it would be conducted by a club and for the benefit of club members only. The cost of the hotel as proposed by Rau would cost $250,000 for a Class A structure, but he thought that a building could be erected here for 30 or 40 per cent less than the amount named meeting the requirements of Willows.

POWER PLANTS

SALEM, Ore.—The Oregon Pulp and Paper Co. of Salem has announced its intention to construct a $100,000 power plant in North Front St. Plans are being prepared by the company's engineers.

PUBLIC BUILDINGS

Contract Awarded.
ALTERATIONS Cost, $989
SACRAMENTO, Cal.
Alterations to City Hall.
Owner—City of Sacramento, M. J. Desmond, City Clerk.
Architect—Albert Givan, City Engineer, Sacramento, Cal.
Contractor—John M. E. Morrill, 5217 T St., Sacramento, Cal.

COLUSA, Colusa Co., Cal.—Ed. Martin of Colusa, at $840 has been awarded a contract for painting and papering the courthouse. One other bid submitted.

SACRAMENTO, Cal.—Following bids were received and taken under advisement by the City Commissioners for alterations in the City Hall:

C. J. Hopkinson	$1244
John M. E. Morrill	980
Henry S. Barners	1248
Truesdale & Martin	1090
P. F. Bender	1290

Plans for the work were prepared by Albert Givan, City Engineer.

WATSONVILLE, Santa Cruz Co., Cal.—Until Sept. 6, 8:30 p. m., bids will be received by M. M. Swisher, City Clerk, for (1) furnishing 100 gals., more or less, linseed oil and white lead paint of color selected by Board of Aldermen; (2) for furnishing all labor in brushing and cleaning the exterior of the city auditorium and painting same with 2 coats lead and oil to be furnished by city; paint to be applied by hand or compressed air brush method. Blanks for bidding may be had from city clerk.

CENTRALIA, Wash.—Harding F. Allen, Amer. Bank Bldg., Seattle, at $46,500, awarded contract to erect two-story hollow brick and frame armory building from plans of Architects Wohleb and Stanley, Seattle and Olympia, Wash. Rushlight & Hastorf, Portland, $5050, awarded heating; E. W. Manning, Chehalis, Wash., $3390, awarded plumbing; Devore Electric Co., awarded electric work, $1269.

SACRAMENTO, Cal.—Early construction of the proposed State Printery is assured. Clarence E. Jarvis, a member of the State Board of Control, states twelve sites are being considered and a selection will be made in the immediate future. The new structure will supplant the old building at Fifteenth and L streets. The sum of $175,000 has been appropriated by the State Legislature to finance construction.

RESIDENCES

Plans Being Figured.
BUNGALOW Cost, $5,500
PIEDMONT, Alameda Co., Cal. Oakland Avenue and San Carlos St.
One-story 6-room bungalow.
Owner—H. B. Blaisdell.
Architect—Hutchison & Mills, Albany Bldg., Oakland.

ontract Awarded.
OTTAGE Cost, $4180
OS BANOS, Merced Co., Calif.
ne-story frame and stucco 5-room cottage (for attendant of water works).
wner—City of Los Banos.
rchitect—Not given.
ontractor—Guy H. Wilson, Los Banos, Calif.
Only other bidder was M. M. Finlayon, Los Banos, at $4587.

ontract Awarded.
ESIDENCES Cost, $18,765
AN FRANCISCO. N. Staples 180 to 300 E. Gennessee.
ive 1-story and basement frame residences.
wner—Moneta Inv. Co., Pacific Bldg., San Francisco, Cal.
rchitect — Bernard J. Joseph, Call Bldg., San Francisco, Cal.
ontractor—Jas Arnott & Son, 4165 Army St., San Francisco, Cal.

lans to be Prepared.
ESIDENCE Cost, $25,000
AKLAND, Alameda Co., Cal. Montclair Tract.
hree-story concrete, frame and plaster residence, about 15 rooms.
wner—Dr. H. D. Kneedler.
rchitect—Hamilton Murdock, Syndicate Bldg., Oakland.
Construction will not be started until ext year.

ontract Awarded.
ESIDENCE Cost, $10,971
AKLAND, Alameda Co., Cal. Lakeshore Highlands.
wo-story frame and stucco residence.
wner—A. W. Gorrill, 741 Lakeshore Ave., Oakland.
rchitects—Schirmer Bugbee Company, Thayer Bldg., Oakland.
ontractor — Harry Schwalm, Hayward, Cal.

ontract Awarded.
WELLING Cost, $6171
LAMEDA, Cal. NW Sherman St. and San Antonio Ave.
ne-story and basement frame dwelling (all work except fences and wall paper).
wner—Rosina Muller.
rchitect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
ontractor—D. W. Ross, 1118 Laurel, Oakland.

ontract Awarded.
LTERATIONS, ETC. Cost, $16,871
ERKELEY, 2811 Claremont Ave.
terations and additions to frame residence.
wner—Fletcher Ames, premises.
rchitect—W. H. Ratcliff, Jr., 1st Nat. Bank Bldg., Berkeley.
ontractor — Walter Sorenson, 3221 Ellis St., Berkeley.

ontract Awarded.
ESIDENCE Cost, $19,000
AKLAND. N. Wawona Ave. 150 W. Portal Ave.
wo-story 8-room frame residence.
wner—Jas. and E. W. Riley.
rchitect and Contractor—A. Yerrick, 5255 College Ave, Oakland.

ans Being Prepared.
ESIDENCE, ETC. Cost, $15,000
PERTINO, Santa Clara Co., Cal.
ne-story and basement frame and stucco country residence, garage, etc. (8 rooms and 2 bathrooms).
wner—Anton Ruffs.
rchitect—A. H. Knoll, Hearst Bldg., San Francisco.
The carpenter and concrete work ll be done by day labor. Sub-figures ll be taken in about two weeks on her portions of the work.

Figures to be Taken Next Week
RESIDENCE Cost, $10,000
SAN FRANCISCO. Twenty-sixth Ave.
Two-story and basement frame and plaster residence and garage.
Owner—E. A. Kenny.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $15,000
SAN FRANCISCO. St. Francis Wood.
Two-story residence (Colonial).
Owner—A. Chansler.
Architect—Walter Falch, Hearst Bldg., San Francisco.

SCHOOLS

Plans Being Figured.
ELECTRICAL WORK Cost, $——
SAN DIEGO, San Diego Co., Cal.
Electrical work on a group of high school buildings now under construction.
Owner—Sweetwater Union High School District; R. E. Smith, Clerk.
Architect—Theo. C. Kistner, Central Mortgage Bldg., San Diego.

Plans Completed—Figures to Be Taken Shortly.
SCHOOL Cost, $——
THORNTON, San Joaquin Co., Cal.
One-story 2-room brick school.
Owner—Thornton Grammar School District.
Architect—Wright & Satterlee, Bank of Italy Bldg., Stockton.

Bids Under Advisement.
SCHOOL Cost, $——
FRESNO, Fresno Co., Calif.
One-story brick school (2 classrooms and auditorium).
Owner—Teague School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Low bid submitted by Collman & Spiedel, 180 Jessie St., San Francisco, who will probably be awarded the contract. Action will be taken August 29. Following is a complete list of bids received:
Barkelew & Gould, Tulare.....$18,640
Sampel & Cody, S. F..... 18,927
Collman & Spiedel, S. F..... 17,623
Larsen & Sampson, S. F., Bid not stated in report.
J. D. Hart, Fresno..... 18,474
Howard Dickey, Bid not stated in report.
E. C. Martin Constr. Co., Fresno 18,960
Miller & Wyatt, Fresno..... 17,900
L. Cereghino & Son, S. F., Bid not stated in report.
Brown & Stafford, Madera, Bid not stated in report.

Contract Awarded.
TEACHERAGE Cost, $..674
BAKERSFIELD, Kern Co., Cal.
Four-room teacherage.
Owner—Orlena School District.
Architect—J. M. Saffell, 924 19th St., Bakersfield, Cal.
Contractor—C. E. Kutzner, Bakersfield, Cal.
Only other bidder was Wm. Eissler of Bakersfield at $2700.
Plans Completed
SCHOOL Cost, $40,000
LOS ANGELES, Cal. Avenue 61, Highland Park.
Two-story 8-room reinforced concrete school building.
Owner—St. Ignatius Parish.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.

Plans Being Figured—Bids Close Sept. 14, 1921, 8 P. M.
ADDITION Cost, $——
MANHATTAN BEACH, Los Angeles Co., Cal. Center Street School.
Five-room hollow tile addition to School.
Owner—Manhattan Beach City School District.
Architects — Train & Williams, 226 West Mutual Life Bldg., Los Angeles.

Plans Being Figured—Bids Close Sept. 12, 1921, 7:30 P. M.
SCHOOL BLDGS. Cost, $——
SAN DIEGO, Cal. 28th and Marcey Sts.
Group of high school buildings.
Owner—San Diego Board of Education, 604 South Title Bldg., Los Angeles.
Architect—Theo. C. Kistner, 307 Central Mortgage Bldg., Los Angeles.
Bids will be taken separately on the general contract, plumbing, electrical work and heating.

Contract Awarded.
SCHOOL Cost, $17,623
FRESNO, Fresno Co., Calif.
One-story brick school (2 classrooms and auditorium).
Owner—Teague School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractors—Collman & Spiedel, 180 Jessie St., San Francisco.

Preliminary Sketches Approved—Bond Election to be Held Shortly.
SCHOOL Cost, $——
LIVERMORE, Alameda Co., Calif.
One-story interlocking tile school building (8 classrooms, auditorium, gymnasium, manual training, domestic science rooms, etc.)
Owner — Livermore Grammar School District.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Contract Awarded.
SCHOOL Cost, $26,516
FRESNO, Fresno Co., Cal.
One-story brick and stucco (5 classrooms and auditorium) school.
Owner—McKinley School District.
Architects—Swartz & Ryland, 624 Rowell Bldg., Fresno, Calif.
Contractor—J. B. Hart, 1225 Broadway, Fresno, Calif.
Other bidders were:
Collman & Spiedel, S. F.....$27,255
Barkelew & Gould, Tulare..... 29,282
Shorb & Neads, 600 McKinley Av. Fresno 27,500
W. J. Ochs, Coalinga..... 30,885
P. J. Lynch, San Francisco..... 29,425
Martin Const. Co., Fresno.. 28,098
Cereghino & Son, San Francisco.. 29,950
Barrett-Hicks Co., 1135 Broadway, Fresno, at $1774, awarded contract for heating. Other bidders were:
Newman Co., 1927 Merced St., Fresno $2277
Luppen & Hawley, 906 7th St., Sacramento 2395
J. B. Enright, San Francisco..... 2195

Contract Awarded.
ADDITION Cost, $13,600
ESCALON, San Joaquin Co., Calif.
One-story 4-room brick and frame school addition.
Owner—Escalon Grammar School Dist.
Architects — Davis,Heller-Pearce Co., Delta Bldg., Stockton.
Contractor—J. D. McDonald, Escalon.
The following bids were received:
J. D. McDonald.....$13,600
Hansen & Wood..... 15,800
Jos. Chirhart 15,789
R. A. Rasmussen..... 16,855
C. A. Tornell..... 17,162

Contracts Awarded.
SCHOOL Cost, $——
PETERS, San Joaquin Co., Cal. Near Town of Peters.
School building.
Owner—Trustees of the Everett School District.
Architect—Chas. H. Young, Commercial & Savings Bank Bldg., Stockton.
(1) Carpentry, Labor and Lumber to Samuel Eyre, Tracy.

(2) **Excavating, Concrete & Tile Work** to C. H. Miller, 1932 California St., Stockton.
(6) **Plumbing and Sheet Metal** to Miller & Hayes, 125 N-California St., Stockton.
(7) **Electrical Work** to Edison Electrical Co., 119 N-San Joaquin St., Stockton.
(8) **Roofing** to Simpson Gray, 124 W-Weber St., Stockton.

Contract Awarded.
SCHOOL Cost, $19,251
STOCKTON, San Joaquin Co., Cal. About 12 miles east of Stockton.
One-story 3-room brick and hollow tile school.
Owner—Linden School District.
Architects — Wright & Satterlee, Bank of Italy Bldg., Stockton.
Contractor—John T. Lewis, 245 S-American St., Stockton.

Plans Being Prepared
SCHOOL Cost, $40,000
COVINA, Los Angeles Co., Cal. Near Covina.
Reinforced concrete 6-room school building.
Owner—Charter Oak School District.
Architect — John C. Austin, Baker-Detwiler Bldg., Los Angeles.

Plans Being Figured—Bids Close Sept. 15, 1921, 8 p. m.
SCHOOL Cost, $25,000
SANTA ROSA, Sonoma Co., Cal. Roseland School District.
One-story frame and stucco school (4 rooms and auditorium).
Owner—Roseland School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

General Contract Awarded.
SCHOOL Cost, $85,000
ESCALON, San Joaquin Co., Cal.
One and two-story brick and tile school.
Owner—Escalon High School District.
Architects—Wright & Satterlee, Bank of Italy Bldg., Stockton.
General contract to John Madsen of Ripon at $64,800.
The heating contracts will in all probability be awarded to the Stockton Plumbing & Supply Co. of Stockton at $4622, and the program clocks to The Standard Electric Time Co. of San Francisco at $975.

Ready for Figures Next Week.
SCHOOL Cost, $65,000
NEWMAN, Stanislaus Co., Calif.
One-story hollow tile school (6 rooms and an auditorium).
Owner — Newman Grammar School District.
Architect—Geo. C. Sellon, Mitau Bldg., Sacramento.

SAN FRANCISCO.—On recommendation of Board of Education, City Architect John Reid, Jr., First National Bank Bldg., has been instructed by the Board of Public Works to prepare plans and specifications for the proposed Oral-deaf school to be erected at Bush and Hyde streets.

VENICE, Los Angeles Co., Cal.—J. L. Schimmer & Co., 2017 21st St., Santa Monica, has been awarded the general contract at $32,158 for erecting an 8-room brick grammar school building at Island Ave. school site, Venice. The plastering contract was also let to J. L. Schimmer & Co. at $2860; electrical work to Golden State Electric Co. at $1007; and plumbing to Venice Sanitary Plumbing Co. at $2791.50. Edwin Bergstrom, 1128 Cit. Nat. Bank Bldg., Los Angeles, architect.

TUCSON, Ariz.—The Board of Education has sold at par the $750,000 high school bond issue. The entire sum will be available for buildings and equipment, as the district owns a site. Lyman & Place and H. O. Jaastad of Tucson are the architects.

CROCKETT, Contra Costa Co., Cal.—Until Sept. 5, 8 p. m., bids will be received by S. D. Bishop, Clerk, John Swett Union High School District, for remodeling the heating and ventilation system of the John Swett High School. Cert. check $500 payable to clerk required with each bid. Specifications may be had from the clerk at Crockett.

VENICE, Los Angeles Co., Cal.—Venice Sanitary Plumbing Co., Venice, was awarded a contract at $165 for the plumbing for the 4-room brick school building to be erected on the Machado school site at Venice. The painting contract was let to Alhambra Wall Paper & Paint Co. at $635, and electrical work to Standard Electric Co. at $515. J. B. Harris, 808 Westchester Pl., is the general contractor. Edwin Bergstrom, 1128 Cit. Nat. Bank Bldg., Los Angeles, is the architect.

CHICO, Butte Co., Cal.—Until Sept. 14, 5 p. m., bids will be received by Chas. H. Camper, Clerk, Chico High School District, for installing heating system in Paradise school building. Certified check 5% payable to district required. Forms for bidding may be had from clerk.

FRUIT RIDGE, Sacramento Co., Cal.—Architect R. A. Herrold, Forum Bldg., Sacramento, commissioned to prepare plans for proposed addition to school building in Fruitridge School District. Addition will contain 4 classrooms and auditorium and will cost $25,000.

PALO ALTO, Santa Clara Co., Cal.—Standard Fence Co., 245 Market St., San Francisco, at $1507, awarded contract by Board of Education for constructing wire fence around Lytton Ave. school yard. Only other bidder was West Coast Iron Works of San Francisco.

ESCALON, San Joaquin Co., Cal.—The following bids were received on August 27th by the Trustees of the Escalon High School District for the construction of a one and two-story brick and tile school building. Plans were prepared by Architects Wright & Satterlee, Bank of Italy Bldg., Stockton. Bids were taken under advisement.

General Contract

John Madsen, Ripon	$64,800
L. S. Peletz, Stockton	65,872
Hansen & Wood	65,725
Shepherd & Riley	66,159

Heating

Stockton Plumbing & Supply Co.	$4622
Louis Brandt	4686
Carl Doell	4922
Scott Co.	4997
Hoffman & Rhine	5244
E. L. Gnekow	5645

Program Clocks

Standard Elec. Time Co.	$975
Pacific Electric Co.	989

LOMPOC, Cal.—
The following bids were received by Board of Trustees of Lompoc School District for new 9-room grammar school building.; R. C. Farrell, 444 I. W. Hellman Bldg., Los Angeles. The bids were ordered rejected and new bids called for, to be in at 2:30 p. m., Sept. 10:

General Work—Appleton & Davis, $62,125; W. C. Duncan, $62,180; D. Condley Co., $62,718; D. R. Wagner, $64,690; John Simpson & Co., $67,950; A. H. Avery, $69,440.

Electric Wiring—Nelson & Smith, $1548; J. B. Hurst, $2375; Standard Electric Co., $1580; F. E. Newbery Electric Co., $1625; L. C. DeSelm, $1700.

Painting—Napier, $1856; Alhambra Wall Paper & Paint Co., $2419; Z. Knott, $2560; D. Zelinsky & Sons, $2400; R. Zelinsky, $2984; Arenz-Warren Co., $2676; John Simpson & Co., $3450; Culver & Morganfield, $3500; G. F. Learned, $3110.

Plumbing—Nichols & Fabing, $4950; Carver & Aschman, $5288; O. L. Cassiday, $5600; G. C. Sutton, $5717; Thos. Haverty Co., $6497; Ott Hardware Co., $6450.

Heating—Carver & Aschman, $3482; Nichols & Fabing, $3900; Thos. Haverty Co., $4608; G. C. Sutton, $4600; O. L. Cassiday, $4100; Ott Hardware Co., $5698.50; Moore Mercantile Co., $3553.

CHICO, Butte Co., Cal.—Until Sept. 14, 5 p. m., bids will be received by Chas. H. Camper, Clerk, Chico High School District, for fur. and del. furniture for Chico High School. Certified check 5% payable to district required with each bid. Forms for bidding may be had from clerk.

VENICE, Los Angeles Co., Cal.—Robert B. Ogden, 2103 7th Ave., Los Angeles, submitted the lowest bid at $36,889 on the general contract for erecting an 8-rm. brick school building at Abbott Kinney school site, Venice. Edwin Bergstrom, 1128 Cit. Nat. Bank Bldg., Los Angeles, is the architect. Other low bidders were: Alhambra Wall Paper & Paint Co. on the painting at $1520; T. N. Fierce on blackboards at $588; Standard Electric Co. on electrical work at $995; Gowdy-Bailhache Co. on the heating at $995; and Venice Sanitary Plumbing Co. on the plumbing at $2750. The full list of bids, which were taken under advisement, were as follows:

General Contract—Robert B. Ogden, $36,889; (a) deduct for comp. rf. instead of tile, $1500; (b) add for concr. coping, no bid. J. L. Schimmer & Co., $39,000; (a) $2418; (b) $1000. J. F. Kobler, $39,144; (a) $2112; (b) $240. Darrell Condley Co., $40,600; (a) $2180; (b) $2300, and McFadden & Winkelman $40,800; (a) $2300; (b) $900.

Painting—Alhambra Wall Paper & Paint Co., $1520; G. C. Hewitt, $1590; R. Zelinsky, $1792; and Bonham Bros., $2447.34.

Blackboards—T. N. Fierce, $588 and $630; Rucker-Fuller Desk Co., $617; and C. F. Weber Co., $800.

Electrical Work—Standard Electric Co., $995; Golden State Electric Co., $997.

Heating—Gowdy-Bailhache Co., $995; Potter-Strutz Radiator Corp., $1108; Pacific Gas Radiator Co., $1198; E. F. Hammel Co., $1255; Williams Radiator Co., $1434.75; and Pemberton Heating Co., $4500.

Plumbing—Venice Sanitary Plumbing Co., $2750; Wilmot Bros., $3163; and Thos. Haverty Co., $3255.

SAN JOAQUIN, Fresno Co., Cal.—The Board of Trustees of the San Joaquin School District have awarded contracts as follows for the construction of a new school building. Plans were prepared by Architect Ernest J. Kump, Rowell Bldg., Fresno:

Bid No. 1—Excavating, concrete and cement work, to Earl R. Smith at $3700.

Bid No. 2—Carpenter work to Snyder, Osen & Simonson at $10,077.

Bid No. 3—Brick work, material and labor, to J. E. McDougal at $4810.25.

Bid No. 4—Steel, iron, reinforcing steel wire, etc., to Burnett Iron Works, Fresno, at $400.

Bid No. 5—Tile roofing to Fresno Roof and Paint Co., 1150 Broadway, Fresno, at $2460.

Bid No. 6—Plumbing to M. E. Perkins at $1830.

Bid No. 7—Galvanized iron, sheet metal work to M. E. Perkins at $275.

Bid No. 8—Heating to C. F. Weber & Co., San Francisco, at $120.

Bid No. 9—Lathing, plastering, ornamental casting, etc., to Earl R. Smith at $2972.

Bid No. 10—Schilling & Fair, electric wiring, at $317.

Bid No. 11—Painting to Mason & Pomeroy at $1023.

Bid No. 12—Furnishing and installing blackboards to C. F. Weber at $364.32.

Bid No. 13—Finished hardware to Fresno Hardware Co. at $582.

FRESNO, Fresno Co., Cal.—Shorb & Neads, 627 McKinley St., Fresno, at $9396, awarded contract by Board of Education to construct six bungalows. Anton Johnson, Kingsburg, bid $12,000.

Following bids were received and taken under advisement for constructing a gymnasium: Collman & Speidel, San Francisco, $27,160; Frederickson & Shannon, Cory Bldg., Fresno, $29,900; Shorb & Neads, McKinley St., Fresno, $25,693; Anton Johnson, Kingsburg, $24,000.

Trewhitt-Shieds Co., 435 Rowell Bldg., Fresno, Superintendents of Construction.

SAN FRANCISCO.—Until Sept. 14, 3 p. m., bids will be received by Board of Public Works for constructing addition to Spring Valley school in north side of Washington St. between Hyde and Larkin Sts. Building will be three stories in height with interior bearing walls of reinforced concrete and brick exterior. Segregated bids will be taken as follows:

General construction, estimated cost, $75,000. Bond of $18,750 required of successful bidder:

	Est. Cost	Bond
Brick and terra cotta work	$18,000	$4500
Plumbing	4000	1000
Heating	2000	500
Electrical work	1800	450

Work to be started 5 days after award of contract and completed within 390 days. Plans may be had from Bureau of Architecture, 3rd floor, City Hall.

LOS ANGELES, Cal.—Until 2 P. M., Sept. 8, bids will be received by the Trustees of Bonita Union High School District for furnishing school supplies and equipment in accordance with lists on file at the principal's office at the high school, between San Dimas and La Verne. Certified check or bond for 5% required. Specifications for library equipment, samples or photographs of opera chairs, and samples or photographs of lockers must be submitted with bids.

BERKELEY, Cal. — The following bids were received on August 30th by the Berkeley Board of Education for lighting fixtures, painting and program clocks for schools. All bids were taken under advisement:

HIGH SCHOOL BUILDING
Lighting Fixtures and Wiring

B. C. White, San Francisco....$2160.00
F. A. Newbery, San Francisco.. 2432.00
(2) $2210; (3) $2360
Roberts Mfg. Co., S. Francisco 2329.00
(2) $2344; (3) $2558
Dierson & Co., San Francisco.. 2231.65
(2) $2255.85
Boyd Lighting Fix. Co..... 2460.00
(2) $2675.
Rochester Elec. Co.....$2541.79
(2) $2835.67.
Edison Elec. Co..... 2623.00
(2) $2916.
Spencer Elec. Co..... 2829.00
(2) $2987.

NEW LINCOLN GRAMMAR SCHOOL
Lighting Fixtures

B. C. White, San Francisco..	$165	$...
Rochester Elec. Co., Berkeley	462	468
Edison Elec. Co., Berkeley..	421	...
Roberts Mfg. Co., S. F.....	273	278
Spencer Elec. Co., Oakland..	384	385
Diersen & Co., San Francisco	221	...

GARFIELD INTERMEDIATE SCHOOL
Lighting Fixtures

B. C. White.....	$168	$...
Diersen & Co.	206	230
Spencer Elec. Co.	381	389
Rochester Elec. Co.....	458	475
Roberts Mfg. Co.....	296	309
Edison Elec. Co.	411	426

OXFORD SCHOOL
Painting Exterior

Burden & Kirkhouse, Berkeley..	815
C. D. Erwin	$1019
R. Zelinsky	1345
Zeb Knott	1312
Simmons & White	1500

LINCOLN SCHOOL
Electric Program Clock

Pacific Elec. Clock Co.....	1075	775
Standard Elec. Time Co...	$1425	$....
International Time Recording Co.	1126	1019

GARFIELD SCHOOL
Electric Program Clock

Pacific Elec. Clock Co....	$1400	$1025
Standard Elec. Time Co...	1730	1471
International Time Recording Co.	1472	1320

LONG BEACH, Los Angeles Co., Cal.—The Long Beach Board of Education has selected three architectural firms to design the new school buildings to be erected under the recent bond issue of $1,900,000. The firms selected are John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, and W. Horace Austin, 1st Nat. Bank Bldg., Long Beach, associated; H. Alfred Anderson, Long Beach, and Allison & Allison, 1405 Hibernian Bldg., Los Angeles, associated, and F. H. Gentry, Long Beach, and Parker O. Wright, 1133 Central Bldg., Los Angeles, associated. The building program includes three new buildings at the high school, viz.: A new classroom building to cost $200,000 and two gymnasiums to cost $100,000 each. There will also be two intermediate school buildings to cost $200,000 each and ten new grammar school buildings. The buildings to be designed by each firm of architects have not been assigned as yet.

STOCKTON, San Joaquin Co., Cal.—Home Electric Co., 331 E. Main St., Stockton, at $1370, awarded contract by Board of Education for furnishing and installing electric fixtures for Stockton High School. Other bidders were: Boyd Light and Fixture Co., San Francisco, $1797; Commercial Electric Co., 311 East Market St., Stockton, $1443.20; Roberts Mfg. Co., San Francisco, $1756; E. L. Gnekow, 123 W. Park St., Stockton, $2124; Hild Electric Mfg. Co., 106 W. Weber St., Stockton, $1671.

Bids for heating system taken under advisement: E. L. Gnekow, $5498; Scott Co., $5784.

E. L. Gnekow only bidder for installing interphone system at $1075, with alternative bid of $740 for equipment other than specified by advertisement. Taken under advisement.

Gnekow only bidder for fire hose and racks at $300. Taken under advisement. Ansel S. Williams, Clerk of Board of Education.

WOODBRIDGE, San Joaquin Co., Cal.—The following bids were received on August 27th, by the Trustees of the Woods School District in Woodbridge, for the construction of a one-story hollow tile and plaster school building from plans prepared by Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

All bids were rejected and new bids called for to be opened on September 14, 1921, at 3 P. M. This time bids will be taken for segregated contracts.

Joe Rundberg	$56,917
C. P. Wright.....	59,500
Jas. L. McLaughlin.....	59,810
F. A. Holdner.....	65,000
Collman & Spiedel.....	65,136

SANTA ROSA, Sonoma Co., Cal.—Until Sept. 13, 12 noon, bids will be received by J. C. Poor, Clerk, Todd School District, Route 2, Box 355, Santa Rosa, for installing automatic pressure water system in well on school grounds. Certified check 10% payable to district required with each bid.

BAKERSFIELD, Kern Co., Cal.—Until Sept. 12, 11 a. m., bids will be received by F. R. Tolf, Clerk, Elk Hills School District, for fur. and dél. all school equipment for the Elk Hills school, as per specifications on file in office of Orville L. Clark, Brower Bldg., Bakersfield. Cert. check 10% payable to clerk required with each bid.

VALLEJO, Solano Co., Cal.—Rucker-Fuller Desk Co., 677 Mission St., San Francisco, has been awarded a contract by the Vallejo Board of Education, Elmer Cave, Secretary. Contract price, $6616.

The following firms also submitted bids: Heywood Bros. & Wakefield Co.; Milo Harding; Milton Bradley, and C. F. Weber Co.

SACRAMENTO, Cal.—Until Sept. 15, 8 P. M., bids will be received by H. M. Adams, Clerk, Reese School District, for the construction of a one-room school building. Certified check for 10% payable to clerk required with each bid.

FRESNO, Fresno Co., Cal—Board of Education awards contracts as follows:

Fire hose for high school to Barrett-Hicks, 1135 Broadway, Fresno.

Curtains and drapery for stage to C. F. Weber Co., San Francisco.

Equipment for library: Shelving to M. G. West Co. (through H. W. Heller of Fresno, representative); charging desk and wings to C. F. Weber Co.; tables and chairs for students' use to Rucker-Fuller Sales Co., Fresno; librarian's office desk and chair to Heywood Bros. & Wakefield Co. of San Francisco; special library equipment to F. W. Wentworth (Library Bureau), San Francisco.

STOCKTON, San Joaquin Co., Cal.—Until Sept. 7, 8 p. m., bids will be received by Ansel S. Williams, Secretary, Board of Education, for fur. and del. lumber for Stockton schools, according to specifications on file in office of secretary.

STORES AND OFFICES

Contract Awarded.

PLUMBING, ETC. Cost, $15,000
HOLLYWOOD, Los Angeles, Cal.
Plumbing and heating on a 4-story and basement reinforced concrete store and office building.
Owner—Palmer Bldg. Corp., Hollywood, Cal.
Engineer—E. T. Flaherty, I. W. Hellman Bldg., Los Angeles.
Contractor, W. P. McArthur, I. W. Hellman Bldg., Los Angeles.

Preliminary Plans Being Prepared.

STORE, OFFICE BLDG. Cost, $350,000
OAKLAND, Cal. Broadway and 20th Sts.

Eight-story Class A store and office building.
Owner—Gorrill Estate.
Architect—Washington J. Miller, Lachman Bldg., 417 Market St., San Francisco.
Work will be started as soon as the new Fox and Orpheum theatres in the same vicinity are under way.

Contract Awarded.
STORES Cost, $8733
BAKERSFIELD, Kern Co., Cal.
One-story brick (3) stores.
Owner—Name withheld.
Architect—J. M. Saffell, 924 19th St., Bakersfield, Cal.
Contractor—F. E. Adams, Bakersfield, Cal.
Other bidders were. D. Starling $9858; Wm. Eissler, $8800; C. E. Kutzner, $10,850, all of Bakersfield.

Permit Applied For.
STORE BLDG. Cost, $99,074
FRESNO, Fresno Co., Cal. 1120 J St.
One-story and basement reinforced concrete store building.
Owner—Mrs. A. L. Wallace.
Architect and Contractor—R. F. Felchlin Co., Bank of Italy Bldg., Fresno.

Contract Awarded.
SALES & OFFICE BLDG. Cost, $10,000
FRESNO. 811-15 Van Ness Ave.
One-story brick sales and office building.
Owner—Pete Droge, Fresno.
Lessee—Associated Oil Co., Rowell Bldg., Fresno.
Architect—None.
Contractors—Pritchard Bros., Rowell Bldg., Fresno.

Plans Being Prepared.
STORE BLDG. Cost, $22,000
SAN FRANCISCO. SW Clement St. and Tenth Avenue.
One-story reinforced concrete (3) store building.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Figures will be taken in about two weeks.

Plans Being Prepared.
OFFICE BLDG., Etc. Cost, $——
LOS ANGELES, Cal. No. 636 South Hill Street.
Class "A" office and loft building, 375x140, 150 feet high.
Owner—Starr Piano Company.
Architect—C. H. Plummer, Story Bldg., Los Angeles.

Contract Awarded.
STORE BLDG. Cost, $10,000
OAKLAND. NE College and Ocean View Dr.
One-story store building.
Owner—Dr. Newell Wilson.
Architect and Contractor—Leonard H. Thomas, 251 Russ Bldg., S. F.

Segregated Figures Being Taken.
STORE BLDG. Cost, $225,000
OAKLAND, Alameda Co., Cal. Broadway between 15th and 16th Sts.
Three-story reinforced concrete store building.
Owner—H. C. Capwell Co.
Lessee—Reich & Lievre.
Architect—Wm. Knowles, Call Bldg., S. F., and Central Bank Bldg., Oakland.

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THEATRES

Preliminary Plans Being Prepared.
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SAN MATEO, San Mateo Co., Cal.
Bowl race track for motor driven vehicles.
Owner—San Francisco Speedway Assn., San Francisco.
Architects—Glass & Butner, Hearst Bldg, San Francisco.
Sketches are for a very large track.

Plans Being Prepared.
ALTERATIONS Cost, $——
SACRAMENTO, Cal. K St. (Liberty Theatre).
Alterations to theatre (new ceiling, ornamental plaster, re-decorating and improving lighting system).
Owner—Wm. Trusts, Sacramento.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.

Concrete and Excavating Contract Awarded.
THEATRE, ETC. Cost, $75,000
MARTINEZ, Contra Costa Co., Cal. Ward and Ferry Streets.
Two-story reinforced concrete theatre.
Owner—J. J. McNamara, Martinez.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
The contract for the excavating and concrete work has been awarded to George Bitcomb of Martinez. Contracts on the balance of the work will be awarded shortly.

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SUBSCRIPTION BLANK

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Send me Building and Engineering News for one year, commencing with next issue, for which I enclose check for $4.00

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Official Proposals

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BIDS WANTED FOR STEEL WORK

BUREAU OF YARDS AND DOCKS, Navy Department, Washington—Bids are wanted until September 21, specification 4464, for steel work machine shop at Pearl Harbor, H. T. Deposit for plans $10. For information address chief of bureau.

METAL SHELVING BIDS WANTED

OFFICE OF THE SUPERVISING Architect, Treasury Department, Washington.—Bids are wanted until September 26 for installing metal vault shelving in the U. S. public building, Honolulu, H. T.

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Plans and specifications will be available for distribution shortly and will be forwarded when available upon the receipt of check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, as security for their safe return.

R. L. MARTIN,
Lieut. Comdr. (CEC) U. S. Navy,
By direction, Public Works Officer.

TO CALL BIDS FOR RIPRAPPING

NOTICE TO CONTRACTORS

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The work includes the excavation of approximately 100,000 cu. yds. of rock at the southerly end of Mare Island, and the depositing thereof outside of Dike No. 12.

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STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

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Tuolumne County, Between Westerly Boundary and one mile north of Keystone (III-Tuo-13-A), about 9.4 miles in length, to be paved with Portland cement concrete.

Tuolumne County, Between Jamestown and Sonora (III-Tuo-13-B), about 3.5 miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated August 8, 1921.

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Stanislaus County, between Southerly Boundary and Ceres (III-Sta-4-A), about 6.0 miles in length, to be surfaced with Asphalt concrete.

Santa Clara County, between Perry and Morgan Hill (IV-S.Cl-2-B), about 4.3 miles in length to be surfaced with Asphalt concrete.

Santa Clara County, between Gilroy and Carnadero Creek (IV-S.Cl-2-C), about 1.7 miles in length, to be paved with Portland cement concrete.

Monterey County, between King City and South side of Salinas River (V-Mon-2-F), about 10 miles in length, 0.5 miles to be paved with Asphalt concrete and 0.5 miles to be surfaced with Asphalt concrete.

Santa Barbara County, between Canada de la Posta and Gaviota (V-SB-2-E & F), about 3.2 miles in length to be widened with Portland cement concrete shoulders and surfaced with Asphalt concrete.

Merced County, between Delhi and Northerly Boundary (VI-Mer-4-D), about 4.2 miles to be surfaced with Asphalt concrete.

Orange County, between Fullerton and Northerly Boundary (VII-Ora-2-F), about 4.8 miles in length, 2.8 miles to be paved with Portland cement concrete and 2.0 miles to be widened with Portland cement concrete shoulders and surfaced with Asphalt concrete.

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JOHN F. GALVIN,
Secretary.

Dated August 22, 1921.

NOTICE TO CONTRACTORS

(Four Ward Buildings)

Office of the Clerk of the Board of Supervisors, Alameda County, Calif.

SEALED BIDS will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until 10 o'clock A. M. on Monday, October 3rd, 1921** (the only day when said bids will be opened), for all labor and material and mechanical workmanship required for the erection and partial completion of Ward Buildings numbers Four, Six and Eight, and connecting corridors for Highland Hospital of Alameda County at 14th Avenue and Vallecito Place, Oakland, California; also certain partition work, etc., in Wards, One and Two and in Service Building.

Complete plans and specifications for said work are on file in the office of the County Clerk, open to inspection.

Copies may be obtained by depositing with the County Clerk the sum of One Hundred ($100.00) Dollars. Contractors will be restricted as to the length of time they may retain these plans and specifications to ten (10) days.

Contractors failing to return said plans and specifications within said time limit will forfeit their deposit to the County of Alameda. The entire amount of the deposit will be returned to contractors returning plans and specifications in good condition within said time limit.

Each bid must be accompanied by a check for at least ten (10) per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract or to give the bond required by the Board for the faithful performance of the Contract.

GEO. E. GROSS
Clerk of the Board of Supervisors of
the County of Alameda.
Dated, August 22nd 1921.

Eight-story Class A store and office building.
Owner—Gorrill Estate.
Architect—Washington J. Miller, Lachman Bldg., 417 Market St., San Francisco.
Work will be started as soon as the new Fox and Orpheum theatres in the same vicinity are under way.

Contract Awarded.
STORES Cost, $8743
BAKERSFIELD, Kern Co., Cal.
One-story brick (3) stores.
Owner—Name withheld.
Architect—J. M. Saffell, 924 19th St., Bakersfield, Cal.
Contractor—F. E. Adams, Bakersfield, Cal.
Other bidders were. D. Starling $9858; Wm. Eissler, $8800; C. E. Kotzner, $10,850, all of Bakersfield.

Permit Applied For.
STORE BLDG. Cost, $99,074
FRESNO, Fresno Co., Cal. 1120 J St.
One-story and basement reinforced concrete store building.
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Plans Being Prepared.
STORE BLDG. Cost, $22,000
SAN FRANCISCO. SW Clement St. and Tenth Avenue.
One-story reinforced concrete (3) store building.
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Figures will be taken in about two weeks.

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STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

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JOHN F. GALVIN,
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(Four Ward Buildings)

Office of the Clerk of the Board of Supervisors, Alameda County, Calif.

SEALED BIDS will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until 10 o'clock A. M. on Monday, October 3rd, 1921** (the only day when said bids will be opened), for all labor and material and mechanical workmanship required for the erection and partial completion of Ward Buildings numbers Four, Six and Eight, and connecting corridors for Highland Hospital of Alameda County at 14th Avenue and Vallecito Place, Oakland, California; also certain partition work, etc., in Wards, One and Two and in Service Building.

Complete plans and specifications for said work are on file in the office of the County Clerk, open to inspection.

Copies may be obtained by depositing with the County Clerk the sum of One Hundred ($100.00) Dollars. Contractors will be restricted as to the length of time they may retain these plans and specifications to ten (10) days.

Contractors failing to return said plans and specifications within said time limit will forfeit their deposit to the County of Alameda. The entire amount of the deposit will be returned to contractors returning plans and specifications in good condition within said time limit.

Each bid must be accompanied by a check for at least ten (10) per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the contract.

GEO. E. GROSS
Clerk of the Board of Supervisors of
the County of Alameda.
Dated, August 22nd, 1921.

NOTICE TO CONTRACTORS

Brick & Concrete School, Cost, $150,000

NOTICE IS HEREBY GIVEN that sealed bids will be received and opened by the Board of Trustees of the Napa School District, Napa County, California, **up to 8 P. M. o'clock, on the 15th day of September, 1921,** for the erection and completion of a concrete and brick school building to be known as the John L. Shearer Grammar School, in the City of Napa, Napa County, California, all in accordance with plans and specifications made for the same by W. H. Weeks, the authorized architect employed by the Board.

Bids will be received as follows:

(1) The General Contract, together with alternate propositions.

(2) The Heating System.

Plans and specifications can be seen at the office of the Clerk of the Board in Napa, between the hours of 9 A. M. and 3 P. M. of any day, except Saturdays, Sundays and holidays, or at the office of the Architect, W. H. Weeks, 75 Post Street, San Francisco, California, during business hours.

On a deposit of Twenty ($20.00) Dollars complete sets of said plans and specifications may be had by any prospective bidder. If not returned by the time bids are received or if mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made on proposal blanks obtained at the office of the Architect and to be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank and made payable to Howard E. Roper, Clerk of the Board of Trustees of the Napa School District, to be retained by said School District as liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into contract after the award, or to give bonds required for the faithful performance of the contract or any bond required by law.

The Board reserves the right to reject any and all bids.

Address bids to Howard E. Roper, Napa, California. Clerk of the Board.

NOTICE TO CONTRACTORS

(Frame Gymnasium and Auditorium)

NOTICE IS HEREBY GIVEN by the Board of Trustees of the Anderson Valley Union High School District, Mendocino Co., California, that bids will be received by said Board for the erection and construction of a frame Gymnasium - Auditorium at Anderson Valley in said district.

Plans and specifications may be obtained from the Clerk of the Board at Philo, Calif., or from the Architect, Norman R. Coulter, at 46 Kearny street, San Francisco, California. A deposit of Ten ($10.00) Dollars will be required for each set of plans.

All bids will be opened by the said Board of Trustees on the **12th day of September, 1921, at 8 o'clock P. M., at the High School Building** of Anderson Valley, and all bids must be delivered to Mr. Byron G. Gowan, Clerk of said Board, before said hour, enclosed in sealed envelopes and marked on the outside, "Bids for construction of Gymnasium-Auditorium near Boonville, in Anderson Valley, Calif."

All bids must be accompanied by a certified check, cash or a certificate of deposit, equal to ten per cent of the amount bid; checks or certificates of deposit to be made payable to the Board of Trustees and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted upon his entering into a contract with the said School District and giving such bonds as may be required by law or said Board.

The Board of Trustees reserves the right to reject any and all bids.

BYRON G. GOWAN,
Clerk of the Board of Trustees of the Anderson Valley Union High School District, Anderson Valley, Mendocino County, California.

NOTICE TO BIDDERS

(Two-story Office Building)

NOTICE IS HEREBY GIVEN that sealed proposals are invited to be delivered at the office of the City Clerk of the City Council of the City of Stockton in the annex to "The Stockton," Stockton, California, **up to and including the 13th day of September, 1921, at the hour of 10:30 o'clock A. M.,** for the furnishing of labor and materials necessary for the construction of a two-story office building on the north side of Stockton Channel near El Dorado street in the City of Stockton, according to the plans and specifications therefor, on file in said office, to which reference is hereby made.

The contract for the performance of said work and the furnishing of said material shall be exercised within ten (10) days after the award thereof shall have become final, and the performance thereof shall be commenced within ten (10) days after the execution of the contract for the same, and completed within 120 days thereafter.

The successful bidder is required to give bonds for the faithful performance of the contract in the sum of 50 per cent of the contract price.

All proposals shall be accompanied by a check certified by a responsible bank, payable to the order of the City Clerk, or by coin of the United States, for an amount not less than ten per cen (10%) of the aggregate of the proposal.

In the event that the person, firm or corporation to whom said contract may be awarded, fails, neglects or refuses to enter into contract to perform said work and furnish said materials as hereinabove provided, the the certified check and the amount therein mentioned, or the coin, accompanying the bid of said person, firm or corporation, shall be declared to be forfeited to said City, as liquidated damages.

Said contract will be let to the lowest responsible bidder, provided, however, that the City Council reserves the right to reject any and all bids and to re-advertise for bids or to provide for the work to be done by the Department of Public Works.

Dated: August 17, 1921.

A. L. BANKS,
City Clerk of the City of Stockton.

NOTICE TO CONTRACTORS

(Two Portable Schools)

NOTICE IS HEREBY GIVEN that the President of the Board of Education of the City of Santa Rosa School District, Sonoma County, California, will receive bids for the construction of two (2) wooden portable one-room school buildings, **until 11 o'clock A. M., September 26, 1921,** at his office in the Dougherty-Shea Building in the City of Santa Rosa, and that these bids will be opened and read at the above mentioned time and date and place in the presence of all concerned. Plans and specifications for the work may be obtained from William Herbert, Architect, City Hall, Santa Rosa, California. A deposit of Five Dollars ($5.00) will be required to insure the return of the plans and specifications.

HILLIARD COMSTOCK,
President, Board of Education, City of Santa Rost School District.

SARAH N. HATCH,
Secretary, Board of Education, City of Santa Rosa School District.

NOTICE TO BIDDERS

(Court House Furnishings, Etc.)

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of Ormsby County, State of Nevada, will receive bids for furniture, carpets, linoleum, shades, light fixtures and cabinet work to be installed in the new Court House Building, Carson City, Nevada.

Plans and specifications may be secured at the office of F. J. DeLongchamp, Architect, Reno, Nevada.

Bids will be received at the office of the County Clerk at Carson City, Nevada, **up to 12 o'clock noon on September 19, 1921.**

All bids shall be sealed in opaque envelopes, addressed to County Clerk and marked "Bid for Court House Equipment."

Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the total amount of the items bid on.

Bidders may bid on one or more items authorized by the Board of County Commissioners for Ormsby County, Nevada, the 17th day of August, 1921.

ORMSBY BOARD OF COUNTY COMMISSIONERS,
E. S. DAUGHERTY,
Chairman.
J. W. LEGATE, Clerk.

BIDS WANTED FOR WILLITS SCHOOL

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN by the Board of Trustees of the Willits Elementary School District of Willits that bids for the erection of a concrete school building, to be built in Willits, will be received.

All bids submitted are to be sent to the Clerk of the Board, Mr. J. J. Keller, **not later than 8 P. M., September 10th, 1921,** at Willits, California.

Bids are to be opened at the Willits Mercanitle Company's store by the Board and each bid must be accompanied by certified check of not less than 10 per cent of the amount of the bid submitted. The Board reserves the right to reject any and all bids submitted and contractors submitting bids do so with the understanding that their bid can be accepted or rejected by the said Board.

Plans may be obtained from the Clerk of the Board or from the Architect, Norman R. Coulter, 46 Kearny St., San Francisco. Contractors getting plans to figure will be required to pay a deposit of $10, to be returned when plans are returned.

NOTICE TO BIDDERS

On the New Hope Grammar School Building, Thornton, San Joaquin County, California.

NOTICE IS HEREBY GIVEN by the Board of Trustees of the New Hope School District that sealed bids will be received by the Board of Trustees, at the New Hope grammar school building, located in the town of Thornton, **up to 7 o'clock P. M., on the 12th day of September, 1921,** at which time all bids will be publicly opened.

Said bids shall be for the furnishing of all labor and material and constructing a one-story grammar school building according to plans and specifications prepared by Wright & Satterlee, Architects employed by the Board; said bids to be for all work, according to said plans and specifications for said building.

Said building to be located on the site of the present grammar school building and east of the said present school building.

Each bid must be accompanied by a certified check or certificate of deposit for two hundred dollars ($200.00), made payable to Robert Nichols Jr., Clerk of the Board of Trustees, and conditioned that the successful bidder shall enter into a contract in accordance with such bid, and file with said Board of Trustees approved bonds within six days after the acceptance of his bid, which bonds shall be conditioned for the faithful fulfillment of the contract entered into and to be done thereunder, and for the protection of all persons performing labor or furnishing materials for the construction of said building.

In case the contractor shall fail to execute the required contract or furnish a bond acceptable to the Board within the six days, due notice having been given him, then shall the contractor forfeit all claims to the said two hundred dollars ($200.00), and it shall become the property of the New Hope School District.

All bids must be submitted upon forms obtained from the architects.

Contractors must make a deposit of ten dollars ($10.00) with the architects when taking plans and specifications from the office, which amount will be returned to said contractor

upon return of the plans in good condition to the office of the architects.
The Board reserves the right to reject any or all bids.
Dated August 26th, 1921.
By order of the Board of Trustees.
ROBERT NICHOLS Jr., Clerk.
G. L. BARBER.
W. C. HOUSKEN.

NOTICE TO BIDDERS

On Alterations to Shop Buildings at the Lodi Union High School Building

Notice is hereby given by the Board of Trustees of the Lodi Union High School District, that sealed bids will be received by the said Board of Trustees at the Lodi Union High School Building, located in the City of Lodi, **up to 7 o'clock P. M., on the 10th day of September, 1921,** at which time all bids will be publicly opened.
Said bids shall be for the furnishing of all labor and material for the finishing of certain rooms on the 2nd floor of Shop Building, according to plans and specifications prepared by Wright & Satterlee, architects, employed by the Board, said bids to be for all work according to said plans and specifications for said building.
Said Building is in the rear of the main High School Building.
All bids are to be for work according to said plans and specifications, which may be obtained at the office of Wright & Satterlee, in the Bank of Italy Building, Stockton, California, during business hours.
Each bid must be accompanied by a certified check or certificate of deposit for One Hundred ($100.) Dollars made payable to Perry O. Clark, Clerk of the Board of Trustees, and conditioned that the successful bidder shall enter into a contract in accordance with such bid, and file with said Board of Trustees an approved bond within six days after the acceptance of his bid, which bond shall be conditioned for the faithful fulfillment of the contract entered into and to be done thereunder and for the protection of all persons performing labor or furnishing materials for the construction of said building.
In case the contractor shall fail to execute the required contract or furnish a bond acceptable to the Board within the six days, due notice having been given him, then shall the contractor forfeit all claims to the said One Hundred ($100) Dollars, and it shall become the property of the Lodi Union High School District.
All bids must be submitted upon forms obtained from the Architect.
Contractor must make a deposit of ten ($10) dollars with the architects when taking plans and specifications from the office which amount will be returned to said contractor upon return of the plans in good condition to the office of the Architects.
The Board reserves the right to reject any or all bids.
Dated August 30, 1921.
By order of the Board of Trustees.
PERRY O. CLARK,
Clerk.
W. S. MONTGOMERY,
FRED G. PERROTT.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Woods School District, Woodbridge, California, at the office of the Clerk of said Board at the School House of said District, located in the town of Woodbridge, County of San Joaquin, State of California, **until 3 o'clock P. M., Wednesday, September 14, 1921,** for the erection of a school building to be built in Woodbridge, California, according to plans and specifications prepared for the same by George C. Sellon and Company, the authorized architects.
Bids will be received for the various branches of the work as follows: For the mason work and carpenter work combined; for the mason work; for the carpenter work; for the plastering, for the painting, for the roofing, for the sheet metal work, for the plumbing, for the heating, and for the electrical work.
Bids will also be received for the mechanical construction (including sheet metal work, plumbing, heating and electrical work).
Plans and specifications can be seen at the residence of the Clerk of said Board of Trustees, at Woodbridge, California, and may be seen at or obtained from the office of the Architects, 202 Mitau Building, Sacramento, California. A cash deposit of $25.00 will be required from all prospective bidders on all copies of plans and specifications loaned out, as a guarantee of the same being returned.
All shall be presented on blank forms which may be procured at the office of architects. Each bid must be accompanied by a certified check on some responsible California bank for a sum of not less than ten per centum (10%) of the amount of the bid, made payable to Geo. M. Bancroft, Clerk of the Board of Trustees, as a guarantee of good faith that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for faithful performance of said work, and in case the bidder to whom the contract is awarded fails or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said School District in the manner provided by law. Each bid must be enclosed in a sealed envelope and addressed to Geo. M. Bancroft, Clerk of the Board of Trustees of Woods School District, Woodbridge, California, and endorsed "Proposal for building school."
The Board of Trustees expressly reserves the right to reject any or all bids.
By order of the Board of Trustees of Woods School District, Woodbridge, San Joaquin County, California.
Dated August 29, 1921.
Signed: GEO. M. BANCROFT.
Signed: MARTHA D. GARRISON.
Signed: L. T. MASON,

NOTICE TO PAINTERS

(Hospital Buildings)

NOTICE IS HEREBY GIVEN that sealed proposals or bids will be received by the Board of Supervisors of Santa Clara County, California, in their rooms in the Court House, in the City of San Jose, **up to 11 o'clock A. M. of Monday, October 3, 1921,** for painting main building as Santa Clara County Hospital, also Superintendent's residence, Tuberculosis Building, Old Ladies' and Old Men's cottages and Employes' cottage, Morgue and Gas House, Water Tower and Tanks of the Santa Clara County Hospital, in accordance with plans and specifications on file in the chambers of the Board of Supervisors for said work.
Each bid must be accompanied by a certified check in the sum of 5 per cent of amount bid, drawn upon some reliable bank in favor of Henry A. Pfister, County Clerk, as liquidated damages in case the successful bidder fails to file a satisfactory bond as required by said Board within five days for the faithful performance of the conditions of the contract.
The Board reserves the right to reject any and all bids.
All bids must be addressed to John Roll, Chairman of the Board of Supervisors of Santa Clara County, and indorsed "Bids for Painting Hospital Buildings."
By order of the Board of Supervisors of Santa Clara County.
Attest: HENRY A. PFISTER, Clerk.
By Eugene M. Don, Deputy Clerk.

BIDS WANTED

(Road Building Equipment)

Bids will be received on the following equipment. Bids to be as is, in Winnemucca, Nevada. Equipment is in good condition. Was purchased by the Telephone Company for road building purposes in Nevada. This policy was abandoned and no roads built:
1 Fresno Scraper
1 Oliver Plow No. 1
1 Oliver Plowshare.
1 Melane No. 15 Railway Plow
1 Grader, Royal Highway No. 142
250 feet 16-inch No. 16 Gauge Wrought Iron Pipe.
Pipe is not in first-class condition. Bids can be sent for all or any part of above material and equipment to Plant Chief, Care Bell Telephone Co. of Nevada, Reno, Nevada. P. O. Drawer 8011.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 26th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:
Sonoma County, between Fairville and Easterly Boundary (IV-Son-8-A & B), about nine and three-tenths (9.3) miles in length, to be graded.
Imperial County, between Near East High Line Canal and New County Well (VII-Imp-27-A), about ten and seven-tenths (10.7) miles in length, to be paved with Asphalt concrete.
Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.
No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.
The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.
NEWELL D. DARLINGTON.
CHARLES A. WHITMORE.
GEO. C. MANSFIELD.
California Highway Commission.
AUSTIN B. FLETCHER.
State Highway Engineer.
JOHN F. GALVIN,
Secretary.
Dated August 29, 1921.

BIDS WANTED FOR RE-ROOFING BUILDINGS

INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 24, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., Sept. 12, 1921, for the re-roofing of buildings and structures, as listed, for the United States Public Health Service Hospital, at Fort Bayard, New Mexico. Specifications may be obtained at this office, or from the Superintendent of Construction, at Fort Bayard, N. Mexico, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

NOTE:—Approximately three thousand squares, three ply asbestos roofing.
Copies of specification may also be obtained upon application to the Supervising Superintendent, Room 142 U. S. Post Office Building, Seventh and Mission Streets, San Francisco, California.

BIDS WANTED FOR METAL BOOK STACKS

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 24, 1921.—SEALED PROPOSALS will be received at this office until 3 p. m. October 18, 1921, and then

opened, for metal book stacks installed in place in the United States Post Office, Custom House and Court House at Honolulu, T. H. Drawings and specifications may be obtained from the Superintendent of Construction of the building at Honolulu, Hawaii, from J. W. Roberts, Supervising Superintendent of Construction, Room 403 Post Office and Court House, San Francisca, California, or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

THE OBSERVER

(Continued from Page 4)

George W. Borden has been named acting chief state highway engineer of Nevada. The appointment was made following the resignation of C. C. Cottrell.

The Minequa steel plant of the Colorado Fuel and Iron Co. at Pueblo, Col., has closed down, due to lack of orders, leaving between 5000 and 6000 out of work.

A total of $2,911,514 was expended in new building construction in the city of Berkeley for the fiscal year ending July 30, according to Dewey P. Collington, chief clerk of the city building department. This is an increase of more than 11,000 over the previous year. There were 1421 permits issued, which brought a total of $10,972.60 in fees.

An intensive study of the drainage conditions in the Eel river valley, Humboldt County, is being made by Prof. W. W. Weir of the soil technology department of the University of California. Later he will go into Shasta County to investigate and aid in the drainage problems there. As a result of these studies a larger area will have the benefit of a more sanitary and extensive drainage system.

Sacramento City Council has appointed a civil service commission, consisting of: O. G. Hopkins, W. E. Truesdale and Walter J. Hicks.

F. B. Crutcher, a member of the staff of Edward von Geldern, engineer for Sutter County, has resigned and will enter the Missouri School of Mining.

W. P. Boone of Dinuba and D. Joseph Coyne of Los Angeles have been appointed by Governor Stephens as executive directors, with State Engineer W. F. McClure, to carry out the provisions of the California water storage district act, passed at the last Legislature. Both men are prominent in water storage and irrigation work The water storage act is a substitute for the irrigation board act, declared unconstitutional by the Supreme Court, and is understood to have been drawn specifically to cover activities in the development of the Pine Flat project on Upper Kings river.

E. A. Wheeler, Superintendent of Streets of Bakersfield, has received from the United States Government a patent on a road planer machine which may revolutionize street repair work. Wheeler also invented and patented three years ago a machine for similar purposes, but lacking some of the useful features of his newest invention, which has been serving the city of Bakersfield satisfactorily for more than two years. The new road planer will weigh 4500 pounds and will be drawn by a tractor, motor propelled. It will work, Wheeler says, in a thorough, powerful and effective fashion at a speed of approximately one mile to one and one-half miles an hour.

Directors of the Oakdale and South San Joaquin Irrigation District, Stanislaus County, have instructed their engineers to select a consulting engineer to go over plans for the proposed Melones reservoir and to superintend its construction.

John McMullen, who with George W. Catt founded the San Francisco Bridge Co., died August 29 in South Norwalk, Conn., at the age of 73. McMullen was prominent in the execution of large contracts throughout the West and in the Philippines. Among the other corporations which he organized were the Puget Sound Bridge and Dredging Co., the Atlantic Gulf and Pacific Co. of New York, and the Atlantic and Pacific Gulf Co. of Manila.

A deal involving the transfer of 27,000 acres of timber land in the Nehalem region formerly owned by the Oregon American Lumber Co., to the Central Coke and Coal Co. of Kansas City has been completed. The immediate completion of the Portland, Astoria and Pacific Railway will be one of the results of this transfer.

Offices of the Standard Lumber Co., which have been in Sonora, Tuolumne County, since the establishment of the company have been moved to Standard City where a $50,000 office building has just been completed.

The city Council of Richmond will test claims that the cost of doing street work will be reduced approximately 15 per cent by using the 1915 bond act instead of the 1911 act. The council has ordered the improvement of Second street under the 1915 act, while the improvement of Bay View avenue is to be undertaken under the 1911 act for the purpose of comparison. Bond houses have informed the city that there is no market for 1911 act bonds, and that fewer and higher bids may be expected as a result. Most of the work done heretofore has been under the 1911 act.

The Michigan-California Lumber Co. is planning to abandon its plant at Camino, seven miles from Placerville, for a location on the American river, according to word received from Placerville. James Danaher, assistant manager of the company, declares his company is considering such a move but up to the present time had not secured a suitable location.

SHOULD ENGINEERING SOCIETIES ENTER POLITICS?

The Safety Valve Club of the Chicago Chapter, American Association of Engineers has a two-fold purpose—that implied by its name and that of training engineers in public speaking. The second phase is more than an incident of the first: it is an object in itself.

Peculiarly appropriate was the subject of the engineer and politics—debated at the July 15 meeting of the club. By one side it was contended that the American Association should enter politics actively—firsct to elect public officers and to secure legislative action on the basis of those virtues and merits which are apparent to good citizens in general or to engineers in particular; second to further legislation necessary to the carrying out of desirable engineering work and to secure legislation for the direct benefit of engineer, where such is justified and needed; and third to raise the political status of the association so that its voice may be heard most effectively at whatever future times it may be desirable for it to speak.

On the negative of this question it was argued that while the individual engineer should participate actively in politics, the engineering society should not do so; that the cross-section of a politicians shows him to have a profession or trade whose ideals are diametrically opposed to those of the engineer, and instead of the engineer uplifting politics, politics would drag the engineer down; that for the American Association to go into politics would mean that its ideals would have to be changed, and that this would change the entire organization so that instead of being an association to benefit engineers, it would become a political body.

In addition to the discussion of politics it was pointed out that to the engineer's notorious lack of ability to express himself before an audience, is primarily chargeable his equally notorious lack of ability to sell his services—Engineer and Contracting.

OPPORTUNITY FOR SALE OF AMERICAN MADE PIPE IN ECUADOR

There is an opportunity for the sale of 20 miles of 14-inch castiron pipe and 40 miles of 20-inch castiron pipe in Guayaquil, Ecuador, according to a cablegram from Consul General Frederic W. Goding, at Guayaquil. The transaction will amount to about 1,100,000 sucres (the Equadorian sucre equals $0.486, normal exchange, but $0.28 at present), but cash can not be paid at the present rate of exchange. Further particulars can be obtained from the Bureau of Foreign and Domestic Commerce or its district and cooperative offices by referring to File L. A. 31866.

STREET IMPROVEMENT ACT OF 1911 UPHELD

A decision awaited with interest by contractors, engineers and owners of large property interests throughout the state was handed down recently by the District Court of Appeals in the complete upholding of all provisions of the street improvement act of 1911. The decision was an affirmation of the judgment of foreclosure of certain street assessment liens given by the Contra Costa County Superior Court to G. H. Stokes, as assignee for the contractor who completed certain sewer construction upon property in Richmond belonging to the late Joseph Henry Thomas Watkins, Oakland millionaire.

By the decision of the higher court Stokes will collect but $1900, but more than two hundred of the suits still pending will be settled in accordance with the ruling.

TO START RAILROAD CONSTRUCTION IN NEVADA

Preliminary work on the projected railroad from Rogerson, Idaho, to Wells, Nevada, is to start shortly, according to word received from Twin Falls, Idaho.

The railroad will traverse one of the richest agricultural and mineral regions of Nevada, including the fertile valleys of Northern Elko County, and the Contact mining field, with its large deposits of copper, silver, gold and other metals. At Wells it will connect with the Southern Pacific system.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SACRAMENTO, Cal.—Gadd & Tabbals, 1010½ Eighth St., Sacramento, at $21,067, awarded contract by State Reclamation Board for miscellaneous work to be performed in connection with the enlarging and completing of the east levee of the Sacramento river throughout 4¼ miles of its length fn the vicinity of the Town of Hood. Work consists of clearing of brush from levee, plowing of the crown and slopes of the present levee, removal, moving, reconstruction and installation of all houses, buildings, pumping plants, fences and other structures which will be required by the enlargement of the levee, the construction of all bulkheads, walls, ditches, fences, walks, runways, etc. Bids for dredging, enlarging and constructing 4 miles of levee and for hauling materials taken under advisement.

PLACERVILLE, El Dorado Co., Cal.—Until Sept. 6, 2 p. m., bids will be received by Arthur Koletzke, County Clerk, for furnishing plans and specifications for a reinforced concrete bridge over the south fork of the American River at Chili Bar. Premium to be paid for same is $250. Henry Lahiff, County Surveyor.

SAN RAFAEL, Marin Co., Cal.—Supervisors order bids received for constructing three bridges in Supervisor Sweetser's district. Robt. E. Graham, County Clerk.

OROVILLE, Butte Co., Cal.—Supervisors will pay 60% of cost of constructing concrete bridges over laterals cut by Drainage District No. 833 along the Gridley-Chico and the Biggs-Princeton roads. One bridge will be constructed on each road. H. H. Hume, County Engineer.

OAKLAND, Cal.—Construction of a new ship channel along the western waterfront which will shorten the distance for vessels coming to the Oakland city docks is contemplated, according to City Commissioner Albert E. Carter. The War Department will be asked to approve plans of the city.

SAN RAFAEL, Marin Co., Cal.—Until Sept. 7, 2 p. m., bids will be received by Robt. E. Graham, County Clerk, for constructing two wooden bridges with concrete abutments in Wilson Ave., Road Dist. No. 5, and for removing the present bridges.

Separate bids, same date, for constructing reinforced concrete bridge in county road leading from Tacoloma to Petaluma, known as Red Hill road, 500 ft. south of county line in Marin County. Cert. check 10% payable to Chairman, Board of Supervisors, required with each bid. Chas. S. Richardson, County Engineer.

SAN JOSE, Santa Clara Co., Cal.—Until October 3, 11 a. m., bids will be received by Henry A. Pfister, County Clerk, for constructing reinforced concrete bridge in Hillsdale Ave. over Canvas Creek in supervisorial district No. 4. Irving J. Ryder County Engineer.

OAKDALE, Stanislaus Co., Cal.—Engineers of the Oakdale and South San Joaquin Irrigation Districts have been instructed to select a consulting engineer to go over plans for the proposed Melones reservoir and to take charge of construction. The recommendation will be submitted at a joint meeting of both boards in the immediate future.

HOLLISTER, San Benito Co., Cal.—E. H. Martin & Co., Syndicate Bldg., Oakland, awarded contract by supervisors to construct steel bridge at Junction crossing at $12,941. Kyle & Co., 74 New Montgomery St., San Francisco, at $5400, awarded contract to furnish steel for structure.

PHOENIX, Ariz.—Proceeds of the sale of $100,000 city bonds for control of Cave Creek will be available during September. Plans for the work are being prepared and it is expected construction will be started this fall.

SONORA, Tuolumne Co., Cal.—M. F. Swerer, Jamestown, at $940, awarded contract by Supervisors to construct wood bridge over south fork of Stanislaus river at Italian Bar. H. F. Hanify, Jamestown, only other bidder at $1950. Robert Thom, County Engineer.

SAN DIEGO, Cal.—W. M. Ledbetter, Pacific Elec. Bldg., Los Angeles, submitted the lowest bid at $39,659 for constructing a reinf. concr. bridge over Kitchen Creek on State Highway and lowest bid at $17,188.50 for reinf. concr. bridge over La Posta Creek. The full list of bids follow: Kitchen Creek bridge: W. M. Ledbetter, $39,659; B. B. Boyd, $51,400.21; Mercereau Bridge & Constr. Co., $52,064; Hannah Bros., $54,584; Riley & Peterson, $54,803.05; Edgar T. Wheeler Co., $58,989.46.

La Posta Creek bridge: W. M. Ledbetter, $17,188.50; B. B. Boyd, $22,196.44; Riley & Peterson, $24,954.81; Hannah Bros, $25,037; Lincoln Johnson, $27,789; Edgar T. Wheeler Co., $29,803.92; Chas. G. Frisbie, $29,987.35. Bids referred to County Surveyor Geo. Butler and Supervisor Good.

SALEM, Ore.—Following low bids received by State Highway Commission:

Bridges 786, 787, 788, 189, 790, 710, on Nelson-Huntington section of Old Oregon Trail, in Baker County:

Rajotte, Winters Co.....$13,395

Bridge No. 613 (wood truss or structural steel), on Cottage Grove-Divide section of Pacific Highway in Lane County:

Lane County Court (wood).....$ 9,733

Union Bridge Co. (steel)..... 12,180

Bully Creek Bridge No. 630, on Burrell-Vale section of Central Oregon Highway in Malheur County:

U. S. Bridge Co., Boise.....$13,227

Heppner Bridges 776-7-8, on Heppner-Lexington section of Oregon-Washington Highway in Morrow County:

Tobin, Pearce, Portland.....$16,630

Lexington Bridge No. 611 on Heppner-Gilliam County line section of Oregon Washington Highway in Morrow County:

Tobin & Pearce, Portland.....$5355

Bridge 754 at Stanfield on Echo-Morrow County line section of Old Oregon Trail in Umatilla County;

Parker & Banfield.....$3120

Bridge over Scoggins Creek, on Forest Grove-Gaston section of Tualatin Valley Highway in Washington County:

W. D. Andrews Const. Co., Portland $6527

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IRRIGATION PROJECTS

MODESTO, Stanislaus Co., Cal.—C. S. Abbott, Secretary, Modesto Irrigation District, instructed to call bid for lining with cement two sections of canal; one on lateral 7 and another on the Goldsworthy ditch at the Hackett ranch. Bids will probably be opened Sept. 24. Percy A. Jones, Chief Engineer of district.

YAKIMA, Wash.—George Merrick, President of the Merrick Co., Yakima, Wash., is in the market for the names of large contracting firms who would be interested in bidding on a $25,000,000 irrigation project in Yakima Valley. The work is to include an immense concrete-lined irrigation canal.

KNIGHTSEN, Contra Costa Co., Cal.—Until Sept. 15, 1 p. m., bids will be received by C. H. Noyes, Secretary, Knightsen Irrigation District, for construction of a complete irrigation district, according to plans and specifications of W. F. Woolley, Chief Engineer of district. Earthwork involved in the project: 80,000 lin. ft. main laterals; 177,500 lin. ft. sub-laterals; 107,500 lin. ft. drainage ditches. Work to be completed March 31, 1922.

NOTE: — SPECIFICATIONS FOR THIS PROJECT ON FILE IN OFFICE OF BUILDING AND ENGINEERING NEWS, 560 MISSION STREET, SAN FRANCISCO.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

VALLEJO, Solano Co., Cal. — City Council, Alf. E. Edgcumbe, Clerk, passes res. of int. to improve Capitol st. from Monterey to S. P. R. R. right-of-way by grading, constructing concrete curbs and gutters, paving 37 ft. wide, with asphalt concrete wearing surface 2 in. thick on a 3½-in. asphalt base, constructing storm water inlets, etc.; Imp. Act 1911. T. D. Kilkenny, City Engineer.

LONG BEACH, Los Angeles Co., Cal. —California Willite Constr. Co., 463 I. W. Hellman Bldg., Los Angeles, was awarded contract for paving 18,000 sq. ft. at Polytechnic High School grounds at 14c ft.

SANTA ANA, Orange Co., Cal.—B. R. Ford, Santa Ana, was awarded the contract at $13,285.80 for paving E. 17th St. in 5th road dist. with 5-in. concr. involving about 10,843 sq. yds. pavement. Other bids for concr. paving received by supervisors were: Wells & Bressler, $14,451.07; Geo. R. Curtis, $15,000.64. Steele Finley bid $19,224.05 for asph. concr. pavement. J. L. McBride, County Engineer.

OROVILLE, Butte Co., Cal.—Until Sept. 7, 2 p. m., bids will be received by C. F. Belding, County Clerk, for maintenance of the Bangor-La Porte road, from Salem school house to Yuba county line; separate bids for maintenance of Lumpkin road, from Plumas county line to intersection with Forebstown road, near Hurleton; both covering the fiscal year commencing July 1, 1921, and ending July 1, 1922. Harry H. Hume, County Engineer.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, Clerk, passes resolution of intention (No. 22512) to improve Orion street from 62nd to 64th avenues by constructing concrete curbs, gutters and sidewalks and paving with oil macadam. Imp. Act 1911. Geo. Mattis, City Engineer.

VALLEJO, Solano Co., Cal. — City Council, Alf E. Edgcumbe, clerk, passes res. of int. to improve portions of Capitol St., involving 800 c. yds. grading and excavating; 630 lin. ft. combined curb, gutter and sidewalk; 16,760 sq. ft. asph. concr. pavement base; 16,760 sq. ft. asphalt concr. wearing surface; 87 lin. ft. storm water drain; 1 storm water inlet; 170 lin. ft. concr. curb and gutter; 75 lin. ft. concr. gutter; 40 lin. ft. curb armor. T. D. Kilkenny, City Engineer.

PHOENIX, Ariz.—Until 10 a. m., Aug. 31, bids will be received at office of city clerk for paving the following streets: First St. between Madison and Jefferson and alley in blk. 35, original townsite; Eighth St. between Madison and Washington, Madison between Seventh and Eighth and Jefferson between Seventh and Ninth; Sixth St. between Washington and Van Buren and between point 200 ft. south of Taylor St. and Roosevelt St.; Washington St. between Fifth and 16th Sts. L. B. Hitchcock, City Engineer.

NEWMAN, Stanislaus Co., Cal.—Until Sept. 8, 12 noon, bids will be received by C. A. Labree, Clerk, Newman Grammar School District, Portuguese American Bank, Newman, for grading and paving the north side of Kern St. Cert. check 10% required with each bid. Plans on file in office of town engineer, W. R. Sherman.

MANHATTAN BEACH, Cal. — City Engineer Victor H. Staheli has started proceedings for the improvement of Rosecrans Ave. from the Ocean front to Inglewood-Redondo Blvd. Permission secured from the State Railroad Commission for a grade crossing over the Santa Fe tracks will save the property owners $51,356 over the cost of a roadway under the tracks, according to estimates.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications for improving La Salle St. between Newhall and Phelps; estimated cost, $14,000. Project involves the resetting of 24 lin. ft. granite curbs; constructing 1370 lin. ft. concrete curbs; resetting3 and constructing 3 new brick catchbasins; constructing 105 lin. ft. 10-in. vit. pipe culverts; 1320 sq. ft. artificial stone sidewalks and 38,825 sq. ft. asphaltic concr. pavement.

RICHMOND, Contra Costa Co., Cal.—City Council contemplating the improvement of Bay View Ave. and Second St.; specifications being completed by City Engineer H. D. Chapman. Petitions presented by 40% of property owners seeking resurfacing of Fourth St. taken under consideration.

BAKERSFIELD, Kern Co., Cal.—Due to protests, Council postpones action regarding proposed street improvements in Street District No. 76, which includes the improvement of A, D, E, F and G Sts. and the alley running easterly and westerly through blocks 237, 238 and 239. Action will be taken Sept. 6. R. H. Hubbard, City Engineer.

LOS ANGELES, Cal.—B. Deragno, 1614 Hill St., submitted the lowest bid to Board of Public Works at $105,436 for constructing a cem. pipe sewer in 52nd St. between First Ave. and Seventh Ave. and portions of other streets in 52nd St. sewer dist. Other bids were: Leo Miletich, $113,000; Martin Brkich and R. N. Nikcevich, $121,000; R. A. Wattson and B. Z. Wucetich, $122,000; Tyron & Brain, $132,400; S. Zarubica, $135,000; Adam Dalmatin, $135,200; Thos. Haverty Co., $208,740.

John Artukovich, 614 N. Bunker Hill Ave., submitted lowest bid to Board of Public Works at $2110 for constructing a cem. pipe sewer in Hyperion Ave. between Fountain Ave. and Effie St. John Sutalo submitted only other bid at $2187.

S. Zarubica, 2006 Sixth Ave., submitted lowest bid to Board of Public Works at $61,000 for constructing a cem. pipe sewer in 23rd St. between Vineyard Ave. and Virginia Rd. in 23rd St. sewer dist. Other bids were: B. Deragno, $63,208; Martin Brkich and R. N. Nikcevich, $67,400; Leo Miletich, $68,000; Tryon & Brain, $79,000; Adam Dalmatin, $83,200; John Sutalo, $86,400; Nick Chutuk, $96,790; Thos. Haverty Co., $118,000.

Geo. H. Oswald, 366 E. 58th St., submitted the lowest bid at about $94,089.03 for improving Western Ave. between Adams St. and Santa Barbara Ave., involving 311,877 sq. ft. grading; 311,877 sq. ft. 6-in. concr. paving; 336 ft. curb; 554 sq. ft. sidewalk; 27 sq. ft. concr. gutter; reinf. concr. culverts complete, $1500; 1600 ft. house connection sewers. Other bids were: Wells & Bressler, Santa Ana, $94,462.04; Fairchild-Gilmore-Wilton Co., $101,348.06; Tryon & Brain, $102,326.98.

BAKERSFIELD, Kern Co., Cal.—Valley Construction Co., Bakersfield, at $20,212.73, awarded contract by Council to construct cement concrete curbs, gutters and sidewalks in L St. from 20th to 28th; K St. from 19th to 30th, excepting two blocks to be guttered only.

Fuller & Lavin, Tulare, awarded contract at $895.30 for constructing cement concr. sidewalks and curbs in the City Hall entrance. Weitzel & Larsen, Bakersfield, bid $926.87, and Creasy & Co., Bakersfield, $945.61. R. H. Hubbard, City Engineer.

NAPA, Napa Co., Cal.—City Council, H. H. Thompson, Clerk, passes res. of int. to improve 3rd St. from Coombs to School St. by grading, paving with a 6-in. concr. pavement, approx. 40 ft. wide; constructing a 6-in. vit. pipe sewer, lateral sewers, brick manholes and concr. catch basins. Imp. Act 1911. Protests will be heard Sept. 12. H. A. Harrold, City Engineer.

LONG BEACH, Cal.—The City Council has ordered the paving of Temple Ave. between Seventh and 11th Sts. and proceedings will be started at once.

SAN FRANCISCO, Cal.—City Engineer M. M. O'Shaughnessy completes specifications for improving Army street between DeHaro and Third; estimated cost $65,000. Project involves 6,361 lin. ft. concrete curbs; 146,570 sq. ft. asphaltic concrete pavement; 280 lin. ft. 8-in., 665 lin. ft. 12-in., 1120 lin. ft. 15-in., and 280 lin. ft. 18-in. vit. pipe sewer; 4 vit Y branches for 8-in. pipe, 8 for 12-in., 17 for 15-in. and 4 for 18-in. vit. pipe; 1,000 lin. ft. 10-in. vit. pipe culvert; 9 brick manholes and 29 brick catchbasins.

SAN LEANDRO, Alameda Co., Cal.—City clerk instructed to confer with East Bay Water Co. regarding probable cost for installing an 8-in. main connecting with the large main in Washington Ave. to run down Ward St. to Martinez, along Martinez to Ramon, thence to Alvarado St., along this street to Parrott; along Parrott to Martinez and connecting at Ward, making the entire circuit of the manufacturing district.

SANTA ANA, Orange Co., Cal.—Until 11 a. m., Sept. 6, bids will be received by supervisors of Orange Co. for grading McKinley Ave. in 5th road dist. Certified check or bond for 5%. Plans and spec. may be obtained from County Engineer J. L. McBride on deposit of $3.

MODESTO, Stanislaus Co., Cal.—City Engineer Geo. Freitas completes specifications for paving Magnolia Ave. and has been instructed to prepare plans for paving Needham Ave.

JACKSON, Amador Co., Cal.—City Trustees planning immediate paving of Main St. Informal bid received by board from local contractor, who will do work at approx. 15c sq. ft.

EUREKA, Humboldt Co., Cal.—Until Sept. 6, 2 p. m., bids will be received by Fred M. Kay, County Clerk, for scarifying, grading and laying Road-a-lite asphaltic cement two inches thick on the roadway of the bridge across Eel River at Fernbridge and the Clausen Trestle Bridge, in Road District No. 1. Certified check 10% required with each bid. Plans on file in office of clerk. A. J. Logan, County Engineer.

MARTINEZ, Contra Costa Co., Cal.—Until Sept. 6, 11 a. m., bids will be received by J. H. Wells, County Clerk, for paving Stockton St. in San Pablo in Supervisor District No. 1 Specifications on file in office of clerk. R. R. Arnold, County Engineer.

FRESNO, Fresno Co., Cal.—Supervisors petitioned to construct new road, 60 ft. wide, connecting Silver Creek road with the Panoche road, the greater portion of which lies in San Benito. Chris. P. Jensen, County Road Engineer.

LOS ANGELES, Cal.—Until 10 a. m., Sept. 6, bids will be received by Board of Public Works for improving Norton Ave. betw. Wilshire and Pico by constructing concr. pavement, curb and sidewalk, catch basins, wooden guard rails and house connection sewers and grading and oiling; 1911 Act. Ord. 42,416. Contract will involve about 4217 cu. yds. excav.; 225,006 sq. ft. 6-in. concr. pavement; 2497 sq. ft. grading and oiling; 1802 ft. curb; 1374 sq. ft. sidewalk; 108 ft. wooden guard rail; 786 ft. house connection sewers; catch basins.

BERKELEY, Alameda Co., Cal.—City Council appropriates $18,000 to finance construction of storm sewer in an easterly direction from Woolsey St., along Adeline St., for a distance of 1000 ft., possibly to the junction of Shattuck Ave.

CHICO, Butte Co., Cal.—Bond issue for approximately $470,000 proposed to purchase and improve water system of the Chico Water Supply Co. City Engineer Frank Robinson, if system is purchased recommendations are to include new mains and a 600 foot well for Chico Vecino and new mains in other parts of the city; numerous fire plugs; fire alarm system; and a complete system of meters. It is estimated the fire alarm system will cost $15,000.

OAKLAND, Cal.—Rocca & Caletti, 220 3 St., San Rafael, submit low bid at $31,435 to supervisors for constructing rein. concr. overhead crossing east of Altamont in Murray township. Bids were also submitted by Larsen & Segar, T. Mathewson, West Coast Construction Co., Pacific Construction Co., Union Construction Co., G. Chick, Cahill & Vensano, C. A. Bruce & Son, Frank Bryant and R. Sartoras. Bids taken under advisement. P. A. Havighand, County Surveyor.

GRIDLEY, Butte Co., Cal.—E. H. Meyer, Gridley, has been awarded a contract by the West Liberty School District for installation of air pressure water system, sanitary drinking fountain and plumbing fixtures.

EUREKA, Humboldt Co., Cal.—E. W. Johnson, Eureka, at $28,824.70, awarded contract by City Council for improving Fifth St., involving 51,822 sq. ft. paving, 72,733 sq. ft. grading, sanitary sewer, 27 lineal feet 10-in. catch basin laterals, 570 lin. ft. 24-in. storm sewer, 37 lin. ft. 30-in. storm sewer, 1806 lin. ft. sidewalk curbs, 137 lin. ft. 12 gauge corrugated iron culverts and 60 lin. ft. 14 gauge, 3 manholes, 1 lamphole, 6 catchbasins.

W. C. Elsemore, Eureka, at $7,966.11, awarded contract for improving K St., involving 4,655.52 cu. yds. grading, 17,240 sq. ft. graveling, 208 lin.ft. culverts, 29 lin. ft. culverts, 2,444 lin. ft. curbs, 2,307 lin. ft. gutters, 768 sq. ft. crosswalks. Harry H. Hannah, City Engineer.

SOUTH PASADENA, Los Angeles Co., Cal.—Until 5 p. m., Sept. 12, new bids will be received by City Clerk B. V. Garwood for improving Lyndon St., all bids received Aug. 22 having been rejected. Following are the bids received:

R. T. Shea & Co., Riverside—(a) gutter 23c sq. ft.; (b) sidewalk, 22c sq. ft.; (c) 3-in. oil macad. pavement, 11.7c sq. ft; (d) sewer laterals, $1 ft.; total, $10,448.

Napier & Simpson, San Fernando—(a) 26c, (b) 19c, (c) 14.4c, (d) $1; total, $12,615.

Ducey & Breitenstein, Pasadena—(a) 24c, (b) 26c, (c) 12.4c, (d) $400 lump sum; total, $11,087.

Tracy & O'Keefe, Pasadena—(a) 22c, (b) no bid, (c) 11.3c, (d) $400 lump sum.

Separate bids will be received on same date for improving Buena Vista St., involving 60,000 sq. ft. 3-in. oil macad. pavement and 4200 sq. ft. concr. gutter. 1911 Act. Cert. check or bond for 10%. R. V. Orbison, City Engineer.

REEDLEY, Fresno Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, awarded contract by trustees for constructing approximately 220,000 sq. ft. of cement sidewalks. John S. Bates, Rowell Bldg., Fresno, Engineer.

WATSONVILLE, Santa Cruz Co., Cal.—City Engineer H. B. Kitchen instructed to prepare plans for concrete sidewalks in both sides of Main St. approaching the Pajaro bridge.

SAN DIEGO, Cal.—Fairchild-Gilmore-Wilton Co., L. A. Ry. Bldg., Los Angeles, submitted low bid for improving Granada St. from Upas St. to University Ave., at $38,961.32, involving (a) 143,411.04 sq. ft. 4-in. 1:2:4 cem. concr. with 1-in. asph. concr. top paving; (a) 23¾c; (b) 11,034.48 sq. ft. walk at 22c; (c) 2,132.26 ft. curb at 67c; (d) 13 4-in. sewer laterals at $33 each; (e) 16 6-in. sewer laterals at $38.50 each. Other bids were: Geo. R. Daley, at 25½c; (b) 19c; (c) 60c; (d) 35c; (e) $40; total, $41,040.73. Riley & Peterson, at 29c, (b) 20¾c; (c) 69c; (d) 32c; (e) $36; total, $46,342.11. Bids referred to City Manager F. A. Rhodes.

EUREKA, Humboldt Co., Cal.—Getchell & Neal, Eureka, at $1.99 cu. yd., awarded contract by Council for fur. and del. 1000 cu. yds. of gravel to the city. Other bidders were: W. H. Worswick, Eureka, $2.25, and Mercer-Fraser Co., Eureka, $2.33. Harry Hannah, City Engineer.

NAPA, Napa Co., Cal.—Until Sept. 6, 7:30 p. m., bids will be received by H H. Thompson, City Clerk, for improving Madison St. from First St. northerly by grading, paving with a 2-course asph. macadam 40 ft. wide, constructing concr. curbs and catchbasins. Certified check 10% payable to city required. H. A. Harrold, City Engineer.

SACRAMENTO, Cal.—Until Sept. 6, 2 p. m., bids will be received by Harry W. Hall, County Clerk, for grading portions of the Sheldon-Wilton road. Certified check 10% payable to chairman of board of supervisors required with each bid. Plans may be had from office of County Engineer Drury Butler.

BURBANK, Los Angeles Co., Cal.—Fourteen bids were received by the City Trustees for constructing a city sewer system and sewage disposal plant and they are being tabulated by the engineers, Koebig & Koebig of Los Angeles. Because of contractors submitting bids on a different basis some time will be required to figure out the successful bidders. The bidders were: United Concrete Pipe Co. of Ventura; King City Pipe Co. of King City; Mloevich, Los Angeles; Farley & Farley, Burbank; Fowler & Myers, San Fernando; Wattson & Wattson, Los Angeles; Fleming Constr. Co., Pomona; Pernel Barnett, Orange; Peter L. Ferry, Glendale; Emil Pantico, Los Angeles; John Sutalo, Los Angeles; R. C. Reynolds, Los Angeles and S. M. Kerns, Long Beach. Bonds to amount of $140,000 have been voted but no bids for purchase at par received.

SANTA BARBARA, Cal. — Samuel Hunter and Chas. T. Richardson, 525 E. Haley St., Santa Barbara, submitted the only bid at $485,535.55 and were awarded the contract for paving 23 miles of highway in the Lompoc permanent road division with 3½-in. asph. concr. base and 1½-in. surface. The contract comprises Secs. 4B, 4A1, 4A2-3, and that portion of Sec. 2 between the west limits of town of Lompoc and the west end of Sec. 3 (from the town of Lompoc to the State Highway at Buellton). Owen H. O'Neill, County Surveyor. The entire project comprises 28 miles of road known as the Surf-Lompoc road, estimated to cost $604,000. Bonds to the amount of $400,000 were voted by the district and $100,000 was appropriated by the county. The bonds were voted two years ago, since which time construction costs have increased.

CALISTOGA, Napa Co., Cal.—O. W. Erickson, Calistoga, at $2,187, awarded contract by trustees to construct an 8-in. ironstone pipe sewer in portions of Lake St. and Railroad Ave. and a 6-in. ironstone pipe sewer in portions of Myrtle St., including the construction of two cement concr. flushing holes.

Other bidders were: Hickey & Harmon, San Francisco, $2,510.50; T. E. Clinch, Richmond, $2,221.

LONG BEACH, Cal.—The following bids were received by City Council for grading and paving Liberty Ct. with one course concr.: Carlos Wilkins, 927 Linden Ave., 19c sq. ft.; Ed C. Woodruff, 2502 E. 14th St., 19c sq. ft.; D. P. Durham, 2825 E. Anaheim St., 19.9c sq. ft.; E. L. Garretson & Son, Santa Monica, 23c sq. ft.

CALIFORNIA. — Following are approximate quantities of materials involved in projects for which State Highway Commission will open bids on Sept. 6:

Tuolumne County, between westerly boundary and one mile north of Keystone (III-Tuo-13-A), about nine and four-tenths (9.4) miles in length to be paved with Portland cement concr. Project involves 11,500 cu. yds. Class A Portland cement concrete (pavement). Commission will furnish reinforcing steel, cement and a portion of the sand and coarse aggregate for concrete in stockpiles along the work.

Tuolumne County, between Jamestown and Sonora (III-Tuo-13-B) about three and five-tenths (3.5) miles in length to be paved with Portland cement concrete. Project involves 9700 cu. yds. excavation without classification; 4560 cu. yds. Class A Portland cement concrete (pavement); 25 cu. yds. Class A Portland cement concrete (culverts and monuments); 158 lin. ft. 12-in., 6 lin. ft. 18-in., 50 lin. ft. 36-in. corrugated metal pipe; 2000 lin ft. guard rail; 220 monuments. Commission will furnish reinforcing steel, corrugated metal pipe and cement.

WATTS, Los Angeles Co., Cal.—The City Trustees have instructed the City Attorney to start the necessary proceedings under the Imp. Act of 1911 for the construction of a complete sewer system for Watts. This action was in response to a petition of business men. The proposed bond issue of $125,000 for an outfall sewer and sewage treatment plant was defeated at the special election in July.

SOUTH PASADENA, Los Angeles Co., Cal.—Until 5 p. m., Sept. 12, bids will be received by City Manager R. V. Orbison for constructing portion of a sewer system in alley north of Huntington Dr. from Fremont Ave. west, involving 1100 ft. 8-in. vit. pipe including 24 8-in. wyes, 4 manholes, 2 flush tanks and remodeling flush tank into manhole; cash job. Plans, profiles and spec. may be seen at office of city engineer. Cert. check or bond for 10%.

SOUTH PASADENA, Los Angeles Co., Cal.—All bids received Aug. 22 for installing a water distributing system in Orange Grove Ave. were rejected and the city manager was instructed to do the work by force account. The bids were: Floyd S. Lee, $1343; Thos. Haverty Co., $1740. The work will require 626 ft. 4-in. cast iron main, 300 ft. ¾-in. service pipe, one 4-in gate valve and two 4x4-in. Ts

VENICE, Los Angeles Co., Cal.—Koebig & Koebig, consulting engineers, Title-Insurance Bldg., Los Angeles, have been retained by the City Trustees to make a survey for a proposed sewage disposal system for Venice. A bond issue will be submitted as soon as preliminary plans and estimates can be prepared.

BERKELEY, Alameda Co., Cal.—The Council appropriates $18,000 to finance construction of approximately 1100 ft. of reinforced concrete sewer 3x4 ft. by 6 in., 2 manholes and 4 catchbasins in Woolsey street. C. L. Huggins, City Engineer.

OAKDALE, Stanislaus Co., Cal.—Committee appointed by City Trustees to investigate various types of street paving has submitted its report and recommends a 5-in. concr. pavement.

PHOENIX, Ariz.—A million dollar paving program is being carried out in Phoenix this year. A little more than half the work is now under way or completed. Work will be started soon on the following projects: West Van Buren St., Seventh to Fifteenth Ave., eight blocks, $19,027; Third St., Grant to Jefferson Sts., six blocks, $45,451.25; Portland St., Central Ave. to Seventh St., seven blocks, $40,426.75; and McDowell Road, Central to Eleventh Aves. 11 blocks, $24,683.59; total yardage, 86,677 sq. yds. Notices have been posted for the following projects, the total estimated cost of which is about $407,000: Van Buren St., Twelfth to Sixteenth, 4 blocks, 5,520 sq. yds.; Portland St., Seventh to Eleventh, 4 blocks, 7,403 sq. yds.; Ninth St., Van Buren to Pierce, 5 blocks, 5,762 sq. yds.; Washington to Van Buren and Taylor to Roosevelt, 8 blocks, 11,387 sq. yds.; First St., Madison to Jefferson, 2 blocks, 2,896 sq. yds.; Eighth St., Madison to Washington, Seventh to Eighth and Jefferson St., Seventh to Ninth, 9 blocks, 10,167 sq. yds. Two big jobs are included among the contemplated paving projects: East Washington St., from Fifth to Sixteenth, 11 blocks; and Jefferson St. from Seventh to Eighteenth, 11 blocks.

FRESNO, Fresno Co., Cal.—Until Sept. 8, 2 p. m., bids will be received by D. M. Barnwell, County Clerk, for 5000 tons of gravel or crushed rock, graded in size from 2½ in. down to fine sand, 3000 tons to be delivered at Dos Palos, 1000 tons delivered at San Joaquin, and 1000 tons delivered at Tranquility. Deliveries to commence Sept. 20, and delivered thereafter at the rate of approximately 200 tons a day. Cert. check 10% payable to county required. Specifications on file in office of clerk. Chris. P. Jensen, County Surveyor.

OAKLAND, Cal.—Until Sept. 1, 12 noon, bids will be received by L. W. Cummings, City Clerk, for improving portions of 28th Ave., by grading, constructing concrete curb and gutters and paving with oil macadam. Imp. Act 1911. Certified check 10% payable to city required. Geo. Mattis, City Engineer.

SANA ANA, Orange Co., Cal.—Until 2 p. m., Sept. 13, bids will be received by supervisors of Orange Co. for grading and paving with asph. concr. certain streets in Yorba Linda in 3rd road dist.; also for construction of concr. creek crossings on Carbon Canyon road in 3rd road dist. Until 11 a. m., same date, bids will be received for resurfacing with asph. concr. La Mirada Ave.; Secs. 2 and 3, Brea-Olinda road; Orangethorpe Ave., W. Broadway, Grand Ave. and Euclid Ave. in 3rd road dist. Plans and spec. may be obtained from County Engineer J. L. McBride on deposit of $3 for each set. Certified check or bond for 5%.

SAN FRANCISCO.—Board of Public Works rejects bid of Clarence Eaton at $9829 for improving Folsom St. bet. Ogden and Tompkins. Project involves: 675 cu. yds. cut; 520 cu. yds. fill; 920 lin. ft. concrete curb; 4000 sq. ft. art. stone sidewalks; 6 brick catchbasins; 150 lin. ft. 10-in. culverts; 3920 sq. ft. asphaltic concrete pavement and 11,800 sq. ft. concrete pavement. M. M. O'Shaughnessy, City Engineer.

LONG BEACH, Los Angeles Co., Cal.—Two plans for the first unit of Long Beach's proposed new storm sewer have been prepared by the city engineering department. One locates it in Locust Ave. and the other in Pine Ave., and the latter may be adopted, according to R. D. Van Alstine, Deputy City Engineer.

FRESNO, Fresno Co., Cal.—Until 2 p. m., Sept. 12, bids will be received by D. M. Barnwell, County Clerk, for following county highway work: Route 1, Sec. C (part 1), about 2500 cu. yds. grading and 32,200 tons gravel surfacing. Route 1, Sec. C (part 2), about 500 cu. yds. grading and 28,000 tins gravel surfacing. Route 1, Sec. C (part 3), about 1000 cu. yds. grading and 28,100 tons gravel surfacing. Certified check for 10%. Plans and specifications may be obtained from Chris Jensen, County Surveyor, Cory Bldg., at cost of blueprints.

PHOENIX, Ariz.—White & Miller, 127 N St., Andrews Pl., Los Angeles, were awarded the contract at $74,374.08 for paving the Phoenix-Tempe highway from Phoenix 3 miles east with 3-in. asph. concr. base and 2-in. bitulithic surface. Thomas Maddock, State Engineer.

SALINAS, Monterey Co., Cal.—Until Sept. 6, 2 p. m., bids will be received by T. P. Joy, County Clerk, for grading and graveling portions of Vineyard Canyon road, Road District No. 4. Specifications on file in office of clerk. Howard Cozzens, County Engineer.

SAN DIEGO, Cal.—G. R. Daley, 440 McNeece Bldg., San Diego, was awarded the contract at $16,972.86 for paving Girard St. in La Jolla with concr.; also the contract at $4282.21 for grading and constructing curb, sidewalk, gutter and retaining wall on portions of Pennsylvania Ave. and Eagle St. Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., Los Angeles, was awarded the contract at $5024.49 for grading and paving Ray St. with asphalt.

MODESTO, Stanislaus Co., Cal.—Until Sept. 14, 8 p. m., bids will be received by L. A. Love, City Clerk, for constructing approximately 1008.35 ft. 6-in. vit. pipe sewer in portions of Franklin St., including the construction of brick manholes, lampholes and Ws. Imp. Act 1911. Cert. Check 10% payable to city required with each bid. Geo. Freitas, City Engineer.

RIPLEY, Riverside Co., Cal.—Petitions for construction of about 18 miles of graveled road in the Ripley section, Palo Verde Valley, are being circulated.

RIVERSIDE, Cal.—County Engineer A. C. Fulmor announces the work of graveling the highway between Palm Springs and Indian Wells will be started at once. An appropriation of $56,000 for constructing the river crossing approach between Blythe and Ehrenberg will be available about Oct. 1.

LOS ANGELES, Cal.—Wm. Liddington, 420 E. 60th St., awarded contract at $7242.66 for improving Beachwood Dr., involving 17,708 sq. ft. grading; 17,708 sq. ft. protected concr. paving; 874.2 ft. curb; 4371 sq. ft. sidewalk, and sewer at $895. Other bids received by Board of Public Works were: Fairchild-Gilmore-Wilson Co., $8935.41; R. D. Baucus, $10,469.21; engineer's estimate, $7706.07.

Wm. Liddington, 420 E. 60th St., awarded contract at $2000.12 for improving first alley west of Normandie between Council and First, involving 6452 sq. ft. grading and 6452 sq. ft. concr. paving. Other bids received by Board of Public Works were: Fairchild-Gilmore-Wilton Co., $2258.20; John Sutalo, $2287.24; engineer's estimate, $1935.60.

Geo. R. Curtis, 2440 E. 26th St., awarded contract at $15,613.78 for improving Second St. between Serrano Ave. and St. Andrew's Pl., involving 45,666 sq. ft. grading; 45,666 sq. ft. asph. paving; 1830 sq. ft. concr. gutter. Other bids received by Board of Public Works were: Fairchild-Gilmore-Wilton Co., $15,983.94; Geo. H. Oswald, $17,080,26; engineer's estimate, $14,497.34.

SAN LEANDRO, Alameda Co., Cal.—Hutchinson Co., 444-17th St., Oakland, submits only bid to trustees for furnishing crushed rock for street improvements at $1.65 a ton, f. o. b. San Leandro. P. H. Hoare was low bidder to furnish crude oil at $3.99 a barrel in truck loads and $4.25 otherwise. Kopperhead & Heafey bid $4.35 per barrel.

PHOENIX, Ariz.—Following are the bids received by State Engineer Thos. Maddock for paving through the town of Winslow: Twohy Bros. Co., $59,404.27 for concr. pavement, payment in cash; Warren Bros. Co., $67,925.95 for bitulithic pavement, payment $22,003.53 cash and remainder in st. imp. bonds; Dan La Roe, $46,559.55 for concr. pavement, payment cash and contr. to furnish cem.; $52,376.05, contr. to furnish cem.; Roger Bros., Snowflake, concr. pave., $58,730.25; Pacific Constr. Co., Topeka pave., $68,941.73, payment $22,003.53 cash and remainder in st. imp. bonds. The contract involves 12,047 sq. yds. paving. Bids taken under advisement.

SUSANVILLE, Lassen Co., Cal.—Thos. F. Geary, 357-12th St., Oakland, awarded contract by trustees for constructing 10-in. vit. pipe sewer in alleys of blks. 2, 3, 4, 5, 10, 11, 12 and 13, including construction of wye branches, brick manholes, etc., and by placing a 4-in. rolled gravel pavement.

Unit bid is: Grading, $1.45 cu. yd.; graveling, $0.09 sq. ft.; sewer pipe, $2.95 lin. ft.; Y branches, $5.00 ea.; manholes, $190 ea.; total bid, $17,498.05. Other bids were:

Daniel O'Day Co., San Francisco, $20,833; Hickey & Harmon, San Francisco, $18,510.09; Griebe & Wier, $28,529.75. C. C. Kennedy, 58 Sutter St., San Francisco, Town Engineer.

VENICE, Los Angeles Co., Cal.—The city trustees will appoint an expert engineer to study the city's sewage disposal problem as a result of the beach about the Center St. pier being closed to bathers.

MARTINEZ, Contra Costa Co., Cal.—H. Willmes, John Balarimo and C. Bollario, at $18,555 awarded contract by Supervisors for placing a wearing surface and shoulders on portions of Divisions Nos. 5 and 6 of county highway system bet. towns of Walnut Creek and Bay Point. Other bids were Kopperud & Heafey, Oakland, $24,330; Hutchinson Co., $25,127. R. R. Arnold, County Engineer

VENTURA, Ventura Co., Cal.—County Engineer Chas. Petit's budget for road work for the coming fiscal years submitted to the supervisors provides for following appropriations: Dennison road, $38,000; Santa Clara Ave., $40,000; courthouse paving, $12,000; Camarillo and Janss road, $50,000.

MARTINEZ, Contra Costa Co., Cal.—County Engineer R. R. Arnold seeks $154,900 for maintaining highway system, segregated as follows: Bond road maintenance, 88.58 miles, $24,500; general fund roads maintenance, 43.16 miles, $10,000; shoulders on Division 18, $30,400; funds to finish Divisions 19 and 20, $90,000. Arnold states that Division No. 3 south of Byron would need two miles of surfacing and four miles of shoulder to cost approximately $20,000. In Divisions 5, 6, 11 and 12, between Walnut Creek and Pittsburg, where two miles of surfacing and four miles of shouldering were also needed, he would spend $20,000. For road maintenance, equipment, consisting of roller and oiling plant, $10,000 is needed.

RICHMOND, Contra Costa Co., Cal.—City Engineer H. D. Chapman instructed to prepare plans for improving 2nd street; Council rescinds proceedings for improving McBryde avenue.

MARTINEZ, Contra Costa Co., Cal.—Until Sept. 6, 8 p. m., bids will be received by C. E. Daley, Town Clerk, for improving portions of Escobar St. by grading, paving with an asphaltic concrete base 4 in. thick with a Warrenite Bitulithic wearing surface 2 in. thick, constructing 8-in. corrugated pipe culverts; cement sidewalks, etc. Imp. Act 1911. Cert. check 10% payable to town required. Plans on file in office of clerk. W. S. Farley, Town Engineer.

SAN LUIS OBISPO, Cal.—Until Sept. 7, 2 p. m., bids will be received by F. J. Rodrigues, County Clerk, for grading Section C-2 of the San Luis and Cambria road. Warren Burch, County Engineer.

FRESNO, Fresno Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, at $73,148, awarded contract by City Council for improving Ventura Ave. from P to G Sts., by grading, constructing concr. curbs and gutters, corrugated culverts and paving with asphalt. Only other bidder was Thompson Bros., $73,748.

Thompson Bros., 1514 H St., Fresno, at $69,654, awarded contract to improve L St. from Kern to San Diego by grading, constructing concr. curbs and gutters, corrugated culverts and paving with asphalt. Only other bidder, Federal Co., $76,990.

Thompson Bros., at $13,009, awarded contract to improve Lucerne Lane from University Ave. to Van Ness Blvd., by grading, constructing concr. curbs, gutters and sidewalks, corrugated iron culverts and paving with asphalt. Federal Construction Co. bid $16,780.

Thompson Bros., at $14,558, awarded contract for similar improvements in Huntington Blvd. from Angus to First St.; only other bidder, Federal Construction Co. at $14,736. Wm. Stranahan, Commissioner of Public Works.

OCEANSIDE, San Diego Co., Cal.—New bids will probably be asked for paving about one mile of street in Oceanside. Wells & Bressler of Santa Ana submitted the only bid for this work, Aug. 24, at $92,235.88 for concr. pavement and it was rejected as too high. Their unit bids were 14,397 cu. yds. excav. at $1 yd.; 7770 cu. yds. embank. at 25c yd.; 50,945 sq. ft. 5-in. concr. pavement, 1:2:4 mix. at 28c ft.; 75,042 sq. ft. 6-in. concr. pavement at 34c ft.; 11 culverts complete at $3520; 347½ lin. ft. stone wall at $1 ft. N. K. Carpenter, San Diego, City Engineer.

CARSON CITY, Nev.—Geo. W. Borden has been appointed Acting Chief State Engineer to fill the vacancy caused through the resignation of C. C. Cottrell. The appointment was made by the State Highway Commission.

MARTINEZ, Contra Costa Co., Cal.—Until Sept. 19 bids will be received by J. H. Wells, County Clerk, for improving concrete highway from Byron south to county line. Work will consist of constructing 2-ft. oil macadam shoulder on each side of road for about 2 miles and a 1½-in. asphaltic topping placed over entire road; estimated cost, $20,000. R. R. Arnold, County Engineer.

LOS ANGELES, Cal.—S. Zarubica, 3006 Sixth Ave., was awarded the contract at $61,000 to construct a cement pipe sewer in 23rd St. sewer dist.; B. Deragno, 1614 S. Hill St., was awarded the contract at $105,436 to construct a cem. pipe sewer in 52nd St. sewer dist., and John Artukovich, 614 N. Bunker Hill Ave., the contract at $2110 to construct cem. pipe sewer in Hyperion Ave.

LOS ANGELES, Cal.—Geo. H. Oswald, 366 E. 58th St., was awarded the contract at $93,947.13 for improving Western Ave. betw. Adams St. and Santa Barbara Ave., involving 311,877 sq. ft. grading at 5c ft.; 311,877 sq. ft. concr. paving at 24c ft.; 366 ft. curb at 70c ft.; 544 sq. ft. sidewalk at 20c ft.; 27 sq. ft. concr. gutter at 27c ft.; 1600 ft. house connection sewers at $1 ft. and reinf. concr. culverts at $1500. Other bids were: Wells & Bressler, $94,296.49; Fairchild - Gilmore - Wilton Co., $101,206.66; Tryon & Brain, $102,090.48; engineer's estimate, $100,120.57.

HEMET, Riverside Co., Cal.—City Engineer Stetson has submitted to Council tentative plans for a new water system. Drilling of wells in the Valle Vista section and construction of reservoirs is favored. It is estimated that a bond issue of $100,000 will be required.

BENICIA, Solano Co., Cal. — Until Sept. 6, 8 p. m., bids will be received by J. C. McAravy, City Clerk, for repaving First St. from J to north boundary line of S. P. right-of-way. Imp. Bond Act 1915. Cert. check 10% payable to city required with each bid. Plans on file in office of clerk.

MODESTO, Stanislaus Co., Cal.—City Council, L. A. Love, Clerk, passes res. of int. to improve Ninth St. from B to E Sts. by grading, paving with a 4-in. cem. concr. base and a 1½-in. bitulithic wearing surface, constructing concr. curbs and gutters. Imp. Act. 1911. Protest will be heard Sept. 14. Geo. Freitas, City Engineer.

OROVILLE, Butte Co., Cal.—Until Sept. 8, 1:30 p. m., bids will be received by C. F. Belding, County Clerk, for paving portions of Marysville Rd. in the city of Oroville, fronting county property. Cert. check 10% required with each bid. Specifications may be had from County Engineer H. H. Hume.

PHOENIX, Ariz. — Contracts for street paving were awarded as follows: R. L. Ballenger, Fillmore St. bet. 5th and 7th Aves., $8720.47; Pacific Constr. Co., alley in blk. 83, original townsite, $2833.04; Warren Bros. Co., Woodland Ave. betw. 7th and 18th Aves, $86,536.54.

MACHINERY

SEPTIC TANK, PUMP AND ENGINE BIDS WANTED

VISALIA, Tulare Co., Co.—Until Sept. 10, 1 p. m., bids will be received by Fred Chatten, Clerk, Elbow School District, Route B. Box 88, Visalia, for constructing a tank house and tank, septic tank, and for the installation of an engine and pump. Cert. check 5% required with each bid. Specifications may be had from clerk.

PASADENA, Los Angeles Co., Cal.—The American Cast Iron Pipe Co. was awarded a contract at $8580 for furnishing the city a lot of cast iron pipe. The U. S. Cast Iron Pipe & Foundry Co. bid $8689.12; R. D. Wood & Co., $10,729.12.

RYDE, Sacramento Co., Cal.—Until Sept. 12, 2 p. m., bids will be received by W. E. Kesner, Clerk, Beaver Union High School District, for fur. and del. a 20-passenger school bus. Forms for bidding may be had from clerk at Ryde.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, Clerk, appropriates $35,000 for financing Lake Merritt developments; purchase of electric power, power cable, lumber, piles, tools, miscellaneous iron and steel castings, shafting, machine parts, repairs to equipment, rental of motors for moving barge and supplies necessary for operation and maintenance of a dredge.

STOCKTON, San Joaquin Co., Cal.—Robert Beyrle, Stockton, at $3870, awarded contract by Council for constructing a pump station on Buena Vista Ave. at Smith's Canal. Other bidders were: Hild Electric Mfg. Co., $5517; J. R. Farias, $4250; Guy Hyde Chick, $4789; James R. Johnson, $4674.58; Frederickson Bros., $4906; A. R. McCarty, $4350. W. B. Hogan, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—Until Sept. 19, 11 a. m., bids will be received by Henry A. Pfister, County Clerk, for fur. and del. one engine lathe, 18-in. by 12-ft. bed, standard 3-step cone, double back-geared, quick change, screw-cutting engine lathe, complete with counter shaft and regular equipment. Certified check 10% payable to clerk required with each bid. Specifications on file in office of clerk.

SAN JOSE, Santa Clara Co., Cal.—Edward R. Bacon & Co., 51 Minna St., San Francisco, at $4725, awarded contract by supervisors for fur. and del. a concrete mixer. Irving J. Ryder, County Engineer.

SAN JOSE, Santa Clara Co., Cal.—Artana-Geoffroy Co., at $5297.50, awarded contract by supervisors for fur. and del. two Fageol trucks for use on county highways. Irving J. Ryder, County Engineer.

SAN JOSE, Santa Clara Co., Cal.—Picchetti & Demichelli, at $1695.25, awarded contract by supervisors for fur. and del. a trailer for use of County Engineer Irving J. Ryder.

HUNTINGTON PARK, Los Angeles Co., Cal.—Until 8 p. m., Sept. 8, bids will be received by Huntington Park Union High School Board for one screw cutting engine lathe, motor and attachments; spec. on file at office of high school. H. D. Turner, Clerk.

SAN FRANCISCO.—Until Sept. 8, 11 a. m., under Order No. 3269, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. f. o. b. Marysville, Yuba County: 50 rolls wire netting, 3-in. x 6-in. chicken wire mesh weave; each roll 72 in. by 200 ft., made of No. 14 galv. wire.

BERKELEY, Alameda Co., Cal.—Until Sept. 2, 10 a. m., bids will be received by E. M. Hann, City Clerk, for fur. and del. an automobile of the roadster type for use of the Berkeley Municipal Market. Cert. check 10% required with each bid.

MONROVIA, Los Angeles Co., Cal.—Until 8 p. m., Sept. 1, bids will be received by Monrovia High School Board for one Monarch 6x18 lathe, a 3-horsepower motor and a 21-in. Richards plain drill press. Mrs. Geo. O. Monroe, 219 N. Myrtle Ave., Clerk.

TAFT, Kern Co., Cal.—The following bids were received by City Trustees for pipe for extension of city sewer system: Tropico Potteries, Inc., vit. pipe 8-in., 45½c ft.; 12-in. 71½c ft.; 15-in., 99½c ft.; single wyes, $1.86¼; double wyes, $2.60. Gladding, McBean & Co., vit. pipe, 8-in., 47c; 12-in., 84c; 15-in., $1.40; single wyes, $1.88; double wyes, $2.82. California Glazed Cem. Pipe Co., cem. pipe, 8-in., 50.7c; 12-in., 84c; 15-in., $1.296; single wyes, $1.30; double wyes, $1.75. Bids taken under advisement; award of contract conditional on sale of $52,000 bonds voted for project.

VISALIA, Tulare Co., Cal.—Until September 15, 10 a. m., bids will be received by Geo. R. Prestidge, County Clerk, for constructing concrete boiler house, fuel oil tank, concrete trenches, installing boilers, incinerator, oil burners, heater and piping at the Kings-Tulare Counties Joint Tubercular Hospital at Springville. Cert. check 10% payable to Chairman of Board of Supervisors required with each bid. Plans may be had from office of County Clerk on deposit of $25, returnable.

INGLEWOOD, Los Angeles Co., Cal.—Until 8 p. m., Sept. 12, bids will be received by City Clerk Ruth A. Cory for a 1-ton gasoline motor truck equipped with express body, cab, etc.

MADERA, Madera Co., Cal.—Until Sept. 12, 5 p. m., bids will be received by Lillian W. Rhodes, City Clerk, for drilling well; (1) to drill, case and test a well; (2) to drill, case and test a well of similar type, the bidder to guarantee a yield of 1200-gals. per minute. Under (2) bidder must state method of drilling proposed and thickness and size of casing. Cert check $200 required with each bid.

LOS ANGELES, Cal.—Chief Engineer Scattergood of the Power Bureau has been authorized by Board of Public Service to submit plans for a new power plant at the foot of the cascades near San Fernando Rd. The new plant will generate 28,000,000 killowatt hours energy annually and will cost about $83,000.

SAN JOSE, Santa Clara Co., Cal.—Until Sept. 19, 11 a. m., bids will be received by Henry A. Pfister, County Clerk, for two or more loadometers for weighing motor trucks carrying excess loads on county highways. Certified check 10% payable to clerk required with each bid. Specifications on file in office of clerk.

FAIRFIELD, Solano Co., Cal.—Solano County Supervisors agree to share part of cost with Sacramento County to construct ferry boat for Ryer Island.

BUSINESS OPPORTUNITIES

E. M. Beckham & Co., Myrtle Point, Ore., is seeking a market for Port Orford cedar lumber.

Woodward Manufacturing Company, Austin, Texas, manufacturers of commercial auto bodies, desire to get in touch with local concerns to act as distributors for their complete line of motor truck bodies, bus bodies and hearses.

STATE WATER COMMISSION

SAN FRANCISCO.—Applications for permits to appropriate water were filed with the State Water Commission, New Call Bldg., during the month of July, as follows:

Application No. 2417 (Butte Co.), M. J. Howells, Oroville, Cal., for 12,000 ac. ft. per annum from Dry Creek water shed, tributary of Butte Creek, Butte County, for irrigation of 11,000 acres of land and domestic use. Diversion by means of ditch 5½ miles long. Estimated cost, $175,000.

Application No. 2419 (San Bernardino Co.), Coachella Valley Co. Water District, Coachella, Cal. For 30 cu. ft. ft. per sec. from Whitewater River, San Bernardino County, for generation of power. Amount of power to be developed, 2500 T.H.P. Diversion by means of conduit 3 miles long. Estimated cost, $125,000.

Application No. 2420 (San Bernardino Co.), Coachella Valley Co. Water District, Coachella, Cal. For 20 cu. ft. per sec. from Whitewater River, San Bernardino County, for generation of power. Amount of power to be developed, 1800 T.H.P. Diversion by means of conduit 3 miles long. Estimated cost, $100,000.

Application No. 2421 (San Bernardino Co.) Coachella Valley Co. Water District, CoachellaC ,al. For 30 cu. ft. per sec. from Whitewater River, San Bernardino County, for generation of power. Amount of power to be developed, 3070 T.H.P. Diversion by means of conduit 3 miles long. Estimated cost, $160,000.

Application No. 2422 (Riverside Co.) Coachella Valley Co. Water District, Coachella, Cal. For 50 cu. ft. per sec. from Whitewater River, Riverside County, for generation of power. Amount of power to be developed, 4550 T.H.P. Diversion by means of conduit 8 miles long. Estimated cost, $273,000.

Application No. 2423 (Riverside Co.) Coachella Valley Co. Water District, Coachella, Cal. For 70 cu. ft. per sec. from Whitewater River, Riverside County, for generation of power. Amount of power to be developed, 4780 T.H.P. Diversion by means of conduit 5 miles long. Estimated cost, $286,000.

Application No. 2424 (Riverside Co.) Coachella Valley Co. Water District, Coachella, Cal. For 90 cu. ft. per sec. from Whitewater River, Riverside County, for generation of power. Amount of power to be developed, 4100 T.H.P. Diversion by means of conduit 3 miles long. Estimated cost, $200,000.

Application No. 2425 (Riverside Co.) Coachella Valley Co. Water District, Coachella, Cal. For 60 cu. ft. from Snow Creek and its tributaries (50 cu. ft. from Middle Fork and 10 cu. ft. from West Fork), Riverside County, tributary of San Gorgonia River, for generation of power. Amount of power to be developed, 5700 T.H.P. Diversion by means of conduit 4 miles long. Estimated cost, $250,000.

Application No. 2426 (Riverside Co.) Coachella Valley Co. Water District, Coachella, Cal. For 70 cu. ft. per sec. from Snow Creek and its tributaries, Riverside County, tributary of San Gorgonia River for generation of power. Amount of power to be developed, 7160 T.H.P. Diversion by means of conduit.

Application No. 2427 (Riverside Co.) Coachella Valley Co. Water District, Coachella, Cal. For 30 cu. ft. per sec. from Middle Fork San Jacinto River and Strawberry Creek, Riverside County, for generation of power. Amount of power to be developed, 3410 T.H.P. Diversion by means of conduit 5 miles long. Estimated cost, $170,000.

Application No. 2428 (Riverside Co.) Coachella Valley Co. Water District, Coachella Cal. For 60 cu. ft. per sec, from North Fork San Jacinto River, Riverside County, for generation of power. Amount of power to be developed, 3410 T.H.P. Diversion by means of conduit 2½ miles long. Estimated cost, $170,000.

Application No. 2432 (Mono Co.) Sierra Land and Water Co., a corporation, Los Angeles, Cal. For 500 cu. ft. per sec., and 45,000 ac. ft. per annum, for irrigation and domestic use, from Rush Creek and tributaries, Mono County. Diversion by means of canal 5.83 miles long. Estimated cost, $652,208.

Application No. 2439 (Riverside Co.) Coachella Valley Co. Water District, Coachella, Cal. For 30 cu. ft. per sec. from North Fork or North Fork of San Jacinto River, Riverside County, for power purposes. Amount of power to be developed, 3410 T.H.P. Diversion by means of conduit 2½ miles long. Estimated cost, $175,000.

Application No. 2440 (Riverside Co.) Coachella Valley Co. Water District, Coachella, Cal. For 40 cu. ft. per sec. from North Fork of San Jacinto River and tributaries, Riverside County, for power purposes. Amount of power to be developed, 8018 T.H.P. Diversion by means of conduit 8 miles long. Estimated cost, $400,000.

Application No. 2441 (Riverside Co.) Coachella Valley Co. Water District, Coachella, Cal. For 20 cu. ft. per sec. from Strawberry Creek, tributary of San Jacinto Creek, Riverside County, for power purposes. Amount of power to be developed, 2273 T.H.P. Diversion by means of conduit 2 miles long. Estimated cost, $125,000.

Application No. 2452 (El Dorado Co.) M. C. Seagrave, San Francisco, Cal. For 100 cu. ft. per sec. from North Fork Cosumnes River, El Dorado County, tributary of Mokelumne River, for irrigation of 1500 acres. Diversion by means of canal 15 miles long. Estimated cost, $250,000.

Application No. 2060 (Tuolumne Co.) Oakdale Irrigation District and So. San Joaquin Irrigation District of Oakdale and Manteca, respectively, for 2000 cu. ft. per sec. and 150,000 ac. ft. per annum from main Stanislaus River, Tuolumne County, tributary of San Joaquin River, for power purposes. Amount of power to be developed, 54,000 T.H.P. Diversion by means of ditch 10 miles long. Estimated cost, $1,500,000.

Permits Granted

Application No. 751 (Kern Co.) Permit No. 894. San Joaquin Light and Power Corporation, Fresno, California. 250 cu. ft. per sec. from Kern River, Kern County, for power purposes. Amount of power to be developed, 7727 T.H.P. Diversion by means of tunnel and penstock approximately 1.7 miles long. Estimated cost, $882,000.

Application No. 2030 (Kern Co.) Permit No. 895. San Joaquin Light and Power Corporation, Fresno, Cal., 300 cu. ft. per sec. from Kern River, Kern County, for power. Amount of power to be developed, 16,874 T.H.P. Diversion by means of enlarging present tunnel. Estimated cost, $1,000,000.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1765	Arms	Owner	22000
1766	Muller	Jones	4000
1767	Nelson	Owner	6000
1768	Monzani	Owner	800
1769	Arnott	Owner	6800
1770	Same	Same	6800
1771	De Martini	Owner	935
1772	Perucca	Orri	950
1773	Klee	Urfer	1150
1774	McKillop	Owner	600
1775	National Pie	Moller	10889
1776	Same	Collonan	384
1777	Same	May	1062
1778	Same	Fiberstone	317
1779	Merrill	Owner	20000
1780	Kinslow	Owner	7500
1781	Bienfield	Bienfield	5000
1782	Carrere	Tarbitt	2400
1783	Mission Rlty	Horstmann	2000
1784	Cohen	Cohen	1500
1785	Lyng	Rogers	550
1786	Malotti	Owner	500
1787	Fontanella	Owner	500
1788	Rentschel	Owner	500
1789	Spreen	Hannah	25000
1790	Crichton	Stevenson	8000
1791	Moneta	Arnott	18765
1792	Campodonico	Martinelli	3000
1793	Seeley	Owner	700
1794	Young	Jensen	1000
1795	Silverstein	Owner	18000
1796	S. F. Realty	Horstmann	5000
1797	S P Co.	Raisch	——
1798	Brady	Monson	13500
1799	Decia	Capelli	12000
1800	Rocca	Owner	6000
1801	Annear	Owner	3000
1802	Genecchio	Owner	2000
1803	Bothin, R. E.	Hinson	1500
1804	Standard Oil Co.	Owners	1000
1805	Forbes	Owner	700
1806	Bailey	Owner	500
1807	Metzger	Fontanella	500
1808	Schlumberger	Rudometran	500
1809	Mariani	Wengard	500
1810	Rubke	Low	500
1811	Lurie	Hansen	23000
1812	Meyer	Nelson	13500
1813	Cantrell	Owner	500
1814	Orpheum	Turner	50283
1815	Same	Oakland	——
1816	P G & E	Clinton	8400
1817	Towle	Nelson	9500

PERMITS

GARAGE
(1765) N NINETEENTH 81 W Guerrero One-story concrete and frame public garage.
Owner—M. D. Arms, 358 Russ Bldg., San Francisco.
Architect—C. M. Cook, 211 Russ Bldg., San Francisco.
Day's work. $22,000

RESIDENCE
(1766) E SHOTWELL 145 N 25th. Two story frame residence.
Owner—Ben Muller, 71 28th St., San Francisco.
Architect—None.
Contractor—Thomas M. Jones, 3767 Army St., San Francisco. $4000

FRAME FLATS
(1767) E FUNSTON AVE 75 S Geary. Two-story and basement frame (2) flats.
Owner—N. J. Nelson, 1505 Balboa St., San Francisco. ..
Architect—None.
Day's work. $6000

RESIDENCE
(1768) E SCOTT 75 S Chestnut. One-story and basement frame residence.
Owner—Sam Monzani, 2364 Lombard St., San Francisco.
Architect—None.
Day's work. $800

RESIDENCE
(1769) N ALLSTON WAY 240 E Claremont. One-story and basement frame residence.
Owner—Jas. Arnott, 4165 20th St., San Francisco.
Architect—None.
Day's work. $6800

RESIDENCE
(1770) S GRANVILLE 175 E Claremont. One-story and basement frame residence.
Owner—Jas. Arnott, 4165 20th St., San Francisco.
Architect—None.
Day's work. $6800

ALTERATIONS
(1771) SW BAY AND TAYLOR STS. Alter for soft drink parlor and restaurant.
Owner—John De Martini, 60 Valencia St., San Francisco.
Architect—None.
Day's work. $935

ADDITION
(1772) 965 UNION. Addition for private garage of concrete construction.
Owner—Pablo Perucca, 965 Wisconsin St., San Francisco.
Architect—None.
Contractor—G. Orri, 2033 22nd St., San Francisco. $950

REPAIRS
(1773) NE VALLEJO AN VAN NESS Ave. Repair fire damage to apartments.
Owner — Alfred Skinner Klee, 1998 Broadway, San Francisco.
Architect—None.
Contractor—Chas. E. Urfer, 134 Halleck St., San Francisco. $1150

ALTERATIONS
(1774) S BUSH 90 W Grant Ave. Alter hotel.
Owner—Daniel McKillop, 540 California St., San Francisco.
Architect—None.
Day's work. $600

RECORDED

REINFORCED CONCRETE BLDG.
(1775) N FULTON 27-6 W Octavia. All work except plumbing, tile, painting, electric wiring and roofing for two-story reinforced concrete building.
Owner—National Pie Co., 163 Kisling St., San Francisco.
Architect—Dodge A. Riedy, Pacific Bldg., San Francisco.
Contractor—Fred Moller, 572 Haight St., San Francisco.
Filed Aug. 27, '21. Dated Aug. 23, '21.
Walls are poured.....$4166
2nd story brown coated..... 2000
Completed 2000
Usual 35 days..... 2723
TOTAL COST, $10,889
Bond, $5444.50. Sureties, R. W. Moller and F. K. McComber. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(1776) WIRING FOR LIGHTING & power on above.
Contractor—Collonan Electric & Mfg. Co., 3211 Mission St., San Francisco
Filed Aug. 27, '21. Dated Aug. 23, '21.
TOTAL COST, $384
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(1777) PLUMBING ON ABOVE.
Contractor—Gus May, 3668 18th St., San Francisco.
Filed Aug. 27, '21. Dated Aug. 24, '21.
Roughing completed $416.50
Fixtures set 350.00
Usual 35 days..... 295.50
TOTAL COST, $1062.00
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(1778) TILE ROOFING ON ABOVE.
Contractor—Fiberstone Rooting Co., 199 10th St., San Francisco.
Filed Aug. 27, '21. Dated Aug. 23, '21.
TOTAL COST, $317
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(1779) S CLAY 154-3 E Franklin. Three-story and basement frame (6) apartments.
Owner—T. D. Merrill, 1901 California St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. $20,000

STORES
(1780) S HOWARD 237-6 E Fourth. One-story frame stores.
Owner—F. Kinslow, Care Architect.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Day's work. $7500

RESIDENCE
(1781) W FIFTEENTH AVE 100 N Anza. Two-story and basement frame residence.
Owner—D. L. Bienfield, 1405 Clement St., San Francisco.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Day's work. $5000

CELLAR
(1782) N EVANS AVE 100 N Lane. One-story frame mushroom cellar.
Owner—J. B. Carrere, 1341 Evans Ave., San Francisco.
Architect—Jas. Tarbitt, 386 Fair Oaks St., San Francisco.
Contractor—Jas. Tarbitt, 386 Fair Oaks St., San Francisco. $2400

GARAGES
(1783) S TWENTIETH 73-9 W Valencia. One-story frame (12) private garages.
Owner—Mission Realty Co., 2008 Mission St., San Francisco.
Architect—Noen. Arguello Blvd., San Francisco.
Day's work. $2000

ALTERATIONS
(1784) NW HAYES & SCOTT. Alter front, re-arrange dwelling for two five-room flats.
Owner—H. Cohen, 901 Buchanan St., San Francisco.
Plans by Owner.
Contractor—Henry Cohen, 682 McAllister St., San Francisco. $1500

FOUNDATION
(1785) 801 GROVE. Cement foundation and floor for store.
Owner—H. J. Lyng, 467 24th St., Oakland.
Plans by Contractor.
Contractor—John Rogers, 911 Laguna St., San Francisco. $550

STORE
(1786) E GREAT HIGHWAY 400 N Balboa. One-story frame store.
Owner—Sam Malotti, Care Architect.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Day's work. $500

ALTERATIONS
(1787) SE FOURTH AND CLEMENtina. Remodel hotel lobby.
Owner—Mrs. Erminia Fontanella, 1682 Eddy St., San Francisco.
Architect—None.
Day's work. $500

ALTERATIONS
(1788) 3829 TWENTIETH. Alter for basement garage in flats.
Owner—Mrs. W. C. Rentschel.
Architect—None.
Day's work. $500

APARTMENTS
(1789) SE CLEMENT & TWENTIETH Ave. Two-story and basement frame (8) apartments.
Owner—Fred Spreen ,251 Kearny St., San Francisco.
Architect— Edward E. Young, 251 Kearny St., San Francisco.
Contractor—Hannah Bros., 142 Sansome St., San Francisco. $25,000

RECORDED

BUNGALOWS
(1790) W TWENTY-SEVENTH AVE 250 N Geary — 50 W 120 S 50 E 120. All work for two frame bungalows
Owner—L. G. Crichton and A. M. Scott, 1117 Hewes Bldg., San Francisco.
Plans by Contractor.
Contractor—L. H. Stevenson, 45 Worth St., San Francisco.
Filed Aug. 29, '21. Dated Aug. 29, '21.
Frame up $2000
1st coat plaster on..... 2000
Buildings completed 2000
Usual 35 days..... 2000
TOTAL COST, $8000
Bond, $5000. Sureties, Jno. J. and Margaret R. Murray. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit also applied for today.

RESIDENCES
(1791) N STAPLES 180 E GENNESSEE E 30 x N 112.6 portion lots 17 and 18 blk. 13, Sunnyside; N. Staples 210 E. Gennessee E. 30 x N 112.6 portion lots 18 and 21, blk. 13, Sunnyside; N. Staples 240 E. Gennessee E 30 x N 112.6 portion lots 21 and 22, blk. 13, Sunnyside; N. Staples 270 E. Gennessee E. 30 x N 112.6 portion lots 22 and 23, blk. 13, Sunnyside; N. Staples 300 E. Gennessee E 30 x N. 112.6 portion lots 26 and 29, blk. 13, Sunnyside.
All work except painting, electric fixtures, wall paper, finish hardware and window shades for five 1-story and basement frame residences:
Owner—The Moneta Investment Co., Pacific Bldg., San Francisco.
Architect — Bernard J. Joseph, Call Bldg., San Francisco.
Contractor—James Arnott & Son, 4165 Army St., San Francisco.
Filed Aug. 29, '21. Dated June 16, '21.
When concrete foundations done and wood frames up.....$4690
Rough plumbing and electric work done and brown coated. 4690
Completed and accepted..... 4690
Usual 35 days..... 4695
TOTAL COST, $18,765
Bond, sureties, none; forfeit, $10; limit, 90 days. Plans and specifications filed.

RESIDENCE
(1792) W. MASON 60 N. LOMBARD, Two-story and basement frame residence.
Owner—H. Campodonico, 618 7th Ave.
Architect—P. DeMartini, 946 Broadway.
Contractor—J. Martinelli, 180 Jessie St. $3000

FIREWALLS
(1797) 52 MINT AVE. Construct addition to firewalls.
Owner—Jos. B. Seeley, 2306 Geary St.
Architect—None.
Day's work. $700

ALTERATIONS, ETC.
(1794) 2456 MISSION ST. Alter front and build shelves in store.
Owner—Marian Young, care of Contractor.
Architect—None.
Contractor—G. P. W. Jensen, 320 Market St. $1000

FLATS
(1795) E. PALM AVE. 150 S. CALIfornia. Two-story and basement frame (2) flats.
Owner—Mrs. Pearl Silverstein, 130 Kearny St.
Architect—S. Heiman, 57 Post St.
Day's work. $18,000

CONCR. STORE
(1796) W. VALENCIA 120 S. 18TH. Two-story concrete store.
Owner—San Francisco Realty Syndicate, 2008 Mission St.
Architect—None.
Construction Manager—A. J. Horstmann, 1299 Arguello Blvd. $5000

RECORDED

PAVEMENT
(1797) SECOND ST. bet. Harrison and Folsom. Street work.
Owner—Southern Pacific Company.
Architect—None.
Contractor—Raisch Improvement Co., 46 Kearny St., San Francisco.
Filed Aug. 30, '21. Dated July 30, '21.
Monthly payments of..:..... 75%
Usual 35 days..... 25%
TOTAL COST — Asphaltic concrete pavement, 37c per sq. yd.; Basalt block toothing, 90c per lin. ft.
Bond, $2500. Surety, Globe Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FLATS
(1798) NW FULTON AND 19TH AVE. Two-story and basement frame (4) flats.
Owner—Edw. E. Brady, 120 Fremont St.
Architect—D. C. Coleman, French Bank Bldg., 110 Sutter St.
Contractors—Monson Bros., 1907 Bryant St. $13,500

RESIDENCES
(1799) S PINE 206.3 W FILLMORE. Two 1-story and basement frame residences.
Owner—S. Decia, 2516 California St.
Architect—None.
Contractor—G. Capelli, 491 Greenwich St. $6000 each.

FLATS
(1800) E. JONES 137.6 N. BUSH. Two-story and basement frame (2) flats.
Owner—Mary Rocca, 720 Powell St.
Architects—O'Brien Bros., Inc., 240 Montgomery St.
Day's work. $6000

ADDITIONS, ETC.
(1801) 181 FAIRMOUNT ST. Raise; additions and general repairs for flats.
Owner—J. A. Annear, 181 Fairmount St.
Architect—None.
Day's work. $3000

DWELLINGS
(1802) E. GENEVA 200 E. HURON. One-story and basement frame dwelling.
Owner—B. Genocchio, 816 Geneva Ave.
Architect—None.
Day's work. $2000

ADDITIONS, ETC.
(1803) 461-63 HAIGHT ST. Construct additions for porch and 2 rooms for residence and bakery.
Owner—Bothin Real Estate Co., 2nd and Mission Sts.
Architect—A. S. Bugbee, 30 Montgomery St.
Contractor—L. A. Hinson, 1228 Grove St. $1500

SERVICE STATION
(1804) NE MAIN AND MISSION STS. One-story steel service station.
Owner—Standard Oil Co., 298 Bush St.
Architect—Plans by Owners.
Day's work. $1000

RESIDENCE
(1805) S. HOLLISTER 125 E. JENnings. One-story and basement frame residence.
Owner—W. W. Forbes, 1185 Hollister Ave.
Architect—Plans by Owner.
Day's work. $700

COVERING ROOF
(1806) 1256 GUERRERO ST. Asbestos covering for roof.
Owner—Geo. Bailey, 1256 Guerrerro St.
Architect—None.
Day's work. $500

RESHINGLING
(1807) 2209 VAN NESS AVENUE. Reshingling roof; 40% of cedar and 60% asbestos.
Owner—Louis Metzger, 2209 Van Ness Ave.
Architect—None.
Contractors—Fontanella & Tezor, 1682 Eddy St. $500

ALTERATIONS
(1808) 2221 VAN NESS AVE. Remove partitions; change entrance; install steel beam for drug store.
Owner—J. W. Schlumberger, 795 Geary St.
Architect—E. J. Osborne, Balboa Bldg.
Contractor—Mike Rudometran, 2032 22nd St. $500

ALTERATIONS
(1809) 1463 THIRTY-THIRD AVE. Shingle exterior of residence and minor additions.
Owner—R. Mariani, Premises.
Architect—None.
Contractor—C. Wengard, 1286 34th Ave., San Francisco. $500

GARAGE
(1810) 801 ARGUELLO BLVD. One-story frame private garage.
Owner—John D. Rubke, Premises.
Architect—None.
Contractor—James Low, 76 Coleridge St., San Francisco. $500

RECORDED

GARAGE
(1811) N PACIFIC 107-6 E Van Ness Ave N 91-8 E 30 N 36-0¼ E 39-3 S 125-8¼ W 69-3. All work for two-story reinforced concrete garage Building.
Owner—Louis R. Lurie, Mills Bldg., San Francisco.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—F. L. Hansen, Inc., 251 Kearny St., San Francisco.

led Aug. 31, '21. Dated Aug. 25, '21.
On 1st and 15th of each month.. 75%
Usual 35 days..... 25%
TOTAL COST, $23,000
ond, $11,500. Sureties Ella M. Hansen
d Frank Davison. Limit, 120 days.
rfeit, $20. Plans and specifications
ed.
NOTE—Permit also applied for today

RAME FLATS
812) SE ANZA AND EIGHTEENTH Ave. Two-story and basement frame (4) flats.
wner—Sol. F. Meyer, 110 Sutter St., San Francisco.
rchitect—O. R. Thayer, 110 Sutter St., San Francisco.
ntractor—Emil Nelson, 747 Fillmore St., San Francisco. $13,500

DDITION
813) E LARKIN 90 S Pine. Addition of dressing room.
wner—E. B. Cantrell, 1254 Larkin St., San Francisco.
chitect—None.
ay's work. $500

RECORDED
814) NW GOLDEN GATE AVE AND Taylor. Heating and ventilating for theatre building.
wner—Junior Orpheum of San Francisco, by W. S. Dinwiddie, Crocker Bldg., San Francisco.
chitect — G. Albert Lansburgh, 709 Mission St., San Francisco.
ntractor, The Turner Co., 272 Natoma St., San Francisco.
led Sept. 1, '21. Dated Aug. 10, '21.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $50,283
nd, $25,141.50. Surety, Fidelity & Deit Co. of Maryland. Limit, Jan. 15, 22. Forfeit, none. Plans and specications filed.

815) MILL WORK IN GUM WOOD and Oregon pine on above.
ntractor—Oakland Planing Mills, 2nd and Washington Sts., Oakland.
led Sept. 1, '21. Dated Aug. 13, '21.
Payments same as above.....
TAL COST—Glass door transom and jambs, $26.50; panel door jambs, $26.50; wash stand locker, $30; coat closet, $30; double locker, $52; Borrow lights, $4.75; 10" base per ft., 20c; wire mould, per ft., 24c; picture mould per ft., 20c.
nd, $10,500. Surety, Fidelity & Deit Co. of Maryland. Limit, 90 days. rfeit, none. Plans and specifications ed.

TERATIONS
816) N ELLIS 37.5 E Broderick E 25xN 112.5. All work except fabrication of structural steel for extension to Station "G."
wner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
chitect—None.
ntractor — Clinton Constr. Co., 140 Townsend St., San Francisco.
led Sept. 1, '21. Dated Aug. 29, '21.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, $8400
nd, $4200. Surety, New Amsterdam sualty Co. Limit, 75 days. Forfeit, ne. Plans and specifications filed.
NOTE:—Permit reported July 20, 21, No. 1547.

WELLING
817) LOT 3 BLK 4, St. Francis Wood All work for two-story frame dwelling.
wner—Herbert V. Towle, Burlingame
chitect—Chas. F. Strothoff, 2274 15th St., San Francisco.
ntractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.

Filed Sept. 1, '21. Dated Aug. 31, '21.
Enclosed $2375
Brown coated 2375
Completed and accepted..... 2375
Usual 35 days..... 2375
TOTAL COST, $9500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Sept. 1, 1921—E EDINBURGH 175 S Brazil Ave S 25xE 100. Martin Smith to whom it may concern..... .....Sept. 1, 1921

Aug 30, 1921—S BROADWAY 171-10½ W Grant Ave W 22xS 137-6. J C Morris to Mission Concrete Co..... .....Aug. 29, 1921

Aug. 30, 1921—SIXTH AND BERRY. Southern Pacific Co to Fay Improvement to.....Aug. 30, 1921

Aug 30, 1921—LOT 20 BLK 3110 Westwood Park. Ira E Stuck to Hans Nelson.....Aug. 24, 1921

Aug. 30, 1921—LOT 25x120 on E line 17th Ave 253-11 N Clement. T I Strand to whom it may concern.. .....Sept. 1, 1921

Aug. 30, 1921—LOT 25x120 on E line 17th Ave 228-11 N Clement. T I Strand to whom it may concern.. .....Sept. 1, 1921

Aug. 29, 1921—SW GRANT AVE AND Tillman Alley S 25xW 70. Hirsch & Kaye to The Federal Ornamental Iron & Bronze Co.....Aug. 27, 1921

Aug. 29, 1921—N DECK 4TH ST bridge across Channel St. Southern Pacific Co. to Tibbitts Pacific Co.....Aug. 27, 1921

Aug. 29, 1921—N GEARY BET 44TH and 45th Aves 40x35, No. 8012 Geary St. Mary P. Steil to A. G. Sutro .....Aug. 26, 1921

Aug. 29, 1921—NE RUSSIA AVE 50 SE Paris SE 25 x NE 75 pt lot 4 blk 20, Exch Hd Assn. Jas Gleeson and John Farrell to whom it may concern.....Aug 29, 1921

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Aug. 30, 1921—SE STEVENSON 95 SW Second SW 90xSE 80. Petersen Co to Wm H Locke and Annie L Locke

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Sept. 1, 1921—NO. 2456 MISSION, bet. 20th and 21st. Marion F Young as to improvements on property.....

Sept. 1, 1921—W THIRTY-THIRD Ave 225 S Geary S 25xW 120. Sol Getz & Sons, Inc. as to improvements on property.....

Aug. 29, 1921—NW GEARY & 11TH Ave N 150 W 120 S 50 E 35-6 S 100 E 82.6. Jacob Weissbein as to improvements on property.....

CANCELLATION OF BUILDING CONTRACT

SAN FRANCISCO COUNTY

Sept. 1, 1921—N PACIFIC 107-6 E Van Ness Ave E 69-3 N 127-8¼ W 39-3 S 36-00, W 30 S 91-8 Louis R Lurie with F L Hansen, Inc.

ARCHITECT'S CERTIFICATE

Samuel Herman has filed his certificate of architecture for San Francisco County.

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2903)	Jordan	Owner	3500
2904	Lilienthal	Owner	3000
2905	Cereglingo	Owner	450
2906	Strew	Owner	3000
2907	James	James	450
2908	Fuller	Fuller	2100
2909	Gorranson	Owner	2600
2910	Dane	Maasberg	5000
2911	Corey	Owner	4000
2912	Legris	Owner	2500
2913	Merrman	McIntier	9860
2914	Lee	Owner	2000
2915	Farr	Owner	1900
2916	Palmer	Palmer	430000
2917	Lewis	Owner	4000
2918	Batten	Owner	2000
2919	Fife	Owner	500
2920	Block	Block	1200
2921	Johnson	Owner	400
2922	Sandoe	Connor	11850
2923	Turner	Owner	5000
2924	Brouderman	Vaughn	10000
2925	Armanino	Owner	2500
2926	Brother	Orfamos	500
2927	Wright	Owner	2000
2928	Kyle	Baird	3700
2929	Geitner	Davis	2900
2930	Severin	Wright	800
2931	Kritz	Owner	2400
2932	Devine	Christenson	500
2933	Orazio	Owner	1500
2934	Frage	Owner	3000
2935	Williams	Owner	400
2936	Jacobowitz	Wells	4400
2937	Wells	Burnett	8858
2938	Higgins	Young	7000
2939	Smith	Owner	2000
2940	Cal. Pottery	Owner	400
2941	Petty	Crithfield	450
2942	Campbell	Owner	1200
2943	Welch	Owner	800
2944	Axley	Owner	1500
2945	Smith	Mathews	2000
2946	Garfinkle	Schnebly	464
2947	City of Okd.	Goodmundson	946
2948	Same	Same	569
2949	Muller	Ross	6171
2950	Govill	Schwalm	10971
2951	Frazier	Randlett	475
2952	Thorn	Randlett	450
2953	Cleveland	Peterson	4200
2954	Marsh	Owner	1350
2955	Lydecker	Oakley	3500
2956	Konigshafer	Olson	800
2957	Osterdoch	Wells	851
2958	Connell	Wieben	3500
2959	Mork	Owner	1200
2960	Frodshan	Campomenosi	4000
2961	Schultz	Nall	3250
2962	Pavillard	Moll	500
2963	Anderson	Owner	450
2964	Riley	Yerrick	19000
2965	City of Berkeley	Conner	765
2966	City of Berkeley	Catton	1986
2967	Ames	Sorenson	16871
2968	McNaughton	Mason	1000
2969	Benson	Sorenson	3932
2970	City of Oakland	Faulkes	1400
2971	City of Oakland	Jensen	81000
2972	City of Oakland	Faulkes	1400
2973	Wilson	Thomas	10000
2974	Francis	Owner	1200
2975	Gunderson	Legault	1950
2976	Fisher	Owner	5500
2977	Tabb	Owner	400
2978	Margius	Owner	2800
2979	Jackson	Jackson	450
2980	MacGregor	Owner	14000
2981	Taylor	Owner	2000
2982	Lundstrom	Owner	3250
2983	Fleche	Ehrmais	3200
2984	Lundy	Macdonald	31122

PERMITS

DWELLING
(2903) 1825 HOPKINS ST., Berkeley. One-story 6-room dwelling.
Owner Jordan & Zeile, 100x36 Hortense Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(2904) E WEST 210 N Channing, Berkeley. One-story 4-room dwelling.
Owner—Caroline Lilienthal, NW Cor. Grove and University Ave., Bkly.
Architect—None.
Contractor—J. Lilienthal, NW Cor. Grove and University Ave., Bkly. $3000

PERMITS

DWELLING
(2905) S A ST. 125 E 94th Ave., Oakland. One-story 2-room dwelling.
Owner—G. Cereglingo, 1061 Elmhurst Ave., Oakland.
Architect—None.
Day's work. $450

DWELLING
(2906) 3619 BROWN AVE., Oakland. One-story 6-room dwelling.
Owner—Carl and Wilhelmina Strew, 60 Springdale St., San Francisco.
Architect—None.
Day's work. $3000

ADDITION
(2907) 3889 BROWN AVE., Oakland. One-story addition.
Owner—Bessie A. James.
Architect—None.
Contractor—J. C. James. $450

DWELLING
(2908) S FIFTY-NINTH 139 E Shattuck Ave., Oakland. One-story 4-room dwelling.
Owner—G. C. & M. M. Fuller, 589 59th St., Oakland.
Architect—None.
Contractor—Geo. C. Fuller. $2100

DWELLINGS
(2909) W PERALTA AVE 260 and 297 S Hopkins, Oakland. Two one-story 4-room dwellings.
Owner — H. Gorranson, 3476 Laguna Ave., Oakland.
Architect—None.
Day's work. $2600 each

DWELLING
(2910) N PROSPECT AVE 92 E Capell, Oakland. One-story 6-room dwelling.
Owner—Wm. Dane.
Architect—None.
Contractor—E. Maasberg, 1420 Wellington St., Oakland. $5000

DWELLING
(2911) W THIRTY-EIGHTH AVE 350 S Santa Rita, Oakland. One and one-half-story 6-room dwelling.
Owner—C. M. Corey, 4000 39th Ave., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(2912) E SIXTY-SEVENTH AVE 200 S Arthur, Oakland. One-story 5-room dwelling.
Owner—V. J. Legris, 491 58th St., Okd.
Architect—None.
Day's work. $2500

DWELLING
(2913) E ALVARADO AVE. 400 W Bayo Vista, Oakland. Two-story 17-room dwelling.
Owner—The Merrman School.
Architect—None.
Contractor—H. W. McIntier Co., 1528 Franklin St., Oakland. $9860

ALTERATIONS
(2914) 3663 FOOTHILL BLVD., Oakland. Alter store into apartments.
Owner—Chas. F. Lee, 1212 Fruitvale Ave., Oakland.
Architect—None.
Day's work. $2000

DWELLING, ETC.
(2915) SW HUMBOLDT AND BROOKdale Ave., Oakland. One-story 3-room store and dwelling.
Owner—F. R. Farr.
Architect—None.
Day's work. $1900

APARTMENTS
(2916) NW NINETEENTH & JACKson, Oakland. Eight-story reinforced concrete apartments.
Owner—P. A. Palmer, Piedmont.
Architect—W. C. Lowe.
Contractor—Palmer & Petersen, Monadnock Bldg., San Francisco. $430,000

DWELLING
(2917) E SEVENTEENTH AVE 95 S E-20th, Oakland. One-story six-room dwelling.
Owner—Manuel Lewis, 1724 E-17th St., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(2918) W SEVENTY-SECOND AVE 75 S Outlook, Oakland. One-story 4-room dwelling.
Owner—Chas. Batten.
Architect—None.
Day's work. $2000

CHICKEN HOUSE
(2919) 1099 SEVENTY-FIFTH AVE., Oakland. One-story chicken house
Owner—C. A. Fife, Premises.
Architect—None.
Day's work. $550

ADDITION
(2920) 760 TWENTY-THIRD AVE., Oakland. Addition.
Owner—Block Brass Foundry Co.
Architect—None.
Contractor—Peter Block, 109 Arbor Drive, Piedmont. $1200

ADDITION
(2921) 1521 UNION, Oakland. Addition.
Owner—O. W. Johnson.
Architect—None.
Day's work. $400

RECORDED

RESIDENCE
(2922) W SHERMAN 150 N San Antonia Ave., Alameda. All work for two-story frame residence.
Owner—Mrs. E. S. Sandoe, Alameda.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor—Connor & Connor, Berkeley Way and Shattuck, Berkeley
Filed Aug. 26, '21. Dated Aug. 24, '21.
Frame up and roof boarded..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $11,850
Bond, $5925. Surety, National Surety Co. Limit 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(2923) 79 SHASTA ST., Berkeley. Two-story 8-room dwelling.
Owner—Shirley Turner, 1329 Tamalpais Ave., Berkeley.
Architect—None.
Day's work. $5000

FLATS
(2924) E GRAND AVE 143 N COTtage, Oakland. Two-story 12-room flats.
Owner—Henry Brouderman, 357 12th St., Oakland.
Architect—None.
Contractor—M. C. Vaughn. $10,000

DDWELLING
(2925) S ARMANINA COURT 175 E College. One-story 4-room dwelling.
Owner—G. B. Armanino, 852 45th St.
Architect—None.
Day's work. $2500

ALTERATIONS
(2926) 737 BROADWAY, Oakland. Alterations.
Owners—Lucas Brothers.
Architect—None.
Contractor—Geo. Orfamos, 725 Harrison St., San Francisco $500

DWELLING
(2927) E CHAMPION 80 S HARROLD, Oakland. One-story 4-room dwelling.
Owner—Della M. Wright, 1229 54th Ave., Oakland.
Day's work. $2000

DWELLING
(2928) S CHATHAM RD 91 W PARK Blvd. One-story 5-room dwelling.
Owner—W. F. Kyle, 6107 Colby, Oakland.
Architect—None.
Contractor—L. M. Baird, 1450 Alice So. $3700

DWELLING
(2929) S CALMAR AVE 275 E SANTA Rosa, Oakland. One-story 4-room dwelling.
Owner—Joseph Geitner, 4012 Piedmont Ave., Oakland.
Architect—None.
Contractor—L. J. Davis. $2900

ALTERATIONS
(2930) 1725 86TH AVE., Oakland. Alterations.
Owner—Severin.
Architect—None.
Contractor—W. Wright, 1429 Auseon, Oakland. $800

DWELLING
(2931) E 51ST AVE 50 S VICKSBURG, Oakland. One-story 4-room dwelling.
Owner—Geo. H. Kritz, 2161 51st St., Oakland.
Day's work. $2400

ADDITION
(2932 78 GLEN AVE., Oakland. Addition.
Owner—P. B. Devine.
Architect—None.
Contractor—A. C. Christenson. $500

DWELLING
(2933) N HENRIETTA 215 E 34th Ave., Oakland. One-story 3-room dwelling.
Owner—Filippini Ohazio, 3416 Henrietta, Oakland.
Architect—None.
Day's work. $1500

DWELLING
(2934) SW PORTER AND VALE, Oakland. One-story 6-room dwlg.
Owner—J. M. Frage, 2841 Helen St., Oakland.
Architect—None.
Day's work. $3000

GARAGE
(2935) 896 THIRD, Oakland. One-story brick garage.
Owner—J. Williams.
Architect—None.
Day's work. $400

RECORDED

STORE & FLATS
(2936) SE FORTY-SIXTH AVE 75 SW Bond SW 30xSE 15, Oakland. Two-story store and flat building.
Owner—Celia Jacobowitz, Oakland.
Architect—None.
Contractor—F. P. Wells.
Filed Aug. 29, '21. Dated Aug. 29, '21.
H. A. Pleitner, 3248 E-14th St., pays all bills.....
TOTAL COST, $4400
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

WELLING
937) SW PALA AVE 200 SE Park Way SE 50xSW 127.70, Piedmont. All work for two-story 8-room dwelling.
wner—Frederick C. Wells, Oakland.
rchitect—None.
ontractor—F. L. Burnett, 745 Aileen St., Oakland.
iled Aug. 29, '21. Dated Aug. 25, '21.
Frame up ..... ¼
Ready for plaster..... ¼
Standing finish on..... ¼
Completed ..... ¼
TOTAL COST, $8858
ond, none. Limit, 100 days. Forfeit, one. Plans and specifications filed.

WELLING
938) W. OXFORD 543 S. MARIN Ave., Berkeley. Two-story 7-room dwelling.
wner—S. A. Higgins, 6458 Regent St., Oakland.
rchitect—None.
ontractor—G. K. Young, 791 Vincente Ave., Berkeley. $7000

WELLING
939) E. SCENIC 176 S. Vine, Berkeley. Two-story 5-room dwelling.
wner—Wm. Smith, 1517 Scenic Ave., Berkeley.
rchitect—None.
ay's work. $2000

ANK FRAME
940) 2265 E. 12TH ST., Oakland. Tank frame.
wner—Cal. Pottery Co., Oakland.
rchitect—None.
ay's work. $400

LTERATIONS
941) 1212 E. 14TH ST., Oakland. Alterations.
wner—Mrs. M. Petty, 1204 E. 14th St., Oakland.
rchitect—None.
ontractor—H. Critchfield, 1806 Allston Way, Berkeley. $450

LTERATIONS
942) 1330 MYRTLE ST., Oakland. Alterations.
wner—D. A. Campbell.
rchitect—None.
ay's work. $1200

LTERATIONS
943) 5815 NOBLE ST., Oakland. Alterations.
wner—E. H. Welch.
rchitect—None.
ay's worw. $800

WELLING
944) N. NEY AVE. 400 E. MARS ST., Oakland. One-story 3-room dwelling
wner—W. A. Axley, 5611 Edgerly St., Oakland.
rchitect—None.
ay's work. $1500

LTERATIONS
945) SW COR. 12TH AND WASHington Sts., Oakland. Alterations.
wner—Wm. Smith.
rchitect—None.
ontractor—Walter J. Mathews, 921 Broadway, Oakland $2000

LTERATIONS
946) 4899 TELEGRAPH AVE., Oakland. Alterations.
wner—M. Garfinkle.
rchitect—None.
ontractors—Schnably & Horstrawser, 6th and Jackson Sts., Oakland. $461

OOF REPAIRING
947) 28TH AND BROADWAY, Oakland. Roof repairing.
wner—City of Oakland.
rchitect—None.
ontractor—A. K. Goodmundson, 2140 San Pablo, Oakland. $946

ROOF REPAIRING
(2948) 39TH AND MARKET STS., Oakland. Repairing roof.
Owner—City of Oakland.
Architect—None.
Contractor—A. K. Goodmundson, 2140 San Pablo Ave., Oakland. $569

DWELLING & STORE
E. 46TH AVE. 75 S. BOND ST., Oakland. Two-story dwelling and store.
Owner—Celia Jacobowitz.
Architect—None.
Contractor—L. P. Wells, 4034 Porter St., Oakland. $4400
NOTE:—Recorded contract reported Aug. 30, 1921, No. 2936.

RECORDED

DWELLING
(2949) NW SHERMAN AND SAN Antonio Ave., Alameda. All work except fences and furnishing wall paper for one-story and basement frame dwelling.
Owner—Rosina Muller.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—D. W. Ross, 1118 Laurel St., Oakland.
Filed Aug. 30, '21. Dated Aug. 30, '21.
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted..... ¼
Usual 35 days ..... ¼
TOTAL COST, $6171
Bond, $3085.50. Sureties, Elizabeth B. Ross and J. A. Steedman. Limit, 75 days. Forfeit, $10. Plans and specifications filed.

DWELLING
(2950) LOT 31 AND PTN LOT 30 BLK 1, Lakeshore Highlands, Oakland. All work for two-story and basement frame dwelling.
Owner—Estella W. Gorrill, Oakland.
Architect — Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Harry Schwalm, Hayward
Filed Aug. 29, '21. Dated Aug. 29, '21.
Sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $10,971
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ADDITION
(2951) 1128 BAY ST., Alameda. Addition.
Owner—J. A. Frazier, premises.
Architect—None.
Contractor—E. A. Randlett. $475

REPAIRS
(2952) 2109 CLINTON AVE., Alameda. Repairs.
Owner—J. Thorn, premises.
Architect—None.
Contractor — E. A. Randlett, 1534 Chestnut St., Alameda. $450

DWELLING
(2953) 3321 FERNSIDE, Alameda. One-story 5-room dwelling.
Owner—E. A. Cleveland, Alameda.
Architect—None.
Contractor—J. B. Peterson, 2053 38th Ave., Oakland. $4200

ALTERATIONS
(2954) 1801 LINCOLN AVE., Alameda. Alterations.
Owner—F. Marsh, 1511 Everett, Alameda.
Architect—None.
Day's work. $1350

DWELLING
(2955) 926 LINCOLN AVE., Alameda. One-story 5-room dwelling.
Owner—Otto Lydecker, 926 Lincoln Ave., Alameda.
Architect—None.
Contractor—W. R. Oakley, 1911 65th Ave., Oakland. $3500

ADDITION
(2956) 1343 PARK ST., Alameda. Addition.
Owner—L. A. Konigshafer, Alameda.
Architect—None.
Contractor—Olson & Brested, 1421 Caroline St., Alameda. $800

ALTERATIONS
(2957) 1128 REGENT ST., Alameda. Alterations.
Owner—J. O. Osterdoch, premises.
Architect—None.
Contractor — W. B. Wells, 1096 Versailles St., Alameda. $851.90

DWELLING
(2958) 319 TAYLOR AVE., Alameda. One-story 5-room dwelling.
Owner—Geo. A. Connell, Sterling Ave., Alameda.
Architect—None.
Contractor — Alex C. Wieben, 3602 Fruitvale Ave., Oakland. $3500

DWELLING
(2959) N. HEARST 100 W. SAN PABlo, Berkeley. One-story 3-room dwelling.
Owner—Walter Mork, 1041 Hearst Ave., Berkeley.
Architect—None.
Day's work. $1200

DWELLING
(2960) W. BRIGHTON AVE. 90 N. East 38th St., Oakland. One-story 5-room dwelling.
Owner—Jos. Frodshan, 242 Divisadero St., San Francisco.
Architect—None.
Contractor — E. Campomenosi, 5238 Lawton Ave., Oakland. $4000

DWELLING
(2961) N. 45TH ST 300 W BROADway, Oakland. One-story 5-room dwelling.
Owner—Hans Schultz, 328 45th St., Oakland.
Architect—None.
Contractor—Geo. C. Nall, 930 41st St., Oakland. $3250

DWELLING
(2962) NW COR. KINGSLAND AND Birdsall, Oakland. One-story 4-room dwelling.
Owner—S. J. Pavillard, 5064 Birdsall Ave., Oakland.
Architect—None.
Contractor—S. Moll. $500

SHED
(2963) 722 29TH AVE., Oakland. Shed.
Owner—Chas. W. Anderson, premises.
Architect—None.
Day's work. $450

DWELLING
(2964) N. WAWONA AVE 150 W. Portal Ave., Oakland. Two-story 8-room dwelling.
Owner—Jas. and E. W. Riley, Oakland.
Architect—None.
Contractor—A. Yerrick, 5255 College Ave., Oakland. $19,000

RECORDED

(2965) NW COR PIEDMONT AND Forest Aves., Berkeley. Carpentry work for remodeling toilet rooms.
Owner—Board of Education of City of Berkeley.
Architect—Wm. C. Hays, 1st Natl. Bank Bldg., San Francisco.
Contractors—Conner & Conner, Berkeley Way and Shattuck Ave., Berkeley.
Filed Aug. 31, '21. Dated July 30, '21.
1st Sat. after 1st. Tues. each month 75%
Usual 35 days 25%
TOTAL COST, $765
Bond, $383; sureties, Fidelity and Casualty Co.; forfeit, none; limit, 3 days. Plans, specications, none.

(2966) PLUMBING ON ABOVE.
Contractor — Thomas R. Catton, 3043 Deakin, Berkeley.
Filed Aug. 31, '21. Dated July —, '21.
Payments as above.....
TOTAL COST, $1986.75
Bond, $994; sureties, Fidelity and Casualty Co.; forfeit, none; limit, 20 days. Plans and specifications, none.

ALTERATIONS
(2967) 2811 CLAREMONT BLVD., Berkeley. Alterations and additions to dwelling.
Owner—Mrs. Fletcher Ames, Premises.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor — Walter Sorenson, 3221 Ellis St., Berkeley.
Filed Aug. 31. Dated Aug. 24, '21.
Owner pays all bills each month
TOTAL COST, not over $15,465
Bond, limit, forfeit, none. Plans and specifications filed.
NOTE:—Contractor to receive $1406.

DWELLING, ETC.
1317 SHERMAN ST., Alameda. Two-story 10-room frame dwelling and garage.
Owner—J. M. Sandoe, Mound St., Alameda.
Architect—W. H. Ratcliff, Jr., 1st Nat. Bank Bldg., Berkeley.
Contractors—Conner & Conner, Berkeley Way and Shattuck, Berkeley. $11,850
NOTE:—Recorded contract reported Aug. 29, 1921, No. 2922.

ALTERATIONS
(2968) 2330 FULTON, Berkeley. Alterations.
Owner—W. H. McNanughton, Premises.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck & Aaddison Sts., Berkeley. $1000

DWELLING
(2969) S WEBSTER 50 E Dana, Berkeley. One-story 4-room dwelling.
Owner—Mr. & Mrs. Benson, Lafayette Apartments, Berkeley.
Architect—None.
Contractor — Walter Sorensen, 3221 Ellos St., Berkeley. $3932

SCHOOL
(2970) A ST AND 58TH AVE, Oakland. One-story 1-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E 14th St., Oakland. $1400

GYMNASIUM
(2971) 42ND AND BROADWAY, Oakland. One-story gymnasium.
Owner—City of Oakland.
Architect—None.
Contractor—G. P. W. Jensen, 320 Market St., S. F. $81,000

SCHOOL
(2972) E 14TH ST AND 68TH AVE., Oakland. One-story 1-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E. 14th St., Oakland. $1400

STORE
(2973) NE COR COLLEGE AVE AND Ocean View Dr., Oakland. One-story store.
Owner—Dr. Newell Wilson.
Architect—None.
Contractor—Leonard H. Thomas, 281 Russ Bldg., S. F. $10,000

ALT. AND REPAIRS
(2974) 2047 84TH AVE., Oakland. Alterations and repairs.
Owner—E. D. Francis, 2037 84th Ave., Oakland.
Architect—None.
Day's work. $1200

DWELLING
(2975) 4457 HOWE ST., Oakland. One-story 4-room dwelling.
Owner—Julia Gunderson, premises.
Architect—None.
Contractor—O. Legault, 3004 Market St., Oakland. $1950

DWELLING
(2976) S LAKESHORE AVE 1050 E Walla Vista, Oakland. Two-story 6-room dwelling.
Owner—Harry P. Fisher, Syndicate Bldg., Oakland.
Architect—None.
Day's work. $5500

DWELLING
(2977) E 102 AVE 100 N WALNUT St., Oakland. One-story 2-room dwelling.
Owner—Nellie R. Tabb, 1840 Fruitvale Ave., Oakland.
Architect—None.
Day's work. $400

DWELLINGS
(2978) W ROSEDALE AVE 100, 140, 175 and 215 N Carrington, Oakland Four one-story 5-room dwelling.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $2800 each

REPAIRS
(2979) N THIRTEENTH bet. Clay and and Jefferson, Oakland. Repairs.
Owner—Jackson Furniture Co.
Architect—None.
Contractor—P. H. Jackson & Co., 2371 1st St., San Francisco. $450

ADDITION
(2980) E THIRD AVE 75 N E-16th, Oakland. Three-story addition to apartments.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work. $14,000

DWELLING
(2981) S VIRGINIA AVE 25 S Knowland, Oakland. One-story 4-room dwelling.
Owner—Mrs. Minnie Taylor.
Architect—None.
Contractor—Fred G. Turner, 2738 14th Ave., Oakland. $2000

DWELLING
(2982) E WILDE AVE 130 S Monte Vista, Oakland. One-story 5-room dwelling.
Owner—Geo. Sundstrom, 70 Echo Ave., Oakland.
Architect—None.
Day's work. $3250

DWELLING
(2983) N WISCONSIN 54 W Patterson Oakland. One-story 5-room dwlg.
Owner—L. H. La Fleche, 3834 Wisconsin St., Oakland.
Architect—None.
Contractor—J. P. Ehrmais, 1734 60th Ave., Oakland. $3200

RECORDED

APARTMENTS
(2984) E FRUITVALE AVE 45.85 S Foothill Blvd. S 55xE 95, Oakland. All work for two-story 18-room frame apartments.
Owner—T. Wilson Lundy, Oakland & Estelle L. Price, Los Angeles.
Architect—None.
Contractor—H. W. Macdonald.
Filed Sept. 1, '21. Dated Sept. 1, '21.
Frame up $4500
Brown coated 4000
Completed 3000
Usual 35 days..... 2122
TOTAL COST, $13,122
Bond, none. Limit, 100 days after Aug. 30. Forfeit, $10. Plans and specifications filed.

ALTERATIONS
2811 CLAREMONT BLVD., Berkeley. Alterations and additions to dwlg.
Owner—Fletcher Ames, Premises.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor — Walter Sorensen, 3221 Ellis St., Berkeley. $15,465
NOTE:—Recorded contract reported Sept. 1, 1921. No. 2967.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Aug. 31, 1921—NO. 1943 UNIVERsity Ave., Berkeley. N F Tomeo to Roy O Long Co.....Aug. 29, 1921
Aug. 31, 1921—E TELEGRAPH AVE 450 N Hawthorne Ave N 50xE 116. Okd. Margaret H Hart and Claire G Magill to Frederick E Allen... .....August 3. 1921
Aug. 31, 1921—NO. 646 BOULEVARD Way, Okd. P C Boehmer to whom it may concern.....Aug. 30, 1921
Aug. 30, 1921—LOT 38 BLK 4, Claremont Park, Berkeley. Vincent A La Barge to S C Parr..Aug. 30, 1921
Aug. 30, 1921—ELLSWORTH AND Bancroft, Berkeley. Southern Pacific Co to Hutchinson Co..... .....August 26, 1921
Aug. 30, 1921—W LAGUNA AVE 67.87 S Damuth S 34xW 109.20, Oakland. W H Matteson to whom it may concern.....Aug. 27, 1921
Aug. 30, 1921—LOTS 11 AND 12 BLK 16 Map Boulevard Park, Oakland. Ella L Gray to Alex C Wieben... .....August 23, 1921
Aug. 29, 1921—4001-3-5-7-9 TELEgarph Ave & 504-6 40th St., Oakland. Charles Munter to C M Griffin .....Aug. 26, 1921
Aug. 27, 1921—SE 25 LOT 9 and NE 15 Lot 8 Blk 20, Map Boulevard Park, Oakland. J W Sigwald to whom it may concern..Aug. 26, 1921
Aug. 26, 1921—GLENDORA AVE. No. 1164, Oakland. G A Reimers to Ben Kopf.....Aug. 25, 1921
Aug. 25, 1921—NE THIRTY-EIGHTH and Allendale Aves, Okd. Kate Cipolato to J B Petersen..... .....August 22, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Sept. 1, 1921—NW 50 LOT 18 Map Forrest Park Tract, Oakland. F M Dreisbach (Zenith Mill & Lumber Co) vs R H Wells, Fannie M & Wm N Woodcock $312.77
Aug. 30, 1921—PTN PLOT 18, Bernal Portion Rancho El Valle de San Jose, Livermore. Niels Jensen vs Elizabeth Owens $146
Aug. 29, 1921—SE HOWE 465 NE Mather SE 125 NE 49.28 NW 126.73 SW 28.54, Oakland. Sunset Lumber Co vs George Asquith $349.57
Aug. 26, 1921—11 ACRES ON S S ST 350 ft SE from County Road No. 1530, Livermore. L Poulsen vs E Owens $778.23
Aug. 26, 1921—PTN PLOT 18, Bernal Portion Rancho El Valle de San Jose, Livermore. L Poulsen vs Elizabeth Owens $578.23
Aug. 25, 1921—N SANTA CLARA AVE 75 W Benton W 30xN 90, Alameda. Hunter Lumber Co vs Marie Redon, M F Wise and M Wanslehen..$363.46
Aug. 25, 1921—LOT 5 BLK A Map Valley View Tract, Okd. Eureka Mill & Lumber Co vs Lillian Clarke Owens and John Doe Owens..$194.13

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
Aug. 26, 1921—LIEN DATED Nov. 22, 1918, Recorded in Libes 67 of Missec. Page 78, Nov. 23, 1918: Hutchinson Co to J J Fox.....$147

Notice of Non-Responsibility

ALAMEDA COUNTY

Aug. 30, 1921—LOT 23 AND SW 12½ lot 24 blk 11, Map Key Route Heights, Oakland. Alameda Inv. Co., as to improvements on property .....

Aug. 30, 1921—NE 20 LOT 39 AND SW 12½ lot 40 blk 8, Map Key Route Heights, Oakland. Alameda Inv. Co., as to improvements of property .....

HOMESTEADS

ALAMEDA COUNTY

Aug. 30, 1921—S. JAYNE AVE 150 E Perkins St. S 130 E 50, Oakland. Agnes C. Henningsen, wife of R. M. $9000

Aug. 30, 1921—LOTS 3 AND 4 BLK 19 Map Town of Livermore. Rosa Ferrario, wife of Carlo.....$2000

Aug. 30, 1921—NW BELLA VISTA Ave 95 NE E-28th St NE 36.69 NW 128, Oakland. John A. Gardiner. $7500

Aug. 29, 1921—E PROSPECT 204.12 S Panoramic Way SE 46xE 60, Berkeley. Lilian M Allen (wf Albert H) $7500

Aug. 26, 1921—LOT 23 AND SW 25 ft. Lot 22 Blk 'O" Map of Fruitvale Blvd Tract, Brooklyn Tp. Henry and Annabel Coxton....$——

Aug. 26, 1921—BEG. AT POINT on SW line of Davis St. distant 133 ft. from pt. of intersection with SE line of Fruitvale Ave., as said St. and Ave. are shown on map hereinafter referred to, then SE along said line of Davis St. 35 ft. th SW parallel with said line of Fruitvale Ave. 100 ft. th NW parallel with said line of Davis St. 35 ft. th NE parallel with said line of Fruitvale Ave. 100 ft. to the point of beginning. Being portion of Deering Tract, as same is shown on Map of Deering Tct, Brooklyn Tp. Mary Cavealho.....$—

Aug. 25, 1921—LOTS 1 AND 2 Map Tylor Tract, Hayward. Lizzie Peters (wf Guy) $3500

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
2509 PORTOLA WAY, Sacramento. One-story 5-room dwelling and garage.
Owner—M. L. C. Douglas, 2306 L St., Sacramento.
Architect—None.
Contractor—C. J. Ettel, 1515 23rd St., Sacramento. $5000

DWELLING
3740 FORTY-SEVENTH ST., Sacramento. One-story 6-room dwlg.
Owner—S. A. Boltz, 3133 W St., Sacramento.
Architect—None.
Day's work. $2500

OFFICE
1120 B ST., Sacramento. Office.
Owner—E. Carpentier, Rear 1122 B St., Sacramento.
Architect—None.
Contractor—C. Vanina. $900

DWELLING
2101 X ST., Sacramento. Two-story dwelling.
Owner—H. D. Jones, 1530½ T St., Sacramento.
Architect—None.
Contractor—H. G. Birdsall, 1530½ T St., Sacramento. $6200

DWELLING
3645 FOURTH AVE., Sacramento. One story 5-room dwelling.
Owner—T. G. Simmons, 2811 37th St., Sacramento.
Architect—None.
Day's work. $1400

CHURCH
BLOCK SIXTH, SEVENTH, M AND N Sts., Sacramento. One-story brick church.
Owner—Greek Community Church.
Architect—Geo. C. Sellon & Co., 202 Mitau Bldg., Sacramento.
Contractor—J. J. McLaughlin, 251 Kearny St., San Francisco. $12,300

ADDITION
S. P. DEPOT, Sacramento. Addition to baggage room.
Owner—Southern Pacific Co., Supt. Office, Sacramento.
Architect—None.
Day's work. $4000

DWELLING
3057 MONTGOMERY ST., Sacramento. One-story 6-room frame dwlg.
Owner—Jas. Burcell, 3112 Montgomery Way, Sacramento.
Architect—None.
Contractor, B. H. Bill, 3252 Marshall Way, Sacramento. $3250

DWELLING
4425 SEVENTH AVE., Sacramento. One-story 5-room frame dwelling.
Owner—O. H. Moore, 2020 35th St., Sacramento.
Architect—None.
Contractor, B. H. Bill, 3252 Marshall Way, Sacramento. $1950

DWELLING
1729 FIRST ST., Sacramento. Two-story frame dwelling.
Owner—S. F. Johnson Co., 1729 First St., Sacramento.
Architect—None.
Day's work. $10,000

DWELLING
2625 DONNER WAY, Sacramento. One-story 5-room frame dwelling.
Owner—Ray W. Greer, 708 J St., Sacramento.
Architect—None.
Contractor—R. H. Saunders, 1814 49th St., Sacramento. $3850

GARAGE
1517 F ST., Sacramento. Garage.
Owner—F. E. Sisson, 1527 F St., Sacramento.
Architect—None.
Contractor—C. T. Smith, 1918 11th St., Sacramento. $650

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Aug. 26, 1921—E ½ OF N ½ LOT 1, U, V, 17th and 18th Sts., Sacramento. Frank H Artz to whom it may concern.....Aug. 22, 1921

RELEASE OF LIENS

SACRAMENTO COUNTY

Recorded Amount
Aug. 26, 1921—LOTS 137 AND 230, Oak Grove Tract, Sacramento. Edward Hertig to ——— ..$220.05

Notice of Non-Responsibility

SACRAMENTO COUNTY

Aug. 29, 1921—LOT 102, Elmhurst. C M Goethe as to improvements on property .....

BUILDING CONTRACTS

SANTA CLARA COUNTY

ADDITION
62 S-FIRST ST., San Jose. Addition.
Lessee—Paris Cloak & Suit House.
Architect—None.
Contractor—W. J. Moore, 75 Duane St., San Jose. $500

COTTAGE
HAWTHORNE ST. near San Pedro, San Jose. Five-room cottage.
Owner—H. C. Hunn, 399 Hobson St., San Jose.
Plans by Wesley Hastings, 524 E-St. James St., San Jose.
Contractor—J. McCombs, 214 Hobson St., San Jose. $5970

ALTERATIONS
FIRST AND SAN ANTONIO STS., San Jose. Alterations to second floor.
Owner—Pacific Coast Mer. Co., Inc.
Architect—H. N. Higbee, Porter Bldg., San Jose.
Contractor—Jas. Lemieux, 577 S-6th St., San Jose. $3500

APARTMENTS
FIFTH AND REED STS., San Jose. Four-room cottage apartments.
Owner—W. J. Scheller, 195 Reed St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Day's work. $1000

DWELLING, ETC.
LOCUST AND COLFAX STS., San Jose. Dwelling and garage combined.
Owner—Oscar McLean, San Jose.
Architect—None.
Day's work. $400

ADDITION
680 N-THIRTEENTH ST., San Jose. Addition.
Owner—M. Di Vitorna.
Architect—None.
Day's work. $500

COTTAGE
FIRST AND HOLLYWOOD STS., San Jose. Five-room cottage.
Owner—J. Raffanelli.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—Benj. Quimet, East and San Fernando Sts., San Jose. $3900

COTTAGE
TWELFTH ST. near Margaret, San Jose. Six-room cottage.
Owner—Tony Picetti, 55 Wilson St., San Jose.
Architect—Felix Savio, 44 N-River St., San Jose.
Contractor—Felix Savio, 44 N-River St., San Jose. $3500

ALTERATIONS
529 N-NINETEENTH ST., San Jose. Alterations.
Owner—J. W. Turner, Premises.
Architect—None.
Day's work. $490

ALTERATIONS
507 E-ST. JOHN ST., San Jose. Alterations.
Owner—Mrs. A. C. Thomas, 503 E-St. John St., San Jose.
Architect—None.
Day's work. $350

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Aug. 31, 1921—SAN JOSE. A E Olson to whom it may concern. Aug. 30, 1921
Aug. 30, 1921—SAN JOSE. Pete Dinapoli to C Maurer...Aug. 20, 1921
Aug. 30, 1921—PALO ALTO. Minnie Besby Grant to James Keegan.... .....August 1, 1921
Aug. 27, 1921—ON THE EAST SIDE of Cypress Ave. about 1000 feet from Stevens Creek Road, San Jose, Calif. G. T. Naso to M. Perino .....Aug. 27, 1921
Aug. 27, 1921—HIND ORCHARD CO. on Bollinger Road near San Jose, Calif. Hind Estate Co. to A. Megna .....Aug. 18, 1921
Aug. 27, 1921—PALO ALTO, Calif. Robert H Harcourt to whom it May Concern .....Aug. 25, 1921

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
3586 LYELL ST., Fresno. Dwelling.
Owner—E. R. Morris.
Architect—None.
Day's work. $2750

BUILDING
3545 LIBERTY ST., Fresno. Building.
Owner—John Miller.
Architect—None.
Contractor—E. R. Morris. $2850

DWELLING
324 N-VAN NESS AVE., Fresno. Dwelling.
Owner—Mrs. J. F. Hoefer, 1540 M St., Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S-Fourth St., Fresno. $11,500

ALTERATIONS
1137 O ST., Fresno. Alterations..
Owner—San Joaquin Light & Power Co.
Architect—None.
Day's work. $13,500

STORE BUILDING
1120 J ST., Fresno. One-story reinforced concrete store building.
Owner—Mrs. A. L. Wallace.
Architect and Contractor—R. F. Felchlin Co., Bank of Italy Bldg., Fresno, Calif. $99,074

DWELLING
1257 SAFFORD ST., Fresno, Calif. Dwelling.
Owner—Roy Martin, Olive and Nursery Sts., Fresno, Calif.
Architect—None.
Day's work. $5000

OFFICE BUILDING
G AND DIVISADERO STS., Fresno. Office building.
Owners—Thompson Bros., Premises.
Architect and Contractor—R. F. Felchlin Co., Bank of Italy Bldg., Fresno, Calif. $1000

OFFICE-SALES BLDG.
811-15 VAN NESS AVE., Fresno. One-story brick office and sales bldg.
Owner—Pete Droge, Fresno.
Lessee—Associated Oil Co., Fresno.
Architect—None.
Contractor — Pritchard Bros., Rowell Bldg., Fresno. $10,000

DWELLING
1001 PALM AVE., Fresno. Dwelling.
Owner—G. G. Blunt.
Architect—None.
Contractor—Geo. Christian, 53 G S Fresno. $20

DWELLING
229 ORCHARD ST., Fresno. Dwelling
Owner—G. R. Kendall, 1560 Van Ness Ave., Fresno.
Architect—None.
Day's work. $15

ADDITION
111 DIAMOND ST., Fresno. Addition
Owner—Hester Done, 321 Glenn S Fresno.
Architect—None.
Day's work. $7

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
Aug. 27, 1921—NO. 9 SEC. 1, 20-15 Fresno. Pacific Oil Co to whom i

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
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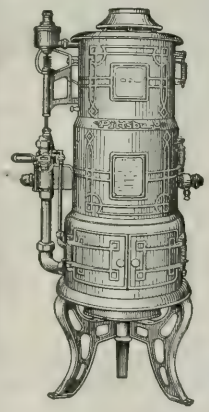
905 SIXTH STREET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may concern.....Aug. 26, 1921
Aug. 27, 1921—NO. 3 IN SEC. 29, 20-15, Fresno. Pacific Oil Co to whom it may concern.....Aug. 25, 1921
Aug. 25, 1921—PART LOT 2, Hedges, Cal. Hazel C Sparks to whom it may concern.....Aug. 25, 1921
Aug. 31, 1921—LOT 4 BLK 23, Alta Vista Tract, Fresno. Carl Gustafson to whom it may concern.....
.....Aug. 30, 1921
Aug. 30, 1921—LOT 1 in Sec. 1, 15-15, Fresno. W L Hall to whom it may concern.....Aug. 29, 1921

BUILDING CONTRACTS

SAN MATEO COUNTY

SCHOOL
LOTS 17, 18, 33, 34, 39 AND 40 BLK 5, City of Burlingame. All work except plumbing and heating for one-story frame plastered exterior school (Pershing Grammar School Building.)
Owner—Burlingame School District, Burlingame.
Architect—Ernest L. Norberg, 742 Market St., San Francisco.
Contractor—R. C. Stickle, South San Francisco.
Filed Aug. 27, '21. Dated Aug. 26, '21.
Ceiling joists set.....$5415
Roof and rough plaster in place 5415
Completed 5415
Usual 35 days..... 5415
TOTAL COST, $21,660
Bond, $10,830. Sureties, E. C. Peck & John McBain. Limit, 90 working days. Forfeit, $5. Plans and specifications filed.

6-ROOM BLDG., ETC.
LOT 22 BLK 24 EASTON ADD BURlingame No. 2, Burlingame. One 6-room frame bldg., including garage and fence.
Owner—R. A. Sanguinetti, Burlingame.
Architect—Gale D. Hills (not certified).
Contractor—W. O. Nicolaides, San Mateo.
Filed Aug. 30, '21. Dated Aug. 24, '21.
Frame completed, roof on.....$1850
Brown coat plaster..... 1850
Completed 1850
Usual 35 days 1850
TOTAL COST, $7,400
Bond, sureties, none; forfeit, $5; limit, 60 working days after Aug. 24, 1921. Plans and specifications filed.

BUNGALOW
LOT 12, BURLINGAME HEIGHTS. One-story frame and stucco bungalow and frame garage.
Owner—Martin Meyer.
Architect—Lewis Robertson.
Contractor—Lewis Robertson.
Filed Aug. 30, '21. Dated Aug. 23, '21.
Frame up.....$1687.50
Plaster in and outside..... 1687.50
Accepted 1675.50
Usual 35 days..... 1675.50
TOTAL COST, $6750.00
Bond, sureties, forfeit, limit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Aug. 29, 1921—LOT 11 BLK 42, Easton Addition No. 3 to Burlingame. Charles A McKinzie to J W Rutterdale.....Aug. 15, 1921

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

RESIDENCE
SOUTH OPHIR ST., Stockton. Residence.
Owner—N. O. Smith.
Architect—None.
Day's work. $800

APARTMENTS, ETC.
CENTER AND ROSE STS., Stockton. Apartments and store building.
Owner—Belle K. Jackson, 1245 North Center St., Stockton.
Architect—None.
Day's work. $8000

EVERETT SCHOOL DIST., near Town of Peters. Roofing for school.
Owner—Board of Trustees of Everett School District.
Architect—Chas. H. Young, Commercial and Savings Bldg., Stockton.
Contractor—Simpson-Gray Lumber Co., 124 W. Weber St., Stockton.
Dated Aug. 17, '21. Filed Aug. 30, '21.

ELECTRICAL WORK ON ABOVE.
Contractor—The Edison Electric Co., 119 N. San Joaqdin St., Stockton.
Filed Aug. 30, '21. Dated Aug. 17, '21.

PLUMBING AND SHEET METAL WORK ON ABOVE.
Contractors—Miller-Hays Co., 125 N. California St., Stockton.
Filed Aug. 30, '21. Dated Aug. 17, '21.

CARPENTRY, LABOR AND LUMBER ON ABIVE.
Contractor—Samuel Eyre, Tracy.
Filed Aug. 30, '21. Dated Aug. 17, '21.

EXCAVATING, CONCRETE AND TILE ON ABOVE.
Contractor—Chas. Miller, 1932 S. California St., Stockton.
Filed Aug. 30, '21. Dated Aug. 17, '21.

ADDITION
ORANGE AND WILLOW STS., Stockton. Addition to garage.
Owner—L. S. Wetmore, 329 W-Acacia St., Stockton.
Architect—Noen.
Day's work. $500

ALTERATIONS
35 NORTH CENTER ST., Stockton. Remodel front of restaurant.
Owner — Frank Prahser, 323 E-Magnolia St., Stockton.
Architect—None.
Day's work. $600

CONSTRUCTION OF NATIONAL ROAD IN PANAMA

Consul George Orr, at Panama City, reports that work has been started on the construction of approximately six miles of improved surface roadway from the "Casino" at Panama City to Old Panama. The amount of the contract is approximately $275,000, and the work has been contracted to be completed in four to five months' time. The portion of the road from Panama City to the Sabanas is subjected to the greatest amount of traffic and is to be constructed of concrete. The remaining portion from the Sabanas to Old Panama is to be built of an asphalt wearing surface on a macadam foundation. The roadway will be about 20 feet in width. This is a continuation of the road-building program started by the Republic of Panama about the beginning of the present year and is the third award which has been made since that time. The name of the contractor who will construct the road may be obtained from the Bureau of Foreign and Domestic Commerce or its district or co-operative offices upon reference to file No. 32259.

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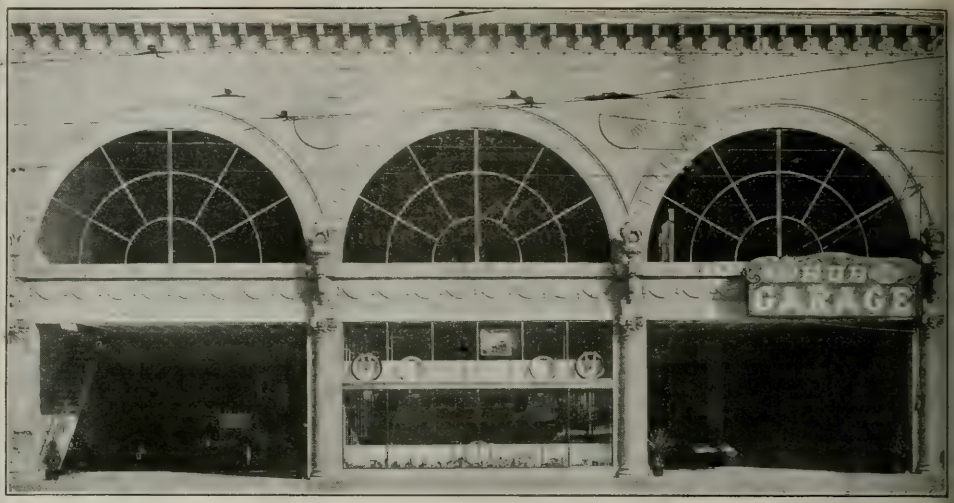

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SAN FRANCISCO, CAL., SEPTEMBER 10, 1921

Published Every Saturday
Twenty-first Year, No. 37

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday | SAN FRANCISCO, CAL., SEPTEMBER 10, 1921 | Twenty-first Year, No. 37

Building & Engineering News

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San Francisco, Calif.

MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

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Official Paper of Vallejo Builders' Exchange

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CALIFORNIA WEEKLY BANK CLEARINGS

Bank clearings, as reported to the California Development Association by the several clearing house cities for the week ending September 1, 1921, showing the amount of increase or decrease from the amount reported the corresponding week last year which was a 5 day week:

		Decrease
San Francisco	$110,900,000	$29,000,000
Los Angeles	67,017,000	*4,304,000
Oakland	9,374,779	233,430
Sacramento	4,543,451	1,635,284
Fresno, not reported in time.		
San Jose	1,594,124	457,089
Pasadena	2,214,877	169,243
Bakersfield	1,026,117	217,266
Long Beach	2,905,547	70,678
Santa Rosa not reported in time.		
Modesto	606,268	.....
Whittier	354,507	.....
San Bernardino	1,176,125	*984,370

*Increase

1917 HOUSING ACT TO CONTINUE IN EFFECT

Robert L. Shinn, City Attorney of Sacramento, has been advised by the State Commission of Immigration and Housing that the housing laws of 1917 will prevail in California because the Burnett Housing Act, which was passed by the last Legislature and was to have taken effect on September 1st, has been upheld by referendum.

In a letter to Shinn, R. Justin Smith, executive officer of the commission, states:

"The Commission regrets that owing to conditions over which it has no control, objectionable provisions were written into the Burnett Housing Act of such serious nature as to call for a referendum. It regrets even more that certain desirable changes were not included in the act and also that as a result of the referendum some good amendments contained therein cannot be taken advantage of."

Achievements of San Francisco Engineers Cited by Expert

San Francisco engineers have invented and developed cable car transportation, the Pelton water wheel, and the suction dredge, and have contributed largely to the development of the cyanide process, the centrifugal pump, the bucket dredge and the construction of buildings and other structures of reinforced concrete.

San Francisco has for fifty years supplied mine operators throughout the world with much of their equipment, which has been developed through California's long experience in extracting mineral values.

These are some of the facts revealed in an article prepared for the San Francisco Chamber of Commerce by A. T. Parsons, associated member of the American Society of Civil Engineers.

Among other statements of wide interest are these:

"Hydraulic mining was developed in Northern California, and the application of this method to other excavation work has been mainly due to the enterprise of San Francisco engineers.

"From the beginning of hydro-electric development, Northern California has played a major role in this field and now has the highest voltage transmission line in the world, with one of still higher voltage under construction, and the largest hydro-electric plant west of the Mississippi.

"Power companies having headquarters in San Francisco have total resources of $276,000,000 and produce more than 5 per cent of the power of the United States.

"The work of building the $45,000,000 Hetch Hetchy water and power project, the $4,500,000 drydock at Pearl Harbor, Hawaii, and of building construction in San Francisco since the great fire, including municipal, State, Federal and private projects, amounting almost to $500,000,000, has been carried out by San Francisco engineers."

The development of California and the adjoining states has been largely directed by San Francisco engineers and financed by San Francisco capital, while a considerable part of the mechanical equipment required for this development has been manufactured in San Francisco.

The development of California's natural resources has presented many problems for engineering genius to solve and the very presentation of difficulties has served to stimulate and bring to the front the highest talent available among students in the technical colleges, so that in bridge building, quartz and hydraulic mining, gold dredging, canal building, hydro-electric development, mechanical devices and patents, and in ship building, San Francisco engineers have been and are preeminent the world over.

Here are some of the California engineers who have attained distinction, and who are cited as types by Mr. Parsons: The late Herman Schussler, who at the age of 29 constructed three miles of 30-inch riveted pipe forming an inverted syphon across the Feather river; John Hayes Hammond and the late Hennen Jennings, whose engineering achievements in South Africa attracted attention throughout the world; Charles Butters, who helped develop the cyanide process in extracting gold values; the late J. H. Strobridge, whose track-laying record in building the Union Pacific has never been equaled; Andrew Halladie, who gave the world the first street railway cable car; E. A. Starks, chemical engineer, who was largely instrumental in evolving present methods of refining petroleum; E. C. Jones, whose process for the manufacture of illuminating and fuel gas from petroleum bears his name; R. A. Gould, who, while head of the Bureau of Chemistry for the Department of Agriculture, established standards for canned foods that now safeguard the health of the world; and Charles C. Moore and H. H. Connick, respectively president and construction engineer of the Panama Pacific International Exposition.

ELECTRIC HOUSE HEATING

With due regard to the selection of heaters of proper type and capacities, proper installation and reasonable care in operation, electric heating of homes and apartments is quite practicable under the electric rates now in effect throughout Northern California.

The electric rates available are generally designed to encourage cooking electrically and when this is done the water-heating and room-heating fall on a 2-cent and 1½-cent rate, which is comparable to the cost of gas and other fuel.

Every owner, architect or builder should thoroughly investigate the advantages offered by electricity in the ultra modern home before installing a less desirable system which must soon be discarded

No home or apartment house should be built hereafter without provision for present or future electric heating. A separate circuit of two wires not smaller than No. 12 should be provided from every room to the meter board or suitable center of distribution. These circuits should terminate in 20 amp. flush receptacles placed in the baseboards under the windows.—Wesley Hicks, Electric Heating Engineer.

SEEK HIGHWAY MATERIAL

Dr. Solon Shedd, geologist for Washington, states that an examination of the country between Rosalia and Dayton in Eastern Washington along the Inland Empire Highway to locate road building material, particularly gravel and sand for concrete work is to begin soon. The examination is being undertaken at the request of the State Highway Department as a project of the Department of Conservation and Development, D. A. Scott, commissioner.

The Observer

Building activities in Alameda during the month of August show a decrease of $28,844 in value, as compared with the month of July. During the month of August permits were issued for eight new buildings costing $23,-200. Alteration permits totaled $10,-997, making a grand total of $34,797.50 as compared with $63,141.50 for the preceding month.

An agreement has been reached in Cleveland, Ohio, between the National Window Glass Workers' Assn. and the National Assn. of Window Glass Manufacturers whereby the unions accept a 28% reduction in wages. Approximately 15,000 men and sixty factories are involved.

The Division of State Printing, Sacramento, Calif., for $7.50 per volume, will send you the guide book of California Laws.

To stimulate business, the Reading Iron Co., Reading, Pa., declared a reduction in the selling price of all kinds of pipe ranging from $10 to $12 a ton, effective September 1. This is the fourth reduction this year.

Frank P. Allen and E. H. Howard of Richmond, Calif., have formed a partnership and will operate under the name of Richmond Sanitary Plumbing Co., with headquarters at 309 Twenty-third St.

The Swayne Lumber Co., at Oroville, will not operate during the winter months, due to the condition of the lumber market, which does not warrant continuous operation. The date of closing, however, has not yet been determined.

In accordance with a law passed by the last Legislature, Governor William D. Stephens has appointed State Engineer W. F. McClure to represent California on a joint commission to determine the disposition of the waters of the Colorado River. Other states that will be represented on the commission are Arizona, Nevada, Wyoming, New Mexico, Utah and Colorado. A bill is now pending before Congress to authorize the representatives of these states to enter into an agreement relative to the disposition of the waters of the river for irrigation purposes.

Building activities in Modesto for the month of August made the best showing this year. Construction undertaken during the past month totaled $117,635, making a grand total of $699,-665 for the first eight months. Fifteen bungalows were erected during August.

Governor Stephens and the State Board of Control are planning to place the $2,960,000 issue of Capitol Extension bonds on the market. The governor is confident that within the next few weeks the bond market will be such that the issue will be readily sold.

One hundred and fifty homes are needed in Oroville, according to Wm. Boucher, manager of the Oroville Chamber of Commerce. It is the hope of the Chamber that businessmen of the city will aid in solving the housing question.

"On the Job with Smith Paving Mixers," is the title of a new Catalog (No. 409-B) issued by The T. L. Smith Company, 1125 32nd Street, Milwaukee, Wis. Copies will be furnished on request.

The City Council of Reno, Nevada, is strong for improvements. The 1921 street improvement program is hardly under way when preparations are started for the 1922 program.

Sale of several tracts of timber land on Feather river to the California Fruit Exchange for box manufacture has been arranged for by officials of the Western Pacific railroad. The fruit exchange owns a sawmill at Blaidsden.

Joseph Piasecki, 1219 First Ave., San Francisco, has applied for membership in the Builders' Exchange. Heretofore Mr. Piasecki has specialized in out-of-town work, but is now planning to establish a business in San Francisco. At the present time he is completing the Tomales Joint Union High School at Tomales, Marin County.

"American Lumberman" of Chicago has announced an advance of about $3 in southern pine and says improvement in market conditions keeps up in greater volume. Demand continues considerably diversified and consequently stock is moving for which there has been practically no market this year. Production, however, is curtailed. Some large saw mills are shutting down. Prices on some higher grades show rising tendency, particularly prices for railroad material, orders for which still come in fair volume.

Building construction in Sacramento undertaken during the month of August totaled $348,788.50, according to City Building Inspector Ben Covel. A total of 260 permits were issued.

Geo. A. Armes has resigned as president and general manager of the Moore Shipbuilding Co. Joseph Moore, vice-president of the company, has been selected to fill the vacancy. Ira Lillic will be vice-president and Lewis H. Cromwell, secretary-treasurer.

Extensive improvements are being made by the Western Pipe & Steel Co. on the old Shaw-Batcher Shipbuilding plant at South San Francisco. It is expected the plant will be ready for operation about October 1 for the manufacture of steel tanks and pipe, well casings, general plate construction, etc. About 500 men will be employed.

Building activities in Fresno during August almost doubled those of July, according to the City Building Inspector. Permits issued in August totaled $312,744. The July totals were $168,806. The total for the year up to September 1, is $2,437,158 of which $2,-015,595 is for new structures and $421,-563 for alterations and repairs.

A committee of thirty citizens will be appointed to draft a new building law for Stockton. L. A. Mills, Attorney, has been elected chairman with Arthur Towne, building contractor, vice-chairman and J. M. Burke, civil engineer, secretary. John T. Lewis, building contractor, H. B. Budd, civil engineer and Louis Stone, architect, have been appointed members of a special committee who will select members for the citizens' committee.

James B. Keister has resigned from the Berkeley City Planning Commission and Kellogg Van Winkle has been appointed to fill the vacancy.

A record number of permits, 3554, with a valuation of $7,015,861, were issued by the Los Angeles city building department during August, 1921. The previous record in number of permits was 3515 for September, 1920. Only three previous monthly records have exceeded seven millions valuation: September, 1920, and April and May, 1921, the last mentioned being the high record — $7,433,760. Compared with August, 1920, the month just closed shows an increase of 911 in number of permits and $45,549 in valuation. Housing activities during August, 1921, are represented by 1487 permits for dwellings, flats and apartments with an estimated valuation of $4,588,456, and providing for 1836 families. These structures represent 42% of the total number of permits and 65% of the total valuation for the month.

The Pacific Pipe Co. of San Francisco has purchased a site at the northeast corner of Twentieth and Cypress Sts., Oakland, and will immediately erect a 120x400-ft. structure on the property. The company manufactures valves and fittings and re-manufactures used pipe of all kinds.

O. W. Potter and A. M. Barton, former army captains, have opened an engineering office in Lodi. They will specialize in irrigation projects.

The Sanitary Drain Flusher Corp., Inc., Oakland, has been granted permission by Commissioner of Corporations E. C. Bellows to sell and issue 1497 shares of its common capital stock to Frank A. Rubischung and W. G. Donald in exchange for certain applications for U. S. letter patent trade mark and the assets of a certain business formerly conducted by them. It also is permitted to sell 1,000 shares of its preferred capital stock at par, $10, so as to net the full amount of the selling price. The shares issued to Robischung and Donald are to be deposited and held in escrow pending the further order of the commissioner.

Building permits issued by the Reno (Nevada) City Council during the month of August totaled $54,375. Twenty-three permits were issued.

Estimates on the cost of building show that there has been a cost decline of from 18 to 20 per cent within the past six months in Oakland. A school building that would have cost $90,000 six months ago can now be built at a saving of $18,000. A theatre that was to have cost $450,000 early this year when the plans were drawn can now be built at a saving of $100,-000. A bank that was considering plans for a 14-story building has made the statement that by waiting six months they have saved $100,000 a month.

(Continued on Page 15)

NOW IS THE TIME TO BUILD

(S. F. Call-Post)

Now is the moment to build. Now is the time—after all these months and years of stagnancy—when the people of San Francisco can safely begin again to build their homes, their factories and their office structures. The labor and employer situation is brighter than it has been. Prices of building material have dropped to a point where they are almost at the before the war level—and they will not go lower. They cannot drop again until the whole world situation is mended, and some of them will surely go higher.

Never, in fact, was the prospect for the safe investment of one's savings in a new home or a new building better than it is today. A man can do it today without the fear that if he waited six months he would be able to do it considerably cheaper. Money put in a building will not melt away, while the investor sits helplessly watching.

The price quotations on building material ought to be sufficient argument for those who hesitate. The cost of 1structural steel, erected has dropped from a former price, six months ago, of $150 to $170 a ton, to a present price of $110 to $120. Re-enforcing steel has dropped from 4¾ cents to 2½ cents a pound. Lumber was $38 to $43 a thousand feet; it is now $22 to $26 a thousand. Brick costs from 20 to 22 per cent less. Mortar is 25 per cent less. Plate glass has fallen from 25 to 30 per cent. Paint products have dropped 25 to 30 per cent. Rock, sand and gravel are 25 per cent down. Hardware is 20 per cent less. And plumbing goods have fallen 25 per cent.

These are the materials of production. Their cost is still 10 per cent above their level before the war, but they will not go lower. Higher freight rates make the difference and there is almost no possibility of any reduction in that direction.

The material men have lowered their prices to tempt the reluctant investor. They are almost certain to raise some of them again when the demand rises to its former height. In such a situation the man who builds first reaps the largest benefit.

No man needs to be convinced of the necessity and advantages of building and owning a home. All he wants is to be sure that he is building at the right moment. And that moment is certainly here.

HIGHWAY HAZARDS

Traffic saftey is an essential item in modern street and highway planning. The increase of motor driven traffic compels attention to the "safety factor" in pavement design. Deaths from automobile accidents almost keep pace with the rate of increase of motor vehicles. The National Safety Council says that more people are killed as a result of automobile accidents than from any other cause.

To decrease this death rate and the correspondingly high number of less serious accidents, every means which will tend to reduce highway hazards must be enlisted. Much is being done through safety campaigns and by instruction of drivers in the need of exercising every precaution. Such efforts are effective and indispensable. But it is necessary to supplement them by eliminating, as much as possible, the danger element in the pavement itself. This can be done by incorporating in the surface design those factors which help to minimize danger to traffic, and by selection of type of surface.

The engineer and the street or highway official can assume an influential part in the building of safer pavements. Location plays an important part in reducing highway hazards. Highway departments have been active in the work of eliminating grade crossings and blind turns. Longer curves with super-elevation have also become popular.

Still another item has a vital bearing on traffic safety—the character of the surface of the pavement. Pavements have different surface characteristics which affect safe driving. Weather conditions often cause changes in pavement surfaces which make driving over them a very real danger.

Wavy or uneven streets are always unsafe. Dust is dangerous. It may obsecure an approaching vehile until it is too near to avoid collision. Loose dirt or dust may hide dangerous holes. So many accidents are directly due to skidding that the danger element of a slippery pavement needs no comment.

The prevention of accidents from these causes resolves itself into a question of the choice of type of surfacing. Obviously, the safest pavement will be that pavement which will not become wavy or uneven, which is dustless, in which chuck holes will not form, and above all, which presents a skidproof surface under all weather conditions. Such a pavement will diminish highway hazards to a marked degree.

Highway and street officials have a distinct duty to the public in this matter of traffic safety. Traffic on our country highways, as well as on our city streets, has increased to such an extent and moves at such rates of speed that the "safety factor" in our pavements cannot be ignored by the builders.

Underwriters' Report on Fire Tests of Building Columns

A notable contribution to building science is the report on tests of building columns conducted at Underwriters' Laboratories during the last four years, which has just been issued. This investigation is the only one of its kind ever undertaken. Its object was to obtain information on which proper requirements for the more general types of columns and protective coverings could be based. The tests were conducted jointly by the Associated Factory Mutual Fire Insurance companies, The National Board of Underwriters and The Bureau of Standards, Department of Commerce.

In the report, which makes a book of nearly 400 pages, are chronicled a series of 106 tests of columns, of which 91 were fire tests and 16 were fire and water tests, to ascertain (1) the ultimate resistance against fire of protected unprotected columns as used in the interior of buildings and (2) their resistance against impact and sudden cooling from hose streams when in a highly heated condition. "While columns form the most important element in the strength of a building," says the report, "few representative tests have been made to determine their ability to suport load when exposed to fire, and fire experience has only a limited value, due to the many unknown variables involved. As a consequence, wide differences in requirements relating to protection against fire exist between municipal codes and other published regulations.

"The fire test series includes (1) tests of representative types of unprotected structural steel, cast iron, concrete-filled pipe and timber columns; (2) tests wherein the metal was partly protected by filling the re-entrant portions or interior of columns with concrete; (3) tests where the load carrying elements of the columns were protected by a 2-in. or 4-in. thickness of concrete, hollow clay tile, clay brick, gypsum block, and also, single or double layer of metal lath and plaster; (4) reinforced concrete columns with 2-in. integral concrete protection.

"The covering materitls for each class of protection were obtained from the main producing regions of the country, the object being to include samples from the principal mineralogical subdivisions that generally find application in building construction.

"The test columns were designed for a working load of approximately 100,000 lbs., as calculated according to accepted formulas, the amount varying somewhat for the different sections. The load was maintained constant on the column during the test, the efficiency of the column of its covering being determined by the length of time it withstood the combined load and fire pressure."

A few years ago the idea of using wood for the purpose of reinforcing concrete was embodied in patent granted to G. O. Case, who subsequently read a paper on the subject before the Society of Engineers, says the Engineering supplement of the London Times. Quite lately Signor Viscardini, an Italian engineer, has been considering the employment of wood for the same purpose in reinforced concrete beams. The reinforcement proposed consists of longitudinal strips of timber, nailed together at the ends and at intermediate points, and placed suitably for resistance to tension in the lower part of a beam. Stirrups for resistance to secondary stresses are formed of vertical strips of wood, sometimes nailed to upper longitudinal strips serving the double purpose of keeping the stirrups in place and of acting as compression reinforcement. The vertical members can be utilized further by allowing some of the lower ends to project through the under surfaces of the concrete, where they act as plugs for the attachment of ceilings and fittings.

IRON FROM SAND, IS CLAIM OF JAPANESE

According to advices received from Tokio, a new process by which sand-iron, or magnetic sand, may be converted into pig iron and thence into steel, has just been made public by Goro Matsukata and Dr. Asobu Naito.

The discovery, the scientists aver, will not only revolutionize the steel industry of Japan but of the world. The process is carried out by means of combining the sand iron with coke, using hot gas flames and making ferrocoke, from which iron can be easily taken.

Japan has little or no iron in any form which may be easily mined and this fact has made this country one of the biggest importers of iron, especially from England and the United States.

The discoverers assert that the new process will make Japan one of the biggest iron producing countries of the world, independent of England or the United States in the matter of iron imports.

There are 100 square miles in Alaska which can be used for agricultural purposes.

Building News Section

APARTMENT HOUSES

Plans Completed.
APARTMENT BLDG. Cost, $60,000
LONG BEACH, Los Angeles Co. Corner 19th Pl. and Ocean Blvd.
Three-story brick apartment house bldg. 55x145 (17 2 to 5-rm. apts.).
Owner—R. E. Bowden.
Architect—Hugh R. Davies, 514 Marine Bank Bldg., Long Beach.

Segregated Figures Being Taken—Bids Close Sept. 16, in the Afternoon.
APARTMENTS Cost, $73,000
SAN FRANCISCO. Vicinity of Larkin and Geary Streets.
Four-story and basement Class C 67-room apartment house.
Owner—Withheld.
Architect — Smith O'Brien, Bankers' Investment Bldg., San Francisco.

Plans Completed.
APARTMENTS Cost, $20,000
SAN FRANCISCO. E Twenty-second Ave. 100 N Lake Street.
Three-story frame (3) apartments.
Owner—Miss Laura Goodman, 86 West Clay Park, San Francisco.
Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.

Plans Completed.
APT. HOUSE Cost, $14,000
OAKLAND, Alameda Co., Calif. Mandana Blvd.
Two-story frame and stucco apartment house (4 3-room apts.).
Owner—Mrs. Harry Braund.
Architect — Jas. T. Narbett, Easton Bldg., Oakland.

Segregated Figures Being Taken.
APT. HOUSE Cost, $55,000
OAKLAND. Bellevue and Staten Aves.
Three-story and basement frame and stucco apts. (18 3, 4 and 5-room apts.). First unit.
Owner—Jas. T. Narbett.
Architect — Jas. T. Narbett, Easton Bldg., Oakland.

Plans Completed.
APT. HOUSE Cost, $32,500
SAN FRANCISCO. NW Leavenworth and Vallejo Sts.
Three-story and basement frame (12) apts.
Owner—Michael Dempniak, 355 Octavia St., S. F.
Architect—Not given.

Plans Completed.
APARTMENT HOUSE Cost, $18,000
BERKELEY. E College Ave 190 S Woolsey.
Two-story frame 18-room apartment house.
Owner—R. C. Woodburn, 155 Parkside Dr., Berkeley.
Architect—M. V. Mowbray, Jr., 4236 Foothill Blvd., Oakland.

Sketches Being Prepared.
APARTMENTS Cost, $12,000
OAKLAND, Alameda Co., Cal. Lakeshore Avenue.
Two-story frame and plaster apartments.
Owner—Joseph Sinai.
Architect—Jas. T. Narbett, Easton Bldg., Oakland.

To Be Done by Day's Work.
APARTMENTS Cost, $10,000
SAN FRANCISCO. W. Laguna 87.6 N. Pine.
Two-story and basement frame (4) apartments.
Owner—C. L. Wold, 40 Montgomery St., San Francisco.
Architect—None.

Sub-Figures to be Taken in About a Week.
APARTMENTS Cost, $——
SAN FRANCISCO. E Larkin 87-6 N McAllister Street.
Four-story and basement Class C apartment house building.
Owner—S. Hersko.
Architect—Not Given.
Contractor—W. S. King, 135 Webster St., San Francisco.
SPECIFICATIONS
Elevators; Exterior Finish, cement plaster; Grates, gas and coad; Heating, steam; Furnace, oil burning; Interior Finish, gum; Roof, T. & G.; Tile, glazed Waterproofing compound; Wall Beds; Button Lath and Metal Lath garbage chutes.

Segregated Figures to be Taken Next Week.
APARTMENTS Cost, $90,000
OAKLAND, Alameda Co., Cal. Wayne Avenue near Lake Merritt.
Three-story and basement frame and stucco apartment house (24 apts.)
Owner—Mrs. P. C. Renaud, 315 E-19th St., Oakland.
Architects — Schirmer-Bughee & Co., Thayer Bldg., Oakland.

BANKS

Contract Awarded.
BANK BLDG. Cost, $100,000
SANTA MONICA, Los Angeles Co., Cal. Fourth St. and Santa Monica Blvd.
One-story brick bank building 150x100.
Owner—Bank of Ocean Park.
Architect—None.
Contractor—D. D. Smith, 15 Zephyr Ave., Venice.

Brick Contract Awarded.
BANK BLDG. Cost, $35,000
FAIRFAX, Marin Co., Cal. NW Main and Ruffano.
One-story brick and reinforced concrete bank building.
Owner—Fairfax Bank.
Architect—A. J. Porporato, 619 Washington St., San Francisco.
The brick contract has been awarded to Thos. F. Mulcahy, 180 Jessie St., San Francisco. Figures on the balance will be taken later.

BONDS

SAN MATEO, San Mateo Co., Cal.—The $500,000 bond issue to purchase a site and finance construction of a new high school at Burlingame failed to carry.

ARBUCKLE, Colusa Co., Cal.—The election held to vote bonds of $90,000 to finance construction of a new school building failed to carry by two votes. Another election will be called. A six-room structure is planned. Plans are being prepared by Architect Jens C. Peterson, Peoples' Savings Bank Bldg., Sacramento.

MARTINEZ, Contra Costa Co., Cal.—Supervisors sell $6000 bond issue Oak Grove School District; proceeds of sale to finance construction of an addition to the present school.

SAN JOSE, Santa Clara Co., Cal.—Supervisors sell $15,000 bond issue of Burnett School District for a premium of $1; proceeds of sale to finance construction of a new school building.

NAPA, Napa Co., Cal.—County Supervisors sell $66,000 bond issue of Calistoga High School District for a premium of $1127.50. Norman R. Coulter, 46 Kearny St., San Francisco, prepared the plans, which call for a one-story reinforced concrete 12-room structure. The contract was awarded on May 23, 1921, to Bordwell & Zimmerman of Calistoga on their bid of $63,000.

CHURCHES

Plans Being Figured.
CHURCH Cost, $30,000
LOS BANOS, Merced Co., Calif.
One-story and basement reinforced concrete church.
Owner—Roman Catholic Church.
Architect—Chas. Fantoni, 550 Montgomery St., San Francisco.
Figures are being taken for a general contract.

VALLEJO, Solano Co., Cal.—All bids received by the Trustees of the First Baptist Church of Vallejo have been rejected as being too high. Slight changes will be made in the plans and new bids opened on September 12th or 13th. Plans were prepared by Architects E. C. Hemmings, Ochsner Bldg., Sacramento, and W. A. Jones of Vallejo, Associated. Following is a complete list of the bids received on September 6th:

W. C. Duncan & Co., Sharon Bldg., San Francisco	$56,800
Clinton Constr. Co., S. F.	63,846
Betz & Maybrey, Sacramento	64,990
Lewis Tagnon, Vallejo	68,000

FACTORIES & WAREHOUSES

Plans Completed—Figures to be Taken in a Few Days.
WHOLESALE BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. Third & Broadway.
Two-story reinforced concrete wholesale building.
Owner—Tillman & Bendel, Harrison & Embarcadero Sts., San Francisco.
Architects — Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Contract Awarded.
REPAIR SHOP Cost, $25,000
SACRAMENTO, Cal. 12th and D Sts.
One-story brick auto repair, paint shop, etc.
Owner—Bowman's Carriage Co., Sacramento.
Architect—Frederick S. Harrison, Sacramento.
Contractor—A. W. Norris, Sacramento.

Contract Awarded.
LOFT BLDG. Cost, $280,000
LOS ANGELES. Corner 7th and Bixel Sts.
Ten-story reinforced concrete loft bldg.

Owner—W. W. Paden and associates.
Architect—E. L. Mayberry and L. L. Jones, Citizens Natl. Bank Bldg., Los Angeles.
Contractor—Henry Leonardt, H. W. Hellman Bldg., Los Angeles.

Plans Being Prepared.
COLD STORAGE BLDG. Cost, $——
LOS ANGELES.
One-story brick and concrete cold storage building for Juvenile Hall.
Owner—Los Angeles County.
Architect—Wm. Davidson, Chief County Mechanical Engineer, 10th floor Hall of Records Bldg., Los Angeles.

Being Done by Day's Work.
FACTORY Cost, $——
OAKLAND, Alameda Co., Cal. NE 20th and Cypress Streets.
One-story frame and corrugated iron factory building.
Owner—Pacific Pipe Co., 201 Howard St., San Francisco.

Plans Being Completed.
COOLING PLANT Cost, $15,000
TRACY, San Joaquin Co., Calif. Three miles west of Tracy.
Cooling plant (to replace structure destroyed by fire).
Owner—Naglee Burk Dairymen's Assn.
Architect—Wieland & Mauzerette, Modesto, Calif.

Plans Being Prepared.
FACTORY Cost, $750,000
OAKAND, Alameda Co., Cal. End of E-Fourteenth St. at City Limits.
Two-story reinforced concrete automobile factory with 4 wings (exterior dimensions about 800x800).
Owner—Durant Motors Co.
Structural Eng.—H. J. Brunnier, Sharon Bldg., San Francisco.
Mechanical Eng.—Hunter & Hudson, Rialto Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.
There will also be an office building and other buildings. It is planned to start construction in about sixty days.

LOS ANGELES, Cal.—The L. A. & Salt Lake branch of the Union Pacific Ry. System, P. E. Bldg., Los Angeles, will erect a freight depot on Hunter St. between Lemon and Alameda Sts., in Los Angeles. The State Railroad Commission has granted an application for four track permits. The preliminary plans provide for a 2-story and basement general freight office building, 60x200 ft., and a 1-story freight house, 60x600 ft. The construction will be of reinf. concr. Plans will be completed at once; $250,000.

WILLOWS, Glenn Co., Cal.—William H. Stewart of Glenn is planning the erection of a large rice elevator at the Southern Pacific siding at Ruiz, about ½ miles south of Willows. The plant will be equipped with cleaners and driers, and will have a capacity of from 1,000 to 2,000 bushels per hour, which, figured on a basis of about 1,500 bushels to the car, means in the neighborhood of 18 carloads a day. The bins will be of corrugated iron construction.

RICHMOND, Contra Costa Co., Cal.—Indications are that early construction will be started here on the proposed plant of the Republic Steel Package Co. of Cleveland, Ohio. Spur tracks to serve the plant have been built and, it is said, steel for construction is now being shipped from the East.
The Big Four Truck Co. of Sacramento has purchased an eleven-acre site adjoining the site of the Cleveland concern, and is planning early construction of a plant for the manufacture of auto trucks. The main building will be 350 by 70 feet and will have a steel frame. Powerful overhead cranes will be installed. Plans are being completed by the company's engineer.

GARAGES

Contract Awarded.
GARAGE Cost, $27,000
OAKLAND, Alameda Co., Cal. SW 7th and Clay Sts.
One-story concrete garage.
Owner—Joseph Rosenberg, 1250 Pine St., San Francisco.
Architect—None.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

GOVERNMENT WORK AND SUPPLIES

Navy Department, Washington, D. C., Office of the Chief of Bureau of Yards and Docks.—Bids are wanted until October 5, specification 4494, for boiler-plant equipment at the hospital reservation, San Diego. Address above.

WASHINGTON, D. C.—Following bids were received by Supervising Architect, Treasury Department, for alterations to U. S. Post Office at Eugene, Ore.:
Charles H. Bilderbach, Eugene, Oregon, $6,700.
Theriault Construction Co., Philadelphia, $18,484.
G. Alfred Sorber, Poraland, Oregon, $22,804.
Hillard & Pierce, New York City, $9,488.
Geo. E. Wright, Chicago, $10,960.
Garber & Cissel, Bethlehem, Pa., $12,500.

WASHINGTON, D. C.—Until Sept. 19, 10:30 a. m., bids will be received by Purchasing Officer, The Panama Canal Commission, for fur. and del. under Circular No. 1458: 50 annealed nickel chrome steel rack castings for dipper handles, 500 pieces rolled tempered manganese fronze, 72 bronze bars, 120 steel guide bars, 40,000 brass washers for paper fasteners, 2 reams railroad cardboard.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials: date for opening bids as noted at end of each paragraph:
Schedule 8672, various eastern and western yards, miscellaneous quantity of electric drills and grinders, opening of September 27.
Schedule 8701, eastern and western yards, drill chucks, opening of September 23.
Schedule 8702, eastern and western yards, 14,700 pneumatic chisel blanks, opening of September 23.
Schedule 8703, all yards, combination side cutting and round nose pliers, opening of September 23.
Schedule 8705, Mare Island, 30,000 class B steel bolts, opening of September 23.
Schedule 8708, Mare Island, 100 reams emery cloth, opening of September 23.
Schedule 8709, Puget Sound, 77,000 pounds black flat soft steel, opening of September 23.
Schedule 8714, various navy yards, American white oak blocks, opening of September 9.
Scehdule 8715, various eastern and western yards, miscellaneous quantity of reamers and arbors, opening of September 30.
Schedule 8717, various eastern and western yards, miscellaneous quantity of twist drills, opening of September 30.
Schedule 8718, various eastern and western yards, miscellaneous quantity of vises, opening of September 30.
Schedule 8720, Puget Sound, 2 dynamo condenser condensate centrifugal turbine driven pumps with miscellaneous spare parts, opening of September 27.
Schedule 8733, for Mare Island, miscellaneous quantity of electric wire and cable, opening of September 30.
Schedule 8737, for Mare Island, miscellaneous quantity of lamp cord and electric wire, opening of September 27.

SAN FRANCISCO.—Until Sept. 16, 10 a. m., under Circular No. 22-18, bids will be received by Quartermaster Supply Officer, Fort Mason, for fur. and del. 400 casting brushes, hardwood block about 2¼ ins. by 8 ins. flat steel wire brush about 3 ins. long, 4 rows. Bidder to submit sample.

WASHINGTON, D. C.—The following bids were received on September 7th by the Bureau of Yards and Docks, Navy Department, for constructing a quay wall at the Naval Station in San Diego, under Specification No. 4484:
Ross Constr. Co., Sacramento...$129,563
Healy-Tibbitts Constr., S. F..... 135,800
San Francisco Bridge Co., S. F. 139,000
Hannah Bros., San Francisco... 154,000

HALLS AND SOCIETY BUILDINGS

Plans Being Figured—Bids Close Sept. 15, 1921.
COMMUNITY BLDG. Cost, $40,000
FORT BRAGG, Mendocino Co. Two-story frame community building (auditorium, swimming pool, etc.)
Owner—Fort Bragg Community Center Cptn.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Figures are being taken for a general contract and plans may be obtained from the architect's office.

Sketches Approved—Working Drawings Ordered.
CLUB BLDG. Cost, $——
BERKELEY, Alameda Co., Cal. SW College Ave. and Bancroft Way.
Five-story reinforced concrete (with tile roof) Club building.
Owner — College Women's Club of Berkeley.
Architect — Walter T. Steilberg, 908 Flatiron Bldg., San Francisco.
Figures will **not** be taken until January, 1922.
The first floor will contain an auditorium, restaurant, and two small shops, grouped around an arcaded patio. The main rooms of the club will be on the second floor, also grouped around this court, with doors opening out upon the terraces above the arcades. The third and fourth floors will be devoted to apartments consisting of living room, kitchenette and bath. The fifth floor will consist of sleeping rooms with private baths. There will be a small garage in the basement; and in the back of the auditoriuh, approached through a small garden court, will be a standard 20 by 60 feet swimming pool, with its dressing rooms and showers and a hairdressing parlor adjacent. The building will be provided with steam heating and garbage incinerating plants.

Plans Being Figured
LODGE BLDG. Cost, $70,000
VALLEJO, Solano Co., Cal. Main St.
Three-story frame and palster lodge building.
Owner—Vallejo Council No. 874, Knights of Columbus.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
NOTE—Figures are being taken for a general contract.

Plans Completed.
CLUB BLDG. Cost, $14,000
TAFT, Kern Co., Calif.
Frame club building 48x115.
Owner—Women's Improvement Club.
Architect—Chas. Bigger, 1st Natl. Bank Bldg., Bakersfield. Calif.

WEAVERVILLE, Trinity Co., Cal.—The County Supervisors have voted to levy a direct tax of $12,000 to finance construction of a memorial hall honoring soldiers who gave their lives in the world war.

LONG BEACH, Cal.—Architect W. Horace Austin, 221 First Nat. Bank Bldg., Long Beach, has completed plans and bids will be taken shortly from member contractors only, for the erection a part two and part four-story and basement chamber of commerce building, to be erected on Ocean Blvd. and Elm Way, Long Beach, for the Long Beach Chamber of Commerce.

COURTLAND, Sacramento Co., Cal.—Franklin Lodge, No. 143, F. and A. M., Hall Assn. granted permission by Commissioner of Corporations to sell and issue securities to finance construction of a $24,000 lodge building and the purchase of $5000 in equipment for same.

SAN FRANCISCO—Competitive plans are being prepared by five San Francisco architects for the development of the site for the new Masonic Home of California at Decoto, Alameda County. One building of the group will be erected immediately and will cost in the neighborhood of $200,000.

The competition will close about October 6th. The following is a list of the architects participating:

Wm. Mooser, J. W. Dolliver, P. Righetti, Carl Werner and B. J. Joseph.

Architect Sylvain Schnaittacher, 233 Post St., San Francisco, has been selected as official adviser.

HOSPITALS

Contract Awarded.
INSTALL BOILER Cost, $17,000
SAN FRANCISCO. Clay between Buchanan and Webster Sts.
Install Sterling Wate Tube boiler.
Owner—Stanford University, premises.
Engineers—Hunter & Hudson, Rialto Bldg.
Contractors—Mangrum & Otter, Inc., 827 Mission St.

SAN JOSE, Santa Clara Co., Cal.—J. H. Miller, 101 South 16th St., San Jose, at $24,980, has been awarded a contract by the supervisors to construct an addition to the nurses' cottage at the county hospital, Infirmary Rd. Other bidders were:

Al Compton	$25,489.00
Chas. S. Collins	34,173.55
Morrison Bros.	27,893.00
R. O. Summers	28,600.00

HOTELS

Plans Being Prepared.
HOTEL Cost, $——
LODI, San Joaquin Co., Cal. Corner Main and Oak Sts.
Two-story brick hotel.
Owner—Ernesto DeMartini.
Architect—J. F. Watson, Lodi, Calif.

Plans Being Completed.
HOTEL Cost, $18,000
LODI, San Joaquin Co., Calif. South Main St.
Three-story brick hotel (28 rooms).
Owner—William Tialoi.
Architect—J. F. Watson, Lodi, Calif.

POWER PLANTS

Plans Being Prepared.
SUB-STATION Cost, $——
VACAVILLE, Solano Co., Cal.
Large reinforced concrete sub-station.
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—Engineering Department of Owner.

Preliminary work on the site has been started by the company's forces.

PUBLIC BUILDINGS

Plans Being Prepared.
ADDITION Cost, $150,000
LOS ANGELES, Cal.
Brick addition, 100x175, to Museum Building.
Owner—Los Angeles County.
Architect—Wm. Davidson, Chief County Mechanical Engineer, 10th Floor, Hall of Records Bldg., Los Angeles.

Plans Completed.
POST OFFICE BLDG. Cost, $10,000
SAN FRANCISCO. SE Post and Avery Sts.
One-story brick branch postoffice building.
Owner—Avery-Fuller Children's Center, 2320 Funston Ave.
Architect — Herman Barth, Phelan Bldg., San Francisco.

GLENDORA, Los Angeles Co., Cal.—J. C. Bannister, 903 N. Mariposa Ave., Los Angeles, was awarded the general contract at $30,365 for erecting a brick city hall and municipal building at Glendora. Alfred W. Rea and Chas. E. Garstang, 903 Trust & Savings Bldg., Los Angeles, are the architects. The plumbing was awarded to C. Campbell, Glendora, at $1800; and painting to Alhambra Wall Paper & Paint Co. at $1720. The bids on heating and wiring were taken under advisement. The building will contain city offices, council chamber, jail, police station and fire department. The bids received were as follows:

General Contract—J. C. Bannister, $30,365; Darrell Condley Co., $31,800; Houghton & Anderson, $32,766; Joseph Thompson, $32,860; McFadden & Winkelman, $33,800; Dawson & Seward, $34,152; H. H. Peterson, $34,382; Mans Hooper, $34,878; E. C. English, $35,000; T. Bennett, $36,283; Wildey & Dixon, $36,350, and Jarboe & Murray, $36,784.

Plumbing—C. Campbell, $1800; E. E. Miller, $1914.25; F. D. Reed Plumbing Co., $2078; Thos. Haverty Co., $2197, and W. P. McArthur, $2206.

Heating — Potter-Strutz Radiator Corp., $1989; Pacific Gas Radiator Co., $2100; Williams Radiator Co., $2500 and an alternate at $1286.60, and W. P. McArthur, $1432 for steam heating.

Electrical Work—Standard Electric Co., $595; Golden State Electric Co., $607; Woodill-Patterson Co., $674; Winder & Jones, $675; Bashore Electric Co., $675; Hall & Son, $775, and American Electric Constr. Co., $900.

Painting—Alhambra Wall Paper & Paint Co., $1720; A. E. Lindgren, $1723; R. Zelinsky, $1872; Arenz-Warren Co., $1950, and Swan & Sebastian, $2155.

WATSONVILLE, Santa Cruz Co., Cal.—Following bids were received by City Council for painting city auditorium and referred to Building Committee for report:

Vail's Paint Store—Labor and Material, $888.48; paint alone, $2.80 a gallon.

McVicar & Seekins—$1125. Labor alone, $725. Sides stained, front painted and trimmed, $846.

J. A. Mohr & Son, San Francisco—Labor and material, parti-color, $704; all one color, $640; material only, $307; labor, $397, parti-color; all one color, $333.

Machine Spray Paint Co.—$750. Sides and back oxide and linseed oil, front lead and oil, $595. Spray work only, $200; labor only, $325.

R. Zelinsky, San Francisco—Material, $200; labor, $487.

Zeb Knott, Richmond—$1000. 125 gallons paint, $368.75; labor only, $650.

Roman Paint Co., San Francisco—Paint alone, linseed oil and white lead, five-year guarantee, f. o. b. Watsonville, $2.70 gallon.

SAN JOSE, Santa Clara Co., Cal.—R. O. Summers, 17 North First St., San Jose, only bidder at $572, was awarded a contract by the supervisors for alterations in office of county assessor; work to be completed in 30 days.

ALAMEDA, Alameda Co., Cal.—Standard Fence Co., 60th and Lowell streets, Oakland, at $1490, submits low bid to City Council for constructing permanent backstop for baseball field in Washington Park Annex. West Coast Wire and Iron Works, 806 Howard St., San Francisco, submitted only other bid.

LOS ANGELES, Cal.—Wm. Davidson, Chief County Mechanical Engineer, 10th Floor, Hall of Records, Los Angeles, is preparing plans for alterations in the Los Angeles County Court House to provide quarters for three additional Superior Court departments; also plans for additional rooms for jurors, and general alterations in ten court rooms.

RESIDENCES

Contract Awarded.
RESIDENCE Cost, $3,000
BERKELEY, Alameda Co., Cal. S Canyon Road 600 E Panoramic Way.
Two-story 5-room frame dwelling.
Owner—Mrs. L. F. O'Connor.
Architect—W. T. Steilberg, Flatiron Bldg., San Francisco.
Contractor—C. P. Kreischer, 36 Panoramic Way, Berkeley.

Plans Being Prepared.
RESIDENCE, ETC. Cost, $16,000 to $17,000
PIEDMONT, Alameda Co., Calif.
Two-story and basement frame, plaster and brick residence, 11 rooms and garage.
Owner—Dudley Dexter.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Plans will be ready for segregated figures in about two weeks.

Plans Being Figured.
BUNGALOW Cost, $5,000
VALLEJO, Solano Co., Calif.
One-story frame and plastered bungalow.
Owner—T. Park Jacobs, Vallejo, Calif.
Architect — Jas. T. Narbett, Easton Bldg., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $14,000
BURLINGAME, San Mateo Co., Calif.
Two-story and basement frame and stucco residence with terra cotta roof (9 rooms, 2 baths).
Owner—H. W. Lunceford, Burlingame.
Architect — Jas. T. Narbett, Easton Bldg., Oakland.

Plans Being Prepared.
RESIDENCE, ETC. Cost, $50,000
LOS ANGELES. Laughlin Park on a 3-acre site.
Two-story and basement frame and pastered 12-room residence (garage with sevants' apartments, elaborate garden, patio, fountain, drives, etc.).

Owner—Mary Miles Minter.
Architect and Contractor—Frank Meline Co., 6779 Hollywood Blvd., Los Angeles.
There will be a pipe organ installed.

Contract Awarded.
RESIDENCE, ETC. Cost, $——
LOS ANGELES. Hillhurst Pl. near Griffith Park.
Two-story frame and stucco, tile roof, elaborate residence, 9 rooms (landscaping, concrete cascade, swimming pool, driveways, etc.).
Owner—Charles Seylar, general agent for National Surety Co.
Architect and Contractor—Frank Meline Co., 6779 Hollywod Blvd., Los Angeles.

Plans Being Prepared.
RESIDENCE Cost, $10,000
SAN FRANCISCO. Chestnut between Franklin and Van Ness Ave.
Two-story frame and plaster residence (9 rooms) and garage.
Owner—V. A. Valente.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $25,000
SANTA ROSA, Sonoma Co., Cal. St. Rose Parish on B Street.
Two-story and basement frame and plaster parochial residence (16 rooms).
Owner—Roman Catholic Archbishop of San Francisco. (Rev. J. V. Long, Pastor).
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
NOTE:—Figures are being taken for a general contract.

Being Done by Day's Labor.
RESIDENCE Cost, $——
VACAVILLE, Solano Co., Cal.
Two-story frame and plaster residence and separate garage (10 rooms and 3 bathrooms).
Owner—C. M. Hartley, Vacaville, Cal.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Plans Completed.
RESIDENCE Cost, $8000
SAN FRANCISCO. NE 29th Ave and Anza St.
One-story basement and frame residence.
Owner—Mildred T. Taubles.
Architect—W. H. Crim, 425 Kearny St., San Francisco.

SCHOOLS

Figures to Be Taken Shortly.
SCHOOL BLDGS. Cost, $——
DOWNEY, Los Angeles Co., Cal.
Third unit group of reinforced concrete high school buildings.
Owner—Downey High School District.
Architect—W. Horace Austin, 221 First Natl. Bank Bldg., Los Angeles, Cal.

Plans Being Figured—Bids Close Sept. 14, 1921, 9 A. M.
SCHOOL BLDG. Cost, $——
LOS ANGELES, Cal. Bridge St. and Boyle Ave.
Eight-room brick school bldg.
Owner—Los Angeles Board of Education.
Architects—Hudson & Munsell, Douglas Bldg., Los Angeles.
Separate bids will be taken for general work, plumbing, electric wiring, heating and painting.

Plans Being Figured—Bids Close Sept. 16, 1921, 7:30 P. M.
SCHOOL ADDN. Cost, $——
LONG BEACH, Los Angeles Co. Los Cerritos School.
One-story brick 5-room addition to school.
Owner—Long Beach School District.
Architect—W. Horace Austin, First Nat. Bank Bldg, Long Beach.

Plans Being Figured—Bids Close Sept. 14, 1921, 9 A. M.
SCHOOL ADDN. Cost, $25,000
LOS ANGELES, Los Angeles Co. Vernon Ave. and Olive St.
Addition to West Vernon Ave. school.
Owner—Los Angeles Board of Education.
Architect—W. C. Pennell, San Pedro.
Plans may be obtained from the secretary's office, at 730 Security Bldg., Los Angeles.
Separate bids will be received for a general contract, painting, electric wiring, plumbing and heating.

Plans Being Prepared.
SCHOOL Cost, $35,000
NOVATO, Sonoma Co., Calif.
One-story frame and plaster school (5 or 6 rooms).
Owner—Novato School District.
Architect—Walter H. Parker, 57 Post St., S. F., and Kentfield, Calif.
An election will be held on Sept. 17 to decide the question of issuing and selling bonds of $35,000 to finance construction of the school.
The trustees of the district are: Elodie S. Cole, Mrs. Clara B. Carlile and Guy E. Gage.

Plans Being Prepared.
LAVATORY Cost, $11,000
FRESNO, Fresno Co., Cal.
One-story lavatory building (to house modern toilet equipment, water pressure and heating systems).
Owner—Roosevelt School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Preliminary Plans Being Prepared.
SCHOOL BLDG. Cost, $40,000
LOS ANGELES. Corner Santa Monica Blvd. and Kenmore Ave.
Two-story brick and plaster school building 90x95 ft. for the Immaculate Heart of Mary Parish School.
Owner—Bishop of Monterey and Los Angeles.
Architect—H. H. Hewitt and M. L. Barber, 1130 Van Nuys Bldg., Los Angeles.

Plans Being Figured—Bids Close Sept. 23, 1921, 7:30 P. M.
SCHOOL BLDGS. Cost, $——
DOWNEY, Los Angeles Co., Cal.
Three concrete high school buildings.
Owner — Downey Union High School District.
Architect — John C. Austin, Baker-Detwiler Bldg., Los Angeles.
Separate bids will be taken on a general contract, gas, heating, plumbing, electric wiring, clock system and painting.

Bids to Be Advertised for in a Few Days.
SCHOOL BLDG. Cost, $70,000
RICHMOND, Contra Costa Co., Cal. High School site.
Two-story and basement hollow tile Domestic Science Bldg.
Owner—City of Richmond School District.
Architect—Jas. T. Narbett, Easton Bldg., Oakland.
NOTE:—Plans will be before the Board tonight for final approval.

Plans Completed — Figures to be Taken Shortly.
SCHOOL Cost, $161,000
BURBANK, Los Angeles Co., Cal.
Brick school building.
Owner—Burbank High School District.
Architects—Allison & Allison, Hibernian Bldg., Los Angeles.

Plans Being Completed.
HIGH SCHOOL ADD. Cost, $——
FULLERTON, Orange Co.
Two one-story reinforced concrete wing additions to high school.
Owner—Fullerton Union High School District.
Architect—Carleton M. Winslow, 134 Van Nuys Bldg., Los Angeles.

Opening Date Postponed—Bids Close Sept. 17, 1921, 8 p. m.
SCHOOL Cost, $45,000
WILLITS, Mendocino Co., Cal.
One-story reinforced concrete school (10 rooms).
Owner—Willits Grammar School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
NOTE:—The date of opening bids has been postponed from Sept. 10th to Sept. 17th.
Plans may be obtained from Mr. Coulter's office.

Segregated Bids to Be Advertised For in a Few Days.
SCHOOL BLDG. Cost, $12,000
MANTECA, San Joaquin Co., Cal. Summer Home School District, near Manteca.
One-story brick school.
Owner—Summer Home School District.
Architect—Chas. H. Young, Commercial & Savings Bank Bldg., Stockton.

Contract Awarded.
SCHOOL BLDG. Cost, $11,783
SAN JOAQUIN CO., CAL. Atlanta School District.
One-story frame school.
Owner—Atlanta School District.
Architect—Chas. H. Young, Commercial and Savings Bank Bldg., Stockton.
Contractor—D. W. Baysinger, Manteca, Calif.
The following bids were also received:

Rasmussen	$11,750
W. J. Scott	12,125
Ubel & Van Till	12,350

The bid of Mr. Rasmussen did not include the bond, so was not considered.

Plans Being Prepared.
ADDITION Cost, $——
LOS ANGELES, Cal. 4511 Pasadena Ave.
Three-story frame addition to dormitory 40x150, 40 rooms.
Owner—Page School for Girls.
Architect—Benj. J. Bloser, Consolidated Realty Bldg., Los Angeles.

COALINGA, Fresno Co., Cal.—Until Sept. 22, 7 P. M., bids will be received by C. L. Geer, principal, Coalinga Union High and Intermediate Schools, for furnishing and delivering commercial classes' equipment; radio equipment; flooring large room; sanding large room; repairing plastering; calcimining; 3 concrete tennis courts, etc. Specifications may be had from the Secretary.

MERCED, Merced Co., Cal.—Until Sept. 19, 8 p. m., bids will be received by John T. Haines, Clerk, Farmdale School District, Boyer Ave. and Tyler St., Merced Colony, Merced, for grading the school lot, etc. Certified check 10% required with each bid. Specifications may be had from clerk.

PALO ALTO, Santa Clara Co., Cal.—The Trustees of the Ravenswood School District invite proposals for installing a new heating plant. Four rooms and assembly hall. Details may be obtained of L. H. Brown, Clerk, 275 University Avenue, Palo Alto.

ALHAMBRA, Los Angeles Co., Cal.—Robert E. Millsap, 423 Marsh-Strong Bldg., Los Angeles, was the lowest bidder at $29,600 and will be awarded the contract for excavating, concrete and carpenter work for erecting an 8-room grade school building at Alhambra. Allison & Allison, 1405 Hibernian Bldg., Los Angeles, is the architect. J. F. Kobler, 918 W. 8th St., Los Angeles, will probably be awarded the contract for masonry. There were two lower bids but both contractors conditioned their bids on securing contract No. 1 also. The low bidders on the other contracts were: California Cornice Works on the sheet metal work at $540; R. G. Blessing on tile roofing at $2900; Standard Roof Co. on composition roofing at $275; Jas. P. Walsh, 336 16th St., Long Beach, on plastering at $4360; T. N. Fierce on blackboards at $2185.75; E. A. Lindgren on painting at $3234; Golden State Electric Co. on electrical work at $1007; Moorhead Plumbing Co. on plumbing at $4180; Bennett-Montgomery Hardware Co. on hardware at $1573; and Thos. Haverty Co. on heating at $2396. The bids received were as follows:

Concrete and Carpenter Work—Robt. E. Millsap, $29,600; (a) deduct if two rooms are omitted, $2400; (b) deduct if cement walks are omitted, $230; J. F. Kobler, $31,251; (a) $1749; (b) $260; Dawson & Seward, $33,361; (a) $2294; (b) $168; Farley & Farley, $35,775; (a) $2250; (b) $250; Wopschall Bros., $36,-271; (a) $3042; (b) $150.

Masonry—J. F. Kobler, $18,715; for ruffled brick facing; (a) $17,392 for blue brick facing; (b) deduct for omitting two rooms and using ruffled brick, $1608; (c) deduct for omitting two rooms and using blue brick, $1338; Wopschall Bros., $17,464; (a) $16,864; (b) $1200; (c) $1100; Dawson & Seward, $18,555;(a) $17,750; (b) $1525; (c) $108; Henry Reimers, $19,950; (a) $19,600; (b) $1000; (c) $900; Robert E. Millsap, $21,490; (a) $21,120; (b) $1100; (c) $1060; H. E. Kneer, $22,700; (a) $22,-050; (b) $1100; (c) $900.

Sheet Metal—California Cornice Works, $540; (a) deduct if two rooms are omitted, $42,80; Emil Brown, $643; (a) $53.20; Pomona Sheet Metal Works, $735; (a) $72; Munger & Munger, $891; (a) $100.

Tile Roof—R. G. Blessing, $2900; (a) $500; C. L. Passmore, $2950; (a) $590.

Composition Roofing—Standard Roof Co., $275; Warren & Bailey, $280; and Johns-Manville Co., $297.60.

Plastering—James P. Walsh, $4360; (a) $536; J. F. Kobler, $4648; (a) $438; C. H. Anderson, $4711; (a) $427; Robt. E. Millsap, $5190; (a) $475; Howard Booher, $6116; (a) $650; Bert Dequine, $6220; (a) $612.

Blackboards—T. N. Fierce, $2185.75; (a) $334; C. F. Weber Co., $2187; (a) $380; Rucker-Fuller Desk Co., $2202.90; (a) $390.60.

Painting—E. A. Lindgren, $3234; (a) $235; (b) $1060; Albert N. Brown, $3865 (a) $320; (b) $1810; Arenz-Warren Co., $3900; (a) $400; (b) $1800; D. Zelinsky & Son, $3945; (a) $1895; (b) $1640; W. R. Gorrell & Son, $5831; (a) $480; (b) $1607.

Electrical Work—Golden State Electric Co., $1007; (a) $107; Standard Electric Co., $1046; (a) $115; Renard & Stary, $1109.50; (a) $85; H. H. Walker, $1110; (a) $100; Southern California Elec. Co., $1500; (a) $130; S. & H. Service Electric Co., $1124.76; (a) $56.79.

Plumbing—Moorhead Plumbing Co., $4180; Coony & Winterbottom, $4417; W. P. McArthur, $4506; Thos. Haverty Co., $4678; and Arthur Hess, $5590.

Hardware — Bennett - Montgomery Hardware Co., $1573; (a) $125; A. C. Garnett, $1689.45; (a) $106; Alhambra Hardware Co., $1769 and $1749; (a) $95.40 and $103.50.

Heating—Thos. Haverty Co., $2696; (a) $235; W. P. McArthur, $2952; (a) $225; Arthur Hess, $3000; (a) $125; and Moorhead Plumbing Co., $3113; (a) $425

MODESTO, Stanislaus Co., Cal.—Hansen & Wood, Silva Garage Bldg., Modesto, at $2879, awarded contract by Board of Education, Kathleen G. Prewett, Secretary, for altering the Washington school building.

LOS ANGELES, Cal.—Until 9 a. m., Sept. 14, bids will be received by the Los Angeles Board of Education for an auditorium and two class rooms at Budlong school, 5940 S. Budlong Ave., Los Angeles. Alfred W. Rea and Chas. E. Garstang, architects. Plans may be obtained at the office of the secretary, 730 Security Bldg., Los Angeles. Bids will be taken separately on the general contract, painting, heating and wiring.

VENICE, Los Angeles Co., Cal.—Robert B. Ogden, 2103 7th Ave., Los Angeles, was awarded the general contract at $36,889 for erecting an 8-room grade school at Venice. Edwin Bergstrom, 1128 Cit. Nat. Bank Bldg., Los Angeles, architect. The electrical work was awarded to Golden State Electrical Co. at $997; painting to Alhambra Wall Paper & Paint Co. at $1520; and plumbing to Venice Sanitary Plumbing Co. at $2750. The bids on heating and blackboards were held under advisement.

J. B. Harris, 808 Westchester Pl., Los Angeles, was awarded the general contract, including plastering, at $10,863, for erecting a 2-room brick school building at Ocean Park Heights school site, Venice. Edwin Bergstrom, architect. The plumbing was awarded to Venice Sanitary Plumbing Co. at $1531; electrical work to Standard Electric Co. at $395; and painting to Alhambra Wall Paper & Paint Co. at $844.

HOLLISTER, San Benito Co., Cal.—E. J. Sparling & Son, Hollister, at $5,600 awarded contract for repairs and minor additions to Grammar School in Fourth Street.

HANFORD, Kings Co., Cal.—Until Sept. 23, 10 A. M., bids will be received by Ed. Vickers, Clerk, Youd School District, Box 305, Route C, Hanford, for constructing addition to Youd school. Plans on file in office of the County Superintendent of Schools. Certified check for 10% required with each bid.

HANFORD, Kings Co., Cal.—W. N. Bond, Hanford, at $600 awarded contract by Hanford Union High School District for grading portion of high school grounds. Other bidders: L. Smith, $995; J. H. Holt, $710; A. W. Bass, $740; all bidders of Hanford.

SACRAMENTO, Cal.—T. M. Burns, 2207 N St., Sacramento, submitted the lowest bid to the Sacramento Board of Education for grading and surfacing of playgrounds around the Elmhurst and El Dorado School Buildings. The bids were as follows:

T. M. Burns	$3975
McGuire & Henry	4013
Robert Trost	4129
McGillivray Constr. Co.	6546

PALO ALTO, Cal.—Cramer Bros., 1941 15th St., San Francisco, submitted the lowest bid at $1955 for painting the Homer Avenue, Lytton Avenue and Intermediate Schools.

No bids were received for remodeling the drawing-room in the Intermediate School.

Following is a complete list of the bids received:

Cramer Bros. 1941 15th St., San Francisco	$1955.00
Frisk & Swanson, 4331 19th St., San Francisco	2870.00
R. Zelinsky, 180 Jessie St., San Francisco	2426.00
Zeh Knott, Richmond, Cal.	3290.00
Palo Alto Paint Co., Palo Alto, Cal.	4613.60
C. B. Sovig, 180 Jessie St., San Francisco	2657.50
J. A. Mohr & Son, 2216 Fillmore St., San Francisco	2216.00
L. H. Brown, Palo Alto, Cal.	3095.50
Tormey Co., 1042 Larkin St., San Francisco	2239.00

STORES AND OFFICES

Plans Completed.
STORES Cost, $12,000
LODI, San Joaquin Co., Calif. South Main St.
Two-story brick stores.
Owner—G. and J. Graffingna.
Architect—J. F. Watson, Lodi, Calif.

Plans Completed—Bids Being Taken For Grading.
OFFICE BLDG. Cost, $50,000
SAN FRANCISCO. N Sutter 137-5 E Stockton Street.
Five-story and basement reinforced concrete office building.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David Coleman, 110 Sutter St., San Francisco.

Contract Awarded.
OFFICE BLDG. ETC. Cost, $50,000
LOS ANGELES. No. 1407 S-Hope Street
Two-story brick medical office and radium treatment building. . . .
Owner—Dr. Albert Soiland, 527 W-7th St., Los Angeles.
Architect & Contractor—Milwaukee Building Co., Wright & Callender Bldg., Los Angeles.

Plans Being Prepared.
OFFICE BLDG. Cost, $——
LOS ANGELES. Hollywood Blvd. near Wilton Pl.
Two-story brick store and office bldg. 100x100.
Owner—Dr. Clement Swain.
Architect. and Contractor—Frank Meline Co., 6779 Hollywood Blvd., Los Angeles.
Brick Contract Awarded—Figures Being Taken for Sheet Metal Work.
ADDITION Cost, $300,000
SAN FRANCISCO. NE Mission and New Montgomery Sts.
Three-story Class A addition to present two-story building, also a one-story super-structure on roof.
Owner—Schwenberg Metzger & Aronson, Merchants' Exchange Bldg., San Francisco.
Lessee—Associated Oil Company.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Engineer—C. H. Snyder, 251 Kearny St., San Francisco.
Mealey & Collins, 180 Jessie St., will be awarded the contract for all exterior brick, terra cotta tile partitions, brick chimneys, etc.
Following is a complete list of the bids received:

Mealey & Collins	$25,970
Hegberg	26,500
M. B. McGowan	27,582
White & Gloor	29,290
Farrell & Reed	29,600
A. G. Reed	29,749
M. Brady	29,900
Fennell & Chisholm	31,887
H. H. Larsen	32,525
W. A. Rainey	39,982

Figures will be taken later for the plastering, glass, electric fixtures, marble and tile work, ornamental iron roofing, sheet metal, etc.

(Continued on Page 16)

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

PHOENIX, Ariz.—The Federal Power Commission has granted a permit to James P. Girand, former State Engineer of Arizona, to develop 120,000 h. p. in Mohave Co., Ariz. Girand represents a group of New York capitalists. He proposes to erect a dam 250 ft. high in Richmond creek, a tributary of the Colorado river. One year will be allowed Girand to perfect his application.

LOS ANGELES, Cal.—Bids for dredging 1,289,400 cu. yds. in Los Angeles Harbor at San Pedro, Calif., were received by the U. S. Engineer Officer, Los Angeles, Calif., as follows:

San Francisco Bridge Co., 14 Montgomery St., San Francisco, Calif., $176,-132.

Los Angeles Dredging Co., Long Beach, Calif., $178,452.

United Dredging Co., 325 Central Bldg., Los Angeles, Calif., $192,636, alternate bid.

SAN JOSE, Santa Clara Co., Cal.—County Engineer Irving L. Ryder instructed to prepare specifications for a new top of the San Martin Rd. bridge.

SANTA ROSA, Sonoma Co., Cal.—City Engineer L. L. Mills is preparing preliminary data for a bridge over the Santa Rosa Creek in A St., It has not yet been decided whether a steel or concrete structure will be built.

NAPA, Napa Co., Cal.—Until Oct. 1, 10 a. m., bids will be received by James A. Daly, County Clerk, for constructing reinforced concrete bridge across Napa River at the foot of Pratt Ave. on the Sanitarium road. Cost to be borne by town of St. Helena and Napa County. Certified check 10% payable to Chairman, Board of Supervisors, required with each bid. Edw. P. Ball, County Surveyor.

SALINAS, Monterey Co., Cal.—E. Nommensen, San Jose, at $11,400, awarded contract by Supervisors to construct highway bridge over San Antonio River on the Pleyto-Bradley road, Dist. No. 4. County to furnish materials. Other bidders were: Dan Wagner, San Francisco, $11,900; S. Ruthren, Monterey, $14,880.

Nommensen also awarded contract to construct highway bridge over San Antonio River near Jolon, Road Dist. No. 4, at $10,400. County to furnish materials. Other bidders: S. Ruthren, $14,984; Dan Wagner, $10,890.

Nommenson, at $6300, awarded contract to construct highway bridge over Lewis Creek in Priest Valley, Road Dist. No. 4. County to furnish materials. Other bidder: Daniel Wagner, $6990. Howard Cozzens, County Surveyor.

SAN RAFAEL, Marin Co., Cal.—S. P. Brownlee, San Rafael, at $1290, awarded contract by Supervisors to construct reinforced concr. bridge in county road leading from Tacoloma to Petaluma, known as Red Hill road, 500 ft. south of county line.

Other bidders were: Rocca & Caletti, San Rafael, $1755; J. G. Leibert, San Rafael, $1799. Engineer's estimate, $1488.92. Chas. S. Richardson, County Engineer.

MARYSVILLE, Yuba Co., Cal.—Dredging and improving Ellis Lake will cost approximately $39,625, according to estimates submitted to the City Council by William Meek, City Engineer. No action was taken, the report being ordered filed.

SAN RAFAEL, Marin Co., Cal.—Supervisors reject bids for constructing two wooden bridges with concrete abutments in Wilson Ave., Road Dist. No. 5, and for removing the present bridges. Bids were: Rocca & Caletti, $3556; D. W. Phillips, $3676; J. G. Liebert, $3900; S. P. Brownlee, $3700. County Engineer Chas. S. Richardson's estimate, $3826.85.

FRESNO, Fresno Co., Cal.—Noble Constr. Co. at $7,700 awarded contracts by the Supervisors to construct two bridges in Clovis avenue. Chris P. Jensen, County Road Engineer.

MARYSVILLE, Yuba Co., Cal.—City Council passes resolution seeking a survey of the Feather River from its mouth to Marysville with a view to improving it for navigation purposes. The resolution was ordered forwarded to Senator Hiram W. Johnson, Congressman C. F. Lea, the California Debris Commission and the War Department engineers. Wm. Meek, City Engineer.

OROVILLE, Butte Co., Cal.—Following bids received by Supervisors for construction of a reinforced concrete bridge over Wyman Slough: O. A. Peter, Oroville, $578; Henry Myers, Oroville, $600; M. Ward, Sacramento, $867.80; Davidson & Nicholson, $1441, and T. H. Polk, Chico, $712.98.

Bids for concrete bridge over Kusel Slough: T. H. Polk, Chico, $1,393.80; Davidson & Nicholson, $1,800; Jennings Bros. & Ward, $1,347.55.

Villa Verona Slough bridge: O. A. Peter, $529; T. H. Polk, $763.98; Davidson & Nicholson, $1,737; Jennings & Ward, $775.

Davidson & Nicholson of San Francisco submitted a bid on all the work for $9,590. H. H. Hume, County Engineer.

Engineers and Contractors
PLEASE NOTE

We Carry in Stock Here and Sell at Eastern Factory Price

Milburn Carbide Flare Lights
in candlepower from 50 to 12,000

Milburn Oxy-Acetylene Welding and Cutting Apparatus

All Safety Appliances
As Required by Accident Commission

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REDWOOD CITY, San Mateo Co., Cal.—G. Tocchetti, Redwood City, at $1,815 awarded contract by the Supervisors to construct concrete box culvert across Cordillerous creek on the Canyada road in 2nd road district. Other bidders: T. P. Hamilton, San Mateo, $2,295; A. Mattson, San Bruno, $2,742. Geo. Kneese, County Engineer.

OAKLAND, Cal.—Rocca & Caletti, San Rafael, at $31,435, awarded contract by Supervisors to construct reinforced concrete overhead crossing east of Altamont in Murray Township. P. A. Haviland, County Surveyor.

REDWOOD CITY, San Mateo Co., Cal. - A. Mattson, San Bruno, has been awarded a contract by the Supervisors to construct retaining wall on the La Honda to San Gregoria road. Excavation, $3 cu. yd.; class A concrete including steel, $25.50 cu. yd.; fill, $1.50 cu. yd.

Mattson also awarded a contract to construct retaining wall on La Honda-San Gregoria road near Station 55-00; excavating post holes for wall, $3 lin. ft.; excavation for wall, $3 cu. yd.; Class A concrete, $36 cu. yd.; fill, $1.50 cu. yd.

Mattson also awarded contract for retaining wall on the Montara to Halfmoon Bay road near Station 247: $2 cu. yd. excavation; $1.50 cu. yd. fill and $27 cu. yd. for wall construction. M. P. Dutra of Redwood City bid $3 cu. yd. excavation; $2 for fill; $27.50 for wall. Geo. Kneese, County Engineer.

REDWOOD CITY, San Mateo Co., Cal.—Until October 3, 10 A. M., bids will be received by Elizabeth M. Nash, County Clerk, for the construction of a slope protection wall at Salada Beach on the Colma to Halfmoon Bay road. Geo. Kneese, County Engineer.

REDDING, Shasta Co., Cal.—Following contracts awarded by the Supervisors: Bridges over Five Mile Gulch, Whitney Gulch and French Gulch creek near French Gulch to William Stephens, $5721.

Bridge over Bear creek on the Redding-Shingletown road near Fred Dersch place, to F. A. Zimmerman, $14,-400.

Bridge over Crowley Gulch on the Cottonwood-Gas Point road to Cottonwood Lumber Yard, $2835.

Bridge over Lack creek on the Balls Ferry-Shingletown road to J. L. Webster, $4746.

Bids were also received on the two fills of 3000 yards each on the Millville bridge but no contract awarded. F. P. & O. G. Sutton bid 90 cents cu. yd. and H. W. Stocker 8½c cu. yd. C. R. Wiegel, County Surveyor.

IRRIGATION PROJECTS

ETNA MILLS, Siskiyou Co., Cal.—An election will be held in the Scott Valley Irrigation District Sept. 24 to vote an assessment of $15,300 to complete the construction of canal and works in the district. Directors are: C. S. Hammond, W. T. Davidson, C. F. Irvin, John Silva and J. A. Matthews.

MODESTO, Stanislaus Co., Cal.—Until Sept. 24, 10 a. m., bids will be received by C. S. Abbott, Secretary, Mo-

desto Irrigation District: (1) for concrete lining in Goldsworthy lateral canal at Hackett-Conant ranch; (2) for concrete lining in Lateral 7 at Lucas-Carlson ranches. Certified check 10% payable to President Board of Directors required with each bid. Specifications may be had from office of Secretary, 823 Eleventh St., Modesto.

LIGHTING SYSTEMS

WOODLAND, Yolo Co., Cal.—H. J. Orrick, 13 Fifth St., Woodland, at $1,589.90 submits low bid to the Supervisors for installing flood lighting system in Yolo County Court House. Bid taken under advisement.

POMONA, Los Angeles Co., Cal.—Property owners on Randolph St. between Park Ave. and Wisconsin St. have petitioned Council for construction of an ornamental lighting system with concrete posts.

INGLEWOOD, Los Angeles Co., Cal.—Until 8 p. m., Sept. 19, bids will be received by City Clerk Ruth A. Cory for construction of ornamental lighting system on Market, Commercial, Regent, Los Angeles and Queen Sts., requiring about 86 cem. posts, conduits and appliances; Vrooman Act.

PETALUMA, Sonoma Co., Cal.—City Council planning installation of electroliers in Main St. from B to Washington Sts.; estimated cost, $2500 When this lap is completed it is planned to install system in North Main St. N. S. Frost, City Engineer.

SAN MATEO, San Mateo Co., Cal.—City Trustees adopt map of zone intended to be lighted by modern electrolier system, as prepared by Engineer Whitehead. Sixty standards will be installed.

MACHINERY

TUCSON, Ariz.—Albert Steinfel & Co. were awarded the contract at $4000 to furnish casings for new city wells. San Francisco Steel Products Co.'s bid was rejected.

LOS ANGELES, Cal.—Until 3 p. m., Sept. 13, bids will be received by Board of Public Service, 207 S. Broadway, for curb cocks, lead flanged corporation cocks, and lead flanged unions; Spec. No. 580; also for 9 reels ½-in., 31 reels ¾-in. and 10 reels 1-in. AA lead service pipe; Spec. 579-B. On Sept. 20 bids will be considered for 33,000-volt oil switches; Spec. No. P-239. L. M. Anderson, Acting Secretary.

WHITTIER, Los Angeles Co., Cal.—Until 8 a. m., Sept. 16, bids will be received by Trustees of Whittier City School District for purchase of the following discarded equipment: One 1-h. p. three-phase motor with low pressure centrifugal air pump and tank; one 1-h.p. single-phase motor with low-pressure centrifugal air pump and tank; one 800-gal. corru. iron tank; one 700-gal. iron tank and one underground tank. Bert D. Southwick, 220 N. Bright Ave., Clerk.

GLENDALE, Los Angeles Co., Cal.—The following bids were received Sept. 1 for furnishing water pipe, gate valves and hydrants to the Glendale City Water Department:

Cast iron pipe—U. S. Cast Iron Pipe & Foundry Co., 10 12-ft. lengths, Class B pipe, $1.30 ft. ($65 ton); 22 class D Tees, $17.55 ea.; 2 8x8-4x4-in class D crosses, $19.11 ea.; 4 6-in. 90 deg. elbows, $7.80 ea.; 4 4-in. class D plugs, 56c ea.; 1 8-in. 45 deg. plugs, $10.46 ea. Keystone Iron Works, 6-in. pipe, $65 ton; 8x8x6-in. Tees, $16.20 ea.; 8x8-4x4-in. Tees, $15.30 ea.; 8x8 crosses, $22.32; 8x8-4x4 crosses, $17.64; 6-in. 90 deg. elbows, $6.42; 4-in. plugs, 48c; 8-in. 45 deg. plugs, $10.80. Grinnell Co., 6-in. pipe, $1.51 ft.; 8x8x6-in. Tees, $13.40; 8x8x4-in. Tees, $12.15; 8x8-in. crosses, $18.65; 8x8-4x4-in. crosses, $13.80; 6-in. 90 deg. elbows, $9.66.

Riveted Steel Pipe—Lacy Mfg. Co., low at $13,368.60; unit prices, 10,045 ft. 8-in. 12-gauge, 68c ft.; 11,575 ft. 8-in. 14-gauge, 56c ft.; 175 ft. 4-in. 14-gauge, 32c ft. Western Pipe & Steel Co., 8-in. 12-gauge, 80c; 8-in. 14-gauge, 61c; 4-in. 14-gauge, 36c; total, $15,159.75; Baker Iron Wks, 71c, 60c, 34c, total $14,136.45; Los Angeles Mfg. Co., 61c, 72c, 35c, total $17,516.70.

Matheson Joint—Grinnell Co. and Crane Co. each bid $86.81 ft. f. o. b. Glendale, for 21,800 ft., total $18,924.58.

Hydrants—Grinnell Co. low at $44.17 for 21 6-in. hydrants.

Gate Valves—Chapman Valve Co. low at $27 for 14 8-in.; $9.50 for 2 4-in.; $7 for 2 3-in; $5 for 5 2-in.

HANFORD, Kings Co., Cal.—Until Sept. 27, 8 p. m., bids will be received by G. W. Armstead, Clerk, Hanford Union High School District, for fur. and install. 1500 ft. galv. iron pipe ranging from 1-in. to 3-in. diameter, with connections, standpipes, faucets, etc.

EUREKA, Humboldt Co., Cal.—Until Sept. 22, 7:30 P. M., bids will be received by Geo. B. Albee, Secretary of the Board of Education, for furnishing machines and other equipment for an automobile repair shop. Bids are asked for items separately. Certified check for 5% payable to Eureka School District required with each bid. Specifications on file in office of secretary.

FIRE EQUIPMENT

LODI, San Joaquin Co., Cal.—Seagrave Co., at $13,000, awarded contract by City Trustees to furnish and deliver a triple combination fire engine.

OROVILLE, Butte Co., Cal.—City Trustees purchase Stutz engine from Stutz Co. Contract price, $12,450.

ALHAMBRA, Los Angeles Co., Cal.—Until 5 p. m., Sept. 19, bids will be received by City Trustees for a 750-gal. pump for the fire dept.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

FRESNO, Fresno Co., Cal.—Until Sept. 16, 3:30 P. M., bids will be received by R. Y. St. George, City Clerk, for improving Poplar Ave., from McKinley to Homer Ave., by grading, constructing concrete curbs and gutters, cement sidewalks and oiling. Certified check for 10% payable to city required with each bid. Wm. Stranahan, City Commissioner of Public Work.

(Continued on page 16)

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Official Proposals

BIDS WANTED FOR STEEL WORK

BUREAU OF YARDS AND DOCKS, Navy Department, Washington—Bids are wanted until September 21, specification 4464, for steel work machine shop at Pearl Harbor, H. T. Deposit for plans $10. For information address chief of bureau.

METAL SHELVING BIDS WANTED

OFFICE OF THE SUPERVISING Architect, Treasury Department, Washington.—Bids are wanted until September 26 for installing metal vault shelving in the U. S. public building, Honolulu, H. T.

TO CALL BIDS FOR STEEL SUPERSTRUCTURE

NOTICE TO CONTRACTORS

Proposals will be opened in the near future on Specification No. 4464 for erection of steel superstructure for new machine shop, Naval Station, Pearl Harbor, T. H.

The work covers the erection of the steel work for the new machine shop which will be rectangular in shape, 1 story high, 181 ft. 3½ in. wide, and 520 ft. long, measured between column center lines. Bottom chords of main trusses will be approximately 50 ft. above main column bases. All structural steel will be furnished by the Government.

Plans and specifications will be available for distribution shortly and will be forwarded when available upon the receipt of check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, as security for their safe return.

R. L. MARTIN,
Lieut. Comdr. (CEC) U. S. Navy,
By direction, Public Works Officer.

TO CALL BIDS FOR RIPRAPPING

NOTICE TO CONTRACTORS

The Bureau of Yards and Docks will shortly open proposals on Specification No. 4390 for riprapping Dike No. 12 at the Mare Island Navy Yard.

The work includes the excavation of approximately 100,000 cu. yds. of rock at the southerly end of Mare Island, and the depositing thereof outside of Dike No. 12.

Plans and specifications may be had when available upon depositing check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, as security for their safe return.

By direction, Public Works Officer.
R. L. MARTIN,
Lieut. Comdr. (CEC) U. S. Navy,

BIDS WANTED FOR CABLE LINE IMPROVEMENT

NOTICE TO CONTRACTORS

Office Chief Third District, Construction Service, Q. M. Corps, Fort Mason, Calif., September 3, 1921.—Sealed proposals in triplicate, for changing High Tension Aerial Line to Cable through Tunnel at Fort Baker, Calif., will be received by Constructing Quartermaster, Fort Mason, Calif., until 11 A. M., September 21, 1921. Plans, etc., on application.

BIDS WANTED FOR SEWAGE EJECTOR, ETC.

Notice to Contractors

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept. 1, 1921.—SEALED PROPOSALS will be opened in this office at 3 p. m., Sept. 29, 1921, for the installation of a Sewage Ejector, etc., at the United States Post Office, Stockton, Calif., in accordance with the drawing and specification, copies of which may be had at this office or at the office of the Custodian at Stockton, Calif., in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR APPROACH TO WHARF

NOTICE TO CONTRACTORS

OFFICE CHIEF THIRD DISTRICT, Construction Service, Q. M. Corps, Fort Mason, Calif., September 2, 1921—Sealed proposals in triplicate, for constructing Approach to Wharf at Fort Baker, Calif., will be received by Constructing Quartermaster, Fort Mason, Calif., until 11 A. M., September 22, 1921. Plans, etc., on application.

BIDS WANTED FOR METAL BOOK STACKS

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 23, 1921.—SEALED PROPOSALS will be received at this office until 3 p. m., October 18, 1921, and then opened, for metal book stacks installed in place in the United States Post Office, Custom House and Court House at Honolulu, T. H. Drawings and specifications may be obtained from the Superintendent of Construction of the building at Honolulu, Hawaii, from J. W. Roberts, Supervising Superintendent of Construction, Room 402 Post Office and Court House, San Francisca, California, or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 19th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Mendocino County, near Arnold. (I-Men-1-G), an undergrade crossing of the Northwestern Pacific Railroad.

Stanislaus County, between Southerly Boundary and Ceres (III-Sta-4-A), about 6.0 miles in length, to be surfaced with Asphalt concrete.

Santa Clara County, between Perry and Morgan Hill (IV-S.Cl-2-B), about 4.3 miles in length to be surfaced with Asphalt concrete.

Santa Clara County, between Gilroy and Carnadero Creek (IV-S.Cl-2-C), about 1.7 miles in length, to be paved with Portland cement concrete.

Monterey County, between King City and South side of Salinas River (V-Mon-2-F), about 1.0 miles in length, 0.5 miles to be paved with Asphalt concrete and 0.5 miles to be surfaced with Asphalt concrete.

Santa Barbara County, between Canada de la Posta and Gaviota (V-SB-2-E & F), about 3.2 miles in length to be widened with Portland cement concrete shoulders and surfaced with Asphalt concrete.

Merced County, between Delhi and Northerly Boundary (VI-Mer-4-D), about 4.2 miles to be surfaced with Asphalt concrete.

Orange County, between Fullerton and Northerly Boundary (VII-Ora-2-F), about 4.8 miles in length, 2.8 miles to be paved with Portland cement concrete and 2.0 miles to be widened with Portland cement concrete shoulders and surfaced with Asphalt concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated August 22, 1921.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 3rd, 1921,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Stanislaus County, between Tuolumne River Bridge and 1.2 miles North of Ceres (III-Sta-4-B), about 1.9 miles in length, to be surfaced with Asphalt concrete.

San Luis Obispo County, between 6 miles North of San Simeon and Northerly Boundary (V-Slo-56-A), about 10.0 miles in length, to be graded.

Kern County, between South Line Section 19, T. 11 N. R 20 W. S.B.B. & M. and 13.0 miles South of Bakersfield (VI-Ker-4-B), about 10.0 miles in length, to be surfaced with Asphalt concrete.

San Bernardino County, between Summit and Victorville (VII-SBd-31-C), about 15.7 miles in length, to be paved, either with Portland cement concrete or Bituminized Macadam.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full direc-

tions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated September 6, 1921.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 26th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Sonoma County, between Fairville and Easterly Boundary (IV-Son-8-A & B), about nine and three-tenths (9.3) miles in length, to be graded.

Imperial County, between Near East High Line Canal and New County Well (VII-Imp-27-A), about ten and seven-tenths (10.7) miles in length, to be paved with Asphalt concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated August 29, 1921.

NOTICE TO BIDDERS

(Court House Furnishings, Etc.)

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of Ormsby County, State of Nevada, will receive bids for furniture, carpets, linoleum, shades, light fixtures and cabinet work to be installed in the new Court House Building, Carson City, Nevada.

Plans and specifications may be secured at the office of F. J. DeLongchamp, Architect, Reno, Nevada.

Bids will be received at the office of the County Clerk at Carson City, Nevada, **up to 12 o'clock noon on September 19, 1921.**

All bids shall be sealed in opaque envelopes, addressed to County Clerk and marked "Bid for Court House Equipment."

Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the total amount of the items bid on.

Bidders may bid on one or more items authorized by the Board of County Commissioners for Ormsby County, Nevada, the 17th day of August, 1921.

ORMSBY BOARD OF COUNTY COMMISSIONERS,
E. S. DAUGHERTY,
Chairman.
J. W. LEGATE, Clerk.

NOTICE TO PAINTERS

(Hospital Buildings)

NOTICE IS HEREBY GIVEN that sealed proposals or bids will be received by the Board of Supervisors of Santa Clara County, California, in their rooms in the Court House, in the City of San Jose, **up to 11 o'clock A. M. of Monday, October 3, 1921,** for painting main building as Santa Clara County Hospital, also Superintendent's residence, Tuberculosis building, Old Ladies' and Old Men's cottages and Employes' cottage, Morgue and Gas House, Water Tower and Tanks of the Santa Clara County Hospital, in accordance with plans and specifications on file in the chambers of the Board of Supervisors for said work.

Each bid must be accompanied by a certified check in the sum of 5 per cent of amount bid, drawn upon some reliable bank in favor of Henry A. Pfister, County Clerk, as liquidated damages in case the successful bidder fails to file a satisfactory bond as required by said Board within five days for the faithful performance of the conditions of the contract.

The Board reserves the right to reject any and all bids.

All bids must be addressed to John Roll, Chairman of the Board of Supervisors of Santa Clara County, and indorsed "Bids for Painting Hospital Buildings."

By order of the Board of Supervisors of Santa Clara County.

Attest: HENRY A. PFISTER, Clerk.
By Eugene M. Don, Deputy Clerk.

NOTICE TO BIDDERS

(Isolation Hospital)

Pursuant to an order of the Board of County Commissioners of Washoe County, Nevada, made and entered upon the 6th day of September, 1921, sealed bids and proposals will be received by the undersigned at the office of the County Clerk of Washoe County, in the City of Reno, County of Washoe, State of Nevada, not later than **twelve o'clock noon, Saturday, the eighth day of October, 1921,** and opened in the office of the County Commissioners at 1:30 o'clock p. m. on the same date, for the following: For the erection, construction, and completion of an Isolation Hospital Building according to the plans and specifications made by George A. Ferris & Son, architects of Reno, Nevada; plans and specifications may be obtained from the above named architects, at their office in the Colonial Hotel, Reno, Nevada, on and after the above date.

By order of the Board of County Commissioners of Washoe County, Nevada.

E. H. BEEMER,
Clerk of the Board of County Commissioners.

NOTICE TO CONTRACTORS

(Four Ward Buildings)

Office of the Clerk of the Board of Supervisors, Alameda County, Calif.

SEALED BIDS will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until 10 o'clock A. M. on Monday, October 3rd, 1921** (the only day when said bids will be opened), for all labor and material and mechanical workmanship required for the erection and partial completion of Ward buildings numbers Four, Six and Eight, and connecting corridors for Highland Hospital of Alameda County at 14th Avenue and Vallecito Place, Oakland, California; also certain partition work, etc., in Wards, One and Two and in Service Building.

Complete plans and specifications for said work are on file in the office of the County Clerk, open to inspection.

Copies may be obtained by depositing with the County Clerk the sum of One Hundred ($100.00) Dollars. Contractors will be restricted as to the length of time they may retain these plans and specifications to ten (10) days.

Contractors failing to return said plans and specifications within said time limit will forfeit their deposit to the County of Alameda. The entire amount of the deposit will be returned to contractors returning plans and specifications in good condition within said time limit.

Each bid must be accompanied by a check for at least ten (10) per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the Contract.

GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.
Dated, August 22nd, 1921.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Woods School District, Woodbridge, California, at the office of the Clerk of said Board at the School House of said District, located in the town of Woodbridge, County of San Joaquin, State of California, **until 3 o'clock P. M., Wednesday, September 14, 1921,** for the erection of a school building to be built in Woodbridge, California, according to plans and specifications prepared for the same by George C. Sellon and Company, the authorized architects.

Bids will be received for the various branches of the work as follows: For the mason work and carpenter work combined; for the mason work; for the carpenter work; for the plastering; for the painting; for the roofing; for the sheet metal work; for the plumbing; for the heating; and for the electrical work.

Bids will also be received for the mechanical construction (including sheet metal work, plumbing, heating and electrical work).

Plans and specifications can be seen at the residence of the Clerk of said Board of Trustees, at Woodbridge, California, and may be seen at or obtained from the office of the Architects, 202 Mitau Building, Sacramento, California. A cash deposit of $25.00 will be required from all prospective bidders on all copies of plans and specifications loaned out, as a guarantee of the same being returned.

All shall be presented on blank forms which may be procured at the office of architects. Each bid must be accompanied by a certified check on some responsible California bank for a sum of not less than ten per centum (10%) of the amount of the bid, made payable to Geo. M. Bancroft, Clerk of the Board of Trustees, as a guarantee of good faith that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for faithful performance of said work, and in case the bidder to whom the contract is awarded fails or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said School District in the manner provided by law. Each bid must be enclosed in a sealed envelope and addressed to Geo. M. Bancroft, Clerk of the Board of Trustees of Woods School District, Woodbridge, California, and endorsed "Proposal for building school."

The Board of Trustees expressly reserves the right to reject any or all bids.

By order of the Board of Trustees of Woods School District, Woodbridge, San Joaquin County, California.

Dated August 29, 1921.
Signed: GEO. M. BANCROFT,
Signed: MARTHA D. GARRISON,
Signed: L. T. MASON,

NOTICE TO CONTRACTORS

Brick & Concrete School, Cost, $150,000

NOTICE IS HEREBY GIVEN that sealed bids will be received and opened by the Board of Trustees of the Napa School District, Napa County, California, **up to 8 P. M. o'clock, on the 15th day of September, 1921,** for the erection and completion of a concrete and brick school building to be known as the John L. Shearer Grammar School, in the City of Napa, Napa County, California, all in accordance with plans and specifications made for the same by W. H. Weeks, the authorized architect employed by the Board.

Bids will be received as follows:

(1) The General Contract, together with alternate propositions.

(2) The Heating System.

Plans and specifications can be seen at the office of the Clerk of the Board in Napa, between the hours of 9 A. M. and 3 P. M. of any day, except Saturdays, Sundays and holidays, or at the office of the Architect, W. H. Weeks, 75 Post Street, San Francisco, California, during business hours.

On a deposit of Twenty ($20.00) Dollars complete sets of said plans and specifications may be had by any prospective bidder. If not returned by the time bids are received or if mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made on proposal blanks obtained at the office of the Architect and to be signed by the bidder, accompanied by a certified check for at least ten per cent (10%) of the amount of the bid or proposal, certified to by some responsible bank and made payable to Howard E. Roper, Clerk of the Board of Trustees of the Napa School District, to be retained by said School District as liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into contract after the award, or to give bonds required for the faithful performance of the contract or any bond required by law.

The Board reserves the right to reject any and all bids.

Address bids to Howard E. Roper, Napa, California. Clerk of the Board.

NOTICE TO CONTRACTORS

(Two Portable Schools)

NOTICE IS HEREBY GIVEN that the President of the Board of Education of the City of Santa Rosa School District, Sonoma County, California, will receive bids for the construction of two (2) wooden portable one-room school buildings **until 11 o'clock A. M., September 20, 1921,** at his office in the Dougherty-Shea Building in the City of Santa Rosa, and that these bids will be opened and read at the above mentioned time and date and place in the presence of all concerned. Plans and specifications for the work may be obtained from William Herbert, Architect, City Hall, Santa Rosa, California. A deposit of Five Dollars ($5.00) will be required to insure the return of the plans and specifications.

HILLIARD COMSTOCK,
President, Board of Education, City of Santa Rost School District.

SARAH N. HATCH,
Secretary, Board of Education, City of Santa Rosa School District.

BIDS WANTED FOR SCHOOL

(One-story Frame and Plaster Four-room Structure)

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Trustees of the Hayward Grammar School District of Alameda County, California, for the construction of a Ward School in the Orchard-Avenue District at the intersection of Soto street and Orchard avenue, at Hayward, Alameda County, California, as per plans and specifications on file with the Clerk of said Trustees, in the town of Hayward, or at the office of Henry C. Smith, the authorized architect, at 785 Market St., San Francisco, California.

Plans and specifications can be obtained from the Clerk, or Architect, upon deposit of the sum of Five ($5.00) Dollars, which will be returned when said plans and specifications are returned in good condition to said Clerk or Architect.

Reference to plans and specifications are hereby made for bids required.

Blank forms for bidding will be furnished upon application.

Said bids will be received **up to and including September 20, 1921, at 7 o'clock P. M.,** by the Clerk of said Board of Trustees at Hayward, Alameda County, California. Each bid must be accompanied by a certified check for the sum of Five (5) per cent of the amount of the bid, conditioned on the successful bidder entering into the contract, the amount of said check to be made payable to the Clerk of the Board of Trustees of the Hayward Grammar School District.

The Trustees reserve the right to reject any or all bids.

By order of the Board of Trustees of the Hayward Grammar School District.

Dated at Hayward, California, September 1, 1921.

(Signed) JACOB HARDER JR.,
Clerk of the Board of Trustees of the Hayward School District.

BIDS FOR SCHOOL DESKS

NOTICE IS HEREBY GIVEN that the Board of Education of the Sacramento City School District will receive sealed bids for two hundred (200) or more movable school chair desks. Samples of desks must be furnished the Secretary of the Board of Education, at the school store room, I street, between 10th and 11th.

A certified check in the sum of ten per cent (10%) of the amount of the bid must accompany each bid, which will be forfeited to the Board of Education, should the bidder fail to comply with his bid, if required to do so.

All bids must be filed with the Secretary of the Board of Education, Room 300, City Hall, Sacramento, **not later than 5 o'clock P. M., Monday, September 19, 1921.**

The Board of Education reserves the right to reject any and all bids.

CHAS. C. HUGHES,
Secretary.

NOTICE INVITING SEALED PROPOSALS FOR THE CONSTRUCTION OF AN ELEMENTARY SCHOOL BUILDING, ROSELAND SCHOOL DISTRICT, SANTA ROSA.

NOTICE IS HEREBY GIVEN, by the Board of Trustees of the Roseland School District at Santa Rosa, Sonoma County, California, that bids will be received by said Board for the erection and construction of a new Elementary School Building at Roseland.

Plans and specifications may be obtained from the Clerk of the Board of the Roseland School District, or from the architect, Norman R. Coulter, at 46 Kearny Street, San Francisco, California. A deposit of Ten ($10.00) Dollars will be required for each set of plans.

All bids will be opened by the said Board of Trustees on the **19th day of September, 1921, at 8 o'clock p. m.,** at temporary school house, and all bids must be delivered to Mr. George D. Wilson, Clerk of the Board, before said hour, enclosed in sealed envelopes and marked on the outside, "Bids for construction of Elementary School Building, Roseland School District, Santa Rosa, Sonoma County, California."

All bids must be accompanied by a certified check, cash or a certificate of deposit equal to ten per cent. of the amount bid; checks or certificates to be made payable to the Board of Trustees and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted, upon his entering into a contract with the said School District, and giving such bonds as may be required by law or said Board.

The Board of Trustees reserves the right to reject any and all bids.

GEO. D. WILSON,
Clerk of the Board of Trustees of the Roseland Elementary School District, Santa Rosa, Sonoma County, California.

BIDS WANTED FOR SCHOOL

(One-Story Masonry and Frame Structure)

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of School Trustees of the Taft Union High School District of the City of Taft, County of Kern, State of California, up until **7 o'clock p. m. on the 20th day of September, 1921,** at the office of the Clerk of said Board in the High School Building, Taft, California, for the furnishing of all materials and labor necessary to build and complete a one-story masonry and frame school building for the Board of School Trustees of the Taft Union High School District, County of Kern, California, as per plans and specifications prepared by Orville L. Clark, Architect, offices 401 Brower Bldg., Bakersfield, California, which plans and specifications may be obtained at said Architect's office.

Each bid shall be made out on a form to be obtained at the Architect's office and must be accompanied by certified or cashier's check in the amount of ten per cent (10%) of bid made payable to the order of Clerk of Board of School Trustees of the Taft Union High School District. Bids shall be sealed and filed with the Clerk for said Board of School Trustees of the Taft Union High School District, at the above mentioned specified time.

The above mentioned check shall be given as evidence that the bidder will enter into contract if awarded the work and will be declared forfeited if the successful bidder refuses to enter into said contract after being requested to do so by the Board of School Trustees.

The successful bidder will be required to furnish two bonds, of a surety company, satisfactory to the Board of School Trustees of the Taft Union High School District, one covering an amount equal to fifty per cent (50%) of the contract price and one equal to twenty-five per cent (25%) of the contract price.

The Board of School Trustees reserves the right to reject any or all bids.

Dated this 7th day of September, 1921.

E. W. NESBIT, Jr., Clerk.
PETER B. VITELLE,
P. SMITH,
JAMES A. CALHOUN,
H. W. B. RENTOUL,
Trustees of the Taft Union High School District.

THE OBSERVER

(Continued from Page 4)

Vitelle & Vitelle, contractors, have opened offices in the Odd Fellows' Bldg. at Taft in conjunction with W. E. Congdon, engineer.

Eighty-eight building permits were issued in Stockton during the month of August, representing construction costing approximately $114,040. Covering the same period in 1920 the totals were $93,379.

Certified articles of incorporation of the Hammond Lumber Co. have been filed in the county clerk's office at Willows. The company is organized under the laws of the state of Delaware and has its headquarters in that state. The capital stock is $10,000,000.

Articles of incorporation have been filed with the Oregon State Corporation Department by the Oregon Charcoal Iron Co. of Portland, capitalized at $500,000. Incorporators are: J. N. Kelley, Roy T. Terry and Conrad P. Olson.

Bay Counties Lumber Co. of San Francisco is permitted by Commissioner of Corporations to sell and issue 100 shares of its capital stock to A. W. Forster.

STORES AND OFFICES

(Continued from Page 10)

Plans Being Figured.
STORE BLDG. Cost, $——
SAN FRANCISCO. N Mission near New Montgomery.
One-story and mezzanine reinforced concrete store building, 20x80.
Owner—Sullivan Estate.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Figures are being taken for a general contract.
The excavating is being done by the Carlin Grading Co., 180 Jessie St.

Plumbing Being Figured.
OFFICE BLDG. Cost, $50,000
SAN FRANCISCO. N Sutter 137-5 E Stockton Street.
Five-story and basement reinforced concrete office building.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David Coleman, 110 Sutter St., San Francisco.

Architect Taking Sub-figures.
OFFICE BLDG. Cost, $100,000
OAKLAND. SW 15th and Broadway.
Two-story and basement class "A" office building (terra cotta and granite exterior).
Owner—Oakland Title Ins. & Guarantee Co., 1308 Broadway, Oakland.
Architect—M. I. Diggs, 1108 Easton Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.
Construction will be started on the 10th of this month. The foundation is to be of sufficient strength so as to carry eight additional stories at some future date.

SEATTLE, Wash.—Grant Smith & Co., Seattle, at approximately $200,000, have been awarded a contract by the Metropolitan Building Co. to erect Cobb Bldg. annex from plans of Architects Howells and Albertson, Seattle. Structure will contain offices exclusively for physicians.

THEATRES

Steel Contract Awarded—Segregated Figures to Be Taken Next Week.
Week.
THEATRE Cost, $300,000
SAN FRANCISCO. S. Geary 137.6 W Mason.
Class A theatre.
Owner—Curran Theatre Co.
Architect—Alfred Henry Jacobs, 110 Sutter St.
The steel contract has been awarded to the Central Iron Works, 2050 Bryant St., San Francisco, at $154 per ton, including erection.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

(Continued from Page 12)

MARTINEZ, Contra Costa Co., Cal.—Residents in the D. L. M. tract present petition to city trustees seeking the improvement of Miller, First, Lange and Dineen Sts. Referred to Superintendent of Streets for report.

SACRAMENTO, Cal.—Supervisors decide to widen and improve the Auburn Blvd. between the end of the causeway and the city limits when the State begins the construction of a new causeway. Drury Butler, County Engineer.

CALIFORNIA.—Following bids were received by the State Highway Commission on Aug. 29:

Marin and Sonoma Counties.—Between Ignacio and Fairville (IV-Mrn-Son-8-A), about 9.5 miles in length, to be paved either with Portland cement concr. or asph. concr. Involves 24,000 cu. yds. excavation without classification; 390 cu. yds. Class A Portland cement concrete (culverts and monubents); 48 lin. ft. 30-in. corrugated metal pipe. Alternative items: Item 4, 13,970 cu. yds. Class A Portland cement concrete (pavement); item 5, 27,100 tons asphalt concrete mixture (pavement). Alternate item 5 is to be considered as alternative for Item 4. Commission will furnish reinforcing steel, corrugated metal pipe, cement, sand and coarse aggregate for concrete and fine and coarse aggregate and asphaltic cement for asphalt cement.

	Concrete	Asphalt
R. J. Blanco, Vallejo	$131,652.00	.....
A. Teichert & Son, Sacramento	.....	$202,222.00
Clark & Henry	150,543.50	218,174.50
Healy - Tibbitts Const. Co., S. F.	133,404.10	.....
Conners & Hansen, Santa Rosa	188,253.00	.....
P. L. Burr, S. F.	148,651.00	199,921.00
Warren Const. Co., Portland, Ore.	144,575.50	174,350.00
Federal Const. Co., San Francisco	.....	160,206.00
Grant Smith & Co., San Francisco	.....	138,204.00
R. McLeran & Co., San Francisco	160,961.50	.....
Engineer's Est.	145,257.65	188,624.15

Santa Barbara County.—Between San Jose Creek and Stony Creek, (V-S.B.-2-K), about 2.0 miles in length, to be paved with Portland cement concrete. Involves: 11,900 cu. yds. excavation without classification; 3000 tons gravel or broken stone in sub-base; 4000 cu. yds. Class A Portland cement concrete (pavement); 31 cu. yds. Class A Portland cement concrete (culverts and monuments); 126 lin. ft. 12-in. and 398 lin. ft. 18-in. corru. metal pipe; 1000 lin. ft. guard rail; 26 monuments. Commission will furnish reinforcing steel, corrugated metal pipe, cement, sand and coarse aggregate for concrete and gravel or broken stone for sub-base.

C. H. Hudson, Los Angeles	$40,545.50
P. L. Burr, San Francisco	51,687.00
Henry J. Kaiser, Oakland	53,784.48
Arthur H. Vogt, San Francisco	56,694.00
Wasco Constr. Co., Wasco	59,725.50
Engineer's estimate	51,418.40

Los Angeles County — Between Rancho El Encino and Shoup Ave., (VII-LA.-2-B), about 5.7 miles in length, to be paved with Portland cement concrete: 9550 cu. yds. Class A Portland cement concrete (pavement). Commission will furnish reinforcing steel, cement, sand and coarse aggregate and hydrated lime for concrete.

J. G. Deckjord, Los Angeles	$42,497.50
Herbert Francisco, Bishop	52,334.00
J. A. Costello, Jr., San Francisco	56,822.50
Engineer's estimate	52,166.87

FRESNO, Fresno Co., Cal.—F. Pellegrino, Fresno, has been awarded a contract by the Council for improving the alley in Block 80 from Inyo to Mono by grading and paving with concrete; 6-in. concrete paving, $.23 sq. ft.; grading, $.04 sq. ft. Wm. Stranahan, City Commissioner of Public Works.

SAN FRANCISCO.—Mission Terrace Improvement Club, 134 Delano Ave., petition Supervisors to pave all streets in that tract; estimated cost of improvements, $100,000. M. M. O'Shaughnessy, City Engineer.

PETALUMA, Sonoma Co., Cal.—Proceedings for improving Bodega Ave. from Upham St. to the west city limits rescinded (due to irregularities) by City Council and new roceedings will be started. Contract for this work was recently awarded to Hugh Crummey of Oakland, the city to furnish materials. Project involves 833 cu. yds. excavation and 38,552 sq. ft. 5-in. concrete pavement. N. S. Frost, City Engineer.

SANTA CRUZ, Santa-Cruz Co., Cal.—City Engineer James K. James instructed to prepare plans for grading, paving and construction of sidewalks, curbs, sewer laterals and storm water drains on portions of Cayuga St., Soquel Ave. and Pine St.
Council orders grading, paving and construction of sewers and storm water drains on a portion of Bay St., between the S. P. viaduct and Continental St., and City Clerk instructed to advertise for bids.

SAN JOSE, Santa Clara Co., Cal.—Irving J. Ryder, County Engineer, instructed to proceed with improvements in Purissimo Ave. and Paloma Ave., in Supervisor District No. 5.

HOLLISTER, San Benito Co., Cal.—W. I. McReynolds, Hollister, at $33,638.89, awarded contract by trustees for improving Monterey, Sixth, Seventh, Hayden and Hawkins Sts. Unit bid, 144,307 sq. ft. grading, $.02 sq. ft.; 144,307 sq. ft. grading, $.19 sp. ft.; 5378 lin. ft. concr. curbs, $.62 lin. ft. Alfred M. McCray, City Engineer.

LOS ANGELES, Cal.—A resolution of intention to improve Firey Ave. in Road Imp. Dist. No. 172 was adopted by County Supervisors and protests will be heard Sept. 19. A 5-in. concr. pavement will be constructed on half the roadway, 9 ft. wide, from Covina Blvd. to north city boundary of La Verne and the full width of the roadway, 18 ft., from the latter point to south line of Foothill Blvd.; concr. curb, gutter, and curtain wall and wood retaining wall also to be constructed.

OAKLAND, Cal.—Hutchinson Co., 444 17th St., Oakland, awarded contract by Council for improving portions of Rosedale Ave. and E. 17th and E. 18th Sts., grading, $.0846 sq. ft.; concr. curb, $.75 lin. ft.; con. gutter, $.26 sq. ft.; oil macadam pavement, $.14 sq. ft. Geo. Mattis, City Engineer.

OROVILLE, Butte Co., Cal.—County Engineer H. H. Hume completes specifications for completion of Vallambrosa Ave. paving in Chico. C. F. Belding, County Clerk, instructed to call bids.

LOS ANGELES, Cal. — Bids were opened by Los Angeles Board of Supervisors for constructing a water system at Lancaster, in Water Works Dist. No. 4, in accordance with plans and specifications prepared by F. G. Dessery and E. R. Bowen, engineers, Central Bldg., Los Angeles. Bids were called for in 12 different sections, unit bids being received for most of the work. All bids were referred to engineers for tabulation and report. As soon as available, a report of the bids will be published in this service.

SANTA CRUZ, Santa Cruz Co., Cal.—Greenfield Bros., Santa Cruz, at $1888.51, awarded contract by council for grading and paving intersection of Pacific Ave., Washington and Bay Sts. Other bids were: L. J. Byrne, $2238.24; T. F. Costella, $1933.14; W. E. Miller, $1900.17. James K. James, City Engineer.

SAN FRANCISCO.—Raisch Improvement Co., 46 Kearny St., awarded contract by Southern Pacific Co. to improve 2nd St. bet. Harrison and Folsom; asphaltic concrete pavement, $.37 sq. yd.; basalt block toothing, $.90 lin. ft.

OROVILLE, Butte Co., Cal.—No bids received by supervisors Aug. 24 for constructing Cana West road, near Cana, or for Wilson Landing road, near Nord. County Engineer H. H. Hume is instructed to proceed with construction by day labor.

OAKLAND, Cal.—Bates & Borland, Oakland Bank of Savings Bldg., Oakland, awarded contract by Council for improving 88th Ave. from East 14th St. to a point 310 ft. southwest of D St.: excavation, $1.35 cu. yd.; concr. curb, $.75 lin. ft.; concr. gutters, $.25 sq. ft.; oil macadam pavement, $.135 sq. ft.; 8x29-in. corr. iron and concr. culvert, $5.25 lin. ft.; 8x24-in. corr. iron and concr. culvert, $4.75 lin. ft.; C. I. handholes, $25.00; granite header blocks, $10.

Bates & Borland also awarded contract to improve Dakota St. from Maple to point 400 ft. southeast of Laurel ave.; excavation, $1.05 cu. yd.; concr. curbs, $.75 lin. ft.; concr. gutters, $.25 sq. ft.; oil macadam pavement, $.135 sq. ft.; cement sidewalks, $.17 sq. ft. Geo. Mattis, City Engineer.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., was awarded contract at $10,441 for improving Gramercy Pl. from 10th St. to Country Club Dr., involving 32,477 sq. ft. grading at 4c ft.; 32,477 sq. ft. bitulithic paving at 26c ft.; 400 sq. ft. grading and oiling at 10c ft.; 2193 sq. ft. concr. gutter at 30c ft. Other bids received by Board of Public Works were: George R. Curtis, $10,648.12; George H. Oswald, $12,218.55; engineer's estimate, $10,247.81.

OAKLAND, Cal.—M. A. Lopez, 362 San Joaquin St., San Leandro, at $21,730, awarded contract by Supervisors for improving roads near County Hospital at San Leandro. P. A. Haviland, County Surveyor.

CARSON CITY, Nev.—Following are approximate quantities of materials required for the construction of a portion of State Highway in Churchill County betw. Salt Wells and Sand Springs, Route 2, Section C-1, bids for which will be opened by the Nevada State Highway Commission on September 19: 10.42 lin. mi. preparing subgrade and shoulders and 75,085 sq. yds. crushed rock surface, constructed in two layers. C. C. Cottrell, State Highway Engineer.

NAPA, Napa Co., Cal.—City Council passes res. of int. to improve Third St. between Coombs and School Sts., involving 934.3 cu. yds. grading, 28,810.2 sq. ft. 6-in. concrete paving; 6 concrete catchbasins, 180 ft. 6-in. and 260 ft. 8-in. sewer, 4 4-in. lateral sewer house connections; 1 brick manhole and 1 flush hole. Protests Sept. 12. H. A. Harrold, City Engineer.

CHICO, Butte Co., Cal.—Council rejects bids of Chico Contracting Co., $9380, for paving intersections of South Broadway with a 2½-in. asphaltic macadam base with 1½-in. asphaltic macadam wearing surface. Other bidders were: Gorrill & Gorrill, Frank S. Robinson, City Engineer.

SAN RAFAEL, Marin Co., Cal.—Until Sept. 6, 8 p. m., bids will be received by Eugene W. Smith, City Clerk, for constructing a concrete pavement, with steel reinforcement, in Petaluma Ave. extension, otherwise known as Puerta Suella Hill. Cert. check 10% payable to mayor required. Specifications on file in office of clerk. H. H. Jones, City Engineer.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications for the construction of 25,755 sq. ft. of artificial stone sidewalks in Potrero avenue between Mariposa and 21st streets. Estimated cost, $5,150.

OAKLAND, Cal.—Hutchinson Co., 444 17th St., Oakland, awarded contract by Council for improving portions of B St.: Grading, $.055 sq. ft.; concr. curb, $.75 lin. ft.; concr. gutters, $.26 sq. ft.; oil macadam pavement, $.1375 sq. ft.; cement sidewalks, $.18 sq. ft.; 8x24-in. corru. iron and concr. culverts, $4.50 lin. ft.; cast iron handhole, $10 each; granite header blocks, $10 each. Geo. Mattis, City Engineer.

SACRAMENTO, Cal.—City Commissioners petition to improve 7th Ave. from 37th St. to Sacramento Blvd. Albert Givan, City Engineer.

RENO, Nevada. — J. H. Hoffman, Reno, at $9.35 per ft., awarded contract by Council to construct approximately 420 ft. of reinforced concrete retaining wall in the vicinity of Wingfield Park. Only other bidder, Duncan & Frandsen, Reno, $14.00 per ft. Harry Chism, City Engineer.

ALBANY, Alameda Co., Cal.—City Trustees, N. Vierra, Clerk, pass res. of int. No. 5 to construct concrete culverts, catchbasins, pipe connections in Spokane and Portland Aves.

Res. of int. No. 3 to construct concrete culverts, catchbasins, manholes and pipe connections in Ramona, Carmel, Washington, San Gabriel and Santa Fe Aves.

Res. of int. No. 4 to construct reinforced concrete culverts, sewers, manholes and catchbasins in various sections of the city. C. L. Huggins, City Engineer.

SACRAMENTO, Cal.—Until Sept. 15, 9 p. m., bids will be received by M. J. Desmond, City Clerk, for improving Catala Way from manhole in place in Stockton Blvd. to east line of Ford's Addition by constructing 8-in. vit. pipe sewer with 17 6-in. vit. wye branches and 1 6-in. vit. flusher branch.

Separate bids, same date, for improving alley between 12th and 13th Sts. from sewer in place in 44th Ave. to 47th St., by constructing 8-in. vit. pipe sewer with 42 6-in. vit. wye branches and 3 concrete manholes. Certified check 10% payable to city required. Albert Givan, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—City Council, John J. Lynch, Clerk, passes res. of int. to improve Ninth St. from Santa Clara to San Julian St. by grading, paving with asphaltic concr. wearing surface 1½ ins. thick on asphaltic concr. base 3 ins. thick, constructing 3 brick catchbasins.

Second St. between Hensley and Empire by grading, paving with a 1-in. asphaltic concr. wearing surface on an asphaltic concr. base 3½ ins. thick, where not already.

Council passes resolution ordering improvement of crossing of Hensley Ave. and Second St. by paving with 1½-in. asphaltic concr. wearing surface on a 3-in. asphalt concr. base, constructing 4 brick catchbasins. Wm. Popp, City Engineer.

SAN DIEGO, Cal.—Until 10:30 a. m., Sept. 14, bids will be received by Supervisors of San Diego County for constructing culverts, headwalls, rock retaining walls, earth and rock excavation, embankments, surfacing with disintegrated granite or earth and removing fences on Julian Rd. No. 3-A, Foster to top of Mussey grade, 23,345 lin. ft. Charge of $5 made for plans, obtainable at office of Highway Commission, 533 Union Bldg., San Diego. Certified check or bond of 5%. R. M. Morton, Highway Engineer.

SEATTLE, Wash.—Fiorito Bros., Seattle, at $62,000, awarded contract by King County Commissioners for paving two miles of the Auburn-Pierce County line section of the East Valley Highway south from Auburn.

SACRAMENTO, Cal.—Clark & Henery Construction Co., Ochsner Bldg., Sacramento, awarded contract by Council for improving 33rd St. from I to J by grading, constructing 1 concrete manhole and reconstructing 1 existing manhole, placing 5 C. I. gutter drains and connecting same to sewer with 6-in. vit. sewer pipe, constructing 4-in. vit. pipe sewer stubs and paving with 5½-in. asphaltic concrete.

Clark & Henery also awarded contract to improve 32nd St. from L St. to Folsom Blvd. by grading, constructing concrete curbs and gutters, cast iron gutter drains and connecting same to sewer with 6-in. vit. sewer pipe, 2 con. manholes with C. I. curbs and covers, constructing 8-in. vit. pipe sewer and connecting manholes, grading and paving with asphaltic concrete 5½ in. thick. Improving M St. from 32nd to 33rd St. by constructing concrete curbs and gutters, one concrete manhole, 8-in. vit. pipe sewer connecting manhole to sewer, grading and paving with asphaltic concrete 5½ ins. thick. Improving L St. from 32nd to 33rd St. by constructing concrete curbs and gutters, one concrete manhole, cast iron gutter drains connecting same to sewer with 6-in. vit. pipe, constructing 8-in. vit. pipe sewer, grading and paving with asphaltic concrete 5½ ins. thick. Albert Givan, City Engineer.

SACRAMENTO, Cal.—City Commissioners, M. J. Desmond, Clerk, pass res. of int. to improve Sacramento Blvd. from sewer in place in 9th Ave., to 14th Ave., by constructing vit. pipe sewer with 42 6-in. vit. wye branches, 7 concrete manholes; 12th Ave. from point 10 ft. east of 37th St., north 680 ft. east of Sacramento Blvd., by constructing vit. pipe sewer with 27 6-in. vit. wye branches, 4 concrete manholes; 38th St. from manhole in place in 12th Ave. to point 400 ft. north by constructing vit. pipe sewer with 14 6-in. vit. wye branches, 1 concrete manhole. Albert Givan, City Engineer.

LOS ANGELES, Cal.—Improvement of an extension of Santa Barbara Ave. from Los Angeles city line to Mesa Dr., a distance of 1 mi., has been started by County Road Commissioner Jones by force account. The roadway will be graded and surfaced with disintegrated granite.

LODI, San Joaquin Co., Cal.—Until Sept. 12, 8 P. M., bids will be received by J. F. Blakely, City Clerk, for improving Pleasant Ave. from Lockford to Locust; from Locust to Elm; from Elm to Pine; from Pine to Oak; from Oak to Walnut, and from Walnut to Lodi Ave.

Elm St. from point 40 ft. west of Main St. to Cherokee Lane.

Stockton St. from Locust to Elm; Elm to Pine; Pine to Oak; Oak to Walnut; Walnut to Lodi Ave.

Church St. from Louie Ave. to Lockford; Lockford to Locust; Locust to Elm; Elm to Pine, Pine to Oak, Oak to Walnut; Walnut to Lodi Ave.

Lockford St. from Pleasant to School; School to Sacramento; Sacramento to a point 125 ft. east; all by grading, constructing hydraulic combined concrete curbs and gutters and paving with 1½-in. Warrenite wearing surface on an asphaltic concrete base 2½ in. thick. Imp. Act 1911 and Imp. Bond Act 1915. Certified check 10% payable to city required.

Clark & Henery Construction Co., Stockton, submitted the low bid for these projects on August 29, but it was rejected. L. F. Barzellotti, City Engineer.

SOUTH SAN FRANCISCO. — City Trustees reject bids for improving alley in block 102 from Spruce to Magnolia; alley in block 95 from Magnolia 600 ft. westerly; alley in block 117 from Maple to Spruce; alley in block 119 from Maple to Spruce; alley in block 99 from Spruce to Magnolia by grading and constructing steel wire mesh reinforced concrete pavement 4 in. thick. Project runs in the neighborhood of $20,000. Geo. Kneese, City Engineer.

TURLOCK, Stanislaus Co., Cal.—Until Sept. 20, 8 p. m., bids will be received by A. P. Ferguson, City Clerk, for:

Improving Lander Ave. from Angelus St. to south city limits by removing asphalt covering and replacing same with a Warrenite Bitulithic wearing surface 1½ ins. thick.

Separate bids for improving portions of Myrtle, Merritt and Sycamore Sts. by grading, constructing concrete curbs and gutters and paving with an asphaltic concrete base 2½ inches thick with a Warrenite Bitulithic wearing surface 1½ ins. thick.

Separate bids for improving Marshall St. from pavement in place in South Front St. to Bell St. by grading, paving with an asphaltic concrete base 3 ins. thick with Warrenite Bitulithic wearing surface 1½ ins. thick, cement concrete curbs and gutters. All under Improvement Act. 1911. Cert. check 10% payable to city required with each bid. Horace Hall, City Engineer.

RICHMOND, Contra Costa Co., Cal.—Council, A. C. Faris, Clerk, passes res. of int. to improve portions of Second St., Cutting Blvd. and Ohio Ave., by grading, paving with 2-course asphalt concrete 5 ins. thick, cement concrete curbs, gutters and sidewalks, corrugated iron or steel culverts, vit. sewers, etc. Protests Sept. 19th. H. D. Chapman, City Engineer.

BURBANK, Los Angeles Co., Cal.—A tabulation of bids received Aug. 23 for construction of a sewer system for the city was presented to the City Trustees by Engineers Koebig & Koebig, Title Insurance Bldg., Los Angeles. Acceptance of the bid of R. J. Gillespie, 1537 Mariposa Ave., Los Angeles, was recommended, but action postponed. Following are the totals of the bids received, prices having been asked for both cem. and vit. pipe:

R. J. Gillespie, Los Angeles—(a) sewers, cem. pipe, $37,674.90; (b) sewers, vit. pipe, $38,376.53; (c) activated sludge treatment plant, $16,407.50; (d) cem. pipe sewers and treatment plant, $54,082.40; (e) vit pipe sewers and treatment plant, $54,784.03.

I. S. Reynolds, Los Angeles—(a) $35,-804.98; (b) $35,450.44; (c) $18,412.50; (d) $54,217.48; (e) $53,862.94 (offer to take all bonds).

Fleming Constr. Co., Pomona—(a) $42,157.28; (b) no bid; (c) $15,915.30; (d) $55,099.25; (e) no bid (take all bonds).

King City Concr. Co., King City—(a) no bid; (b) $26,879.85; (c) $15,-955.60; (d) no bid; (e) $42,835.45 (add $7000 for bonds).

Pernel Barnett, Orange—(a) $37,-723.70; (b) $37,551.25; (c) no bid; (d) no bid; (e) no bid (for bonds to cover bid add $5122.43).

E. L. Plantici, Los Angeles—(a) $46,714.94; (b) $48,103.92; (c) $12,222.25; (d) $58,937.19; (e) $60,326.17 (to take all bonds).

Farley & Farley, San Fernando—(a) $37,716.12; no other bid.

D. J. Milosevich, Los Angeles—(a) $51,668.31; no other bid.

Wattson & Wattson, Los Angeles—(a) $41,935.72; (b) $42,509.45; (c) $18,-530.20; (d) $60,460.92; (e) $61,039.65 (take all bonds).

United Concr. Pipe Co., Ventura—(a) $49,647.65; (b) $51,480.40; (c) $15,-559.25; (d) $65,206.90; (e) $67,539.65.

S. M. Kerns, Long Beach—(a) $54,-342.65; (b) $54,400.15; (c) $15,915.30; (d) $70,257.95; (e) $70,315.45.

Peter L. Ferry, Glendale—(a) no bid; (b) $96,569.10; (c) $20,564; (d) no bid; (e) $117,133.10.

John Sutalo, Los Angeles—(a) $47,-930.10; (b) $47,654.10; no other bid.

YUBA CITY, Sutter Co., Cal.—Until Sept. 19, 8 p. m., bids will be received by C. C. Kline, Town Clerk, for improving Shasta St. from Bridge St. to its north end; Teegarden Ave. from Shasta St. to pavement in place in Plumas St.

Separate bids, same date, for improving Sutter St., in the Cooper tract, from Plumas to Cooper; Forbes Ave. from present pavement in Plumas St. to Cooper Ave.; Walnut St. from Sutter in Cooper tract to south line of Parkhurst Addition; Parkhurst St. from Forbes Ave. to south line of Parkhurst Addition; Almond St. from Sutter to Forbes Ave., and from Forbes Ave. to street running over lot 32 of Alta Addition; portions of Alpine Ave., Chestnut, Olive, Orange and Scott Sts.; all by grading, paving with 5-in. concr., including construction of concr. curbs, etc.; Improvement Act 1911. Certified check 10% payable to town required. Edward von Geldern, Town Engineer.

LOS ANGELES, Cal.—Tabulation of bids for Lancaster water system opened by County Supervisors, Aug. 29, has not been completed, but it would appear that the following are low bidders: Byron Jackson Iron Works, pump; R. F. Ware, 2126 E. 38th St., Los Angeles, trenching and back-filling; Water Works Supply Co., fire hydrants; Grinnel Co., gate valves and special U. S. Cast Iron Pipe & Foundry Co., cast iron pipe; Hull Bros., Lancaster, concr. work. Bids of Chicago Bridge Co. and Des Moines Bridge & Steel Co. for steel tank and tower are very close. F. G. Dessery and E. R. Bowen, Los Angeles, consulting engineers.

CALIFORNIA.—State Highway Commission awards contracts as follows:

Grant Smith & Co., Flood Bldg., San Francisco:

Marin and Sonoma Counties.—Between Ignacio and Fairville (IV-Mrn-Son-8-A), about 9.5 miles in length, to be paved with asphalt concrete, $138,-204. Engineer's estimate, $188,624.15.

C. H. Hudson, Los Angeles:

Santa Barbara County.—Between San Jose Creek and Stony Creek (V-S.B.-2-K), about 2.0 miles in length, to be paved with Portland cement concrete, $40,545.50; engineer's estimate, $51,-418.40.

J. G. Beckjord, Los Angeles:

Los Angeles County — Between Rancho El Encino and Shoup Ave., (VII-L.A.-2-B), about 5.7 miles in length, to be paved with Portland cement concrete, $42,497.50; engineer's estimate, $52,166.87.

SANTA CRUZ, Santa Cruz Co., Cal.—City Council, S. A. Evans, Clerk, pass res. of int. to improve portions of Cayuga St., Soquel Ave., Pine St., etc., Imp. Act 1911. Project involves: 108,-022.56 sq. ft. grading; 107,822.82 sq. ft. 5-in. concr. pavement; 179.14 sq. ft. concr. sidewalks (including 76.54 lin. ft. concr curb), 41.20 lin. ft. concr. curbs for present sidewalks; 1,694.35 lin. ft. 14-in. concr. pipe; 1,754.63 lin. ft. 12-in. concr. pipe; 223.90 lin. ft. 10-in concr pipe; 5 concr. catchbasins; 15 combination catchbasins and manholes; 104 lin. ft. corr. iron culverts; 1380 lin. ft. 4-in. vit. pipe sewer; 46 handhole traps, etc. Protests will be heard Sept. 20. James K. James, City Engineer.

SAN DIEGO, Cal.—Until 10:30 a. m., Sept. 14, bids will be received by Supervisors of San Diego County for constructing culverts, headwalls, rock retaining walls, earth and rock excavation, embankments, surfacing with disintegrated granite or earth and removing fences on Julian road No. 3-A, Foster to top of Mussey grade, 23,345 lin. ft. Charge of $5 made for plans, obtainable at office of Highway Commission, 533 Union Bldg., San Diego. Certified check or bond for 5%. R. M. Morton, Highway Engineer. The approximate quantities are: 25,000 cu. yds. excav., 900 cu. yds. borrow; 300 cu. yds. excavating for wall footings; 933 cu. yds. contingencies in excav.; 14,822 cu. yds. embank.; 871 cu. yds. rubble masonry retaining wall; 200 cu. yds. dry rubble retaining wall; 2205 lin. ft. parapet; 4560 lin. feet border stones; 500 cu. yds. excav. and backfill for culverts; 805 cu. yds. Class A concrete; 85.32 cu. yds. concr. for headwalls; 580 lbs. reinforcing steel.

LOS ANGELES, Cal.—W. D. McCray, 424 American Bank Bldg., awarded the contract at $33,342.17 for improving Van Horne Ave. between a point 472 ft. north of Lathrop St. to Huntington Dr. North, involving 463 sq. ft. asph. paving at 70c ft.; 271 sq. ft. concr. paving at 40c ft; 104,396 sq. ft. grading at 8c ft.; 104,396 sq. ft. grading and oiling at 7c ft.; 7100 ft. curb at 70c ft.; 28,402 sq. ft. sidewalk at 24c ft; 14,767 sq. ft. concr. gutter at 37c ft.

BAKERSFIELD, Kern Co., Cal.—Engineer Paul E. Kressly, Los Angeles, commissioned by Supervisors to prepare plans for road work under District Improvement No. 15.

County Surveyor instructed to prepare plans for improving railroad crossing on Road 273. F. E. Smith, County Clerk.

LOS ANGELES, Cal.—Old proceedings for improvement of Lark Ellen Ave. in Road Imp. Dist. No. 168 have been abandoned by County Supervisors and County Road Commissioner Jones has been instructed to prepare new specifications. Contract for this work was awarded some time ago but was not signed.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications for constructing approximately 43,410 sq. ft. of artificial stone sidewalks in Monterey Boulevard between Circular Ave. and Hamburg St.

FRESNO, Fresno Co., Cal.—Ordinances for paving Roosevelt, Echo and Elizabeth Sts. will be rescinded by the City Commission and new proceedings will be started, the city attorney being instructed to prepare necessary ordinances. Property owners presented a new petition for 5-in. concr. pavement on Roosevelt St.

SAN JOSE, Santa Clara Co., Cal.—Until Sept. 12, 5 p. m., bids will be received by John J. Lynch, City Clerk, for improving 2nd St. from Hensley to Empire by grading, paving with a 1-in. asphaltic concr. wearing surface on an asph. concr. base 3½ ins. thick.

Separate bids, same date, for improving crossing of Hensley Ave and 2nd St. by grading, paving with a 1-in. asph. concr. wearing surface on a 3-in. asph. concr. base and constructing 4 brick catchbasins. Certified check 10% payable to City Manager required with each bid. Wm. Popp, City Engineer.

GLENDALE, Los Angeles Co., Cal.—P. S. Tomich, 425 N. Fremont Ave., Los Angeles, submitted the lowest bid at $20,808.10, using vit. or cem. pipe, for constructing sewer in Glendale Ave., Verdugo Rd. and Canada Blvd. in Munc. Imp. Dist. No. 3; bid opened Sept. 1, 1921. Other bids received were Mlagenovich & Gillespie, 1029 W. 36th St., Los Angeles, $25,008.41 for vit. and $24,686.72 for cem. pipe; John Sutalo, Los Angeles, $25,620.62 vit. or cem.; Sidney Smith, Los Angeles, $26,637.57 vit. and $25,881.96 cem.; Peter L. Ferry, Glendale, $31,455.90 vit. and $31,439.34 cem.; E. L. Plantico, Los Angeles, $32,779.09 vit. and $32,294.19 cem.; Leo Miletich, Los Angeles, $39,746.62 vit. or cem.; engineer's estimate, $27,648.55. Bids taken under advisement.

EAST SAN DIEGO, Cal.—C. B. Boyd of East San Diego submitted the lowest bid at $249,880 for constructing about 30 miles of lateral sewers. Contract will probably be awarded at meeting of City Trustees, Sept. 15. Geo. R. Daley of San Diego submitted the only other bid. E. Paul Ford, City Engineer. The approximate quantities are: 92,689 ft. 6-in. vit. clay pipe sewer; 60,343 ft. 8-in. cem. pipe sewer; 541 ft. 6-in. and 132 ft. 8-in. cast iron pipe sewer; 6550 6-in. Y branches; 4257 8-in. Y branches; 45 cu. yds. concr. in piers to support cast iron pipe; 443 concr. manholes, and 53 concr. flush tanks.

OROVILLE, Butte Co., Cal.—Albert A. Plagge, Oroville, at $1128.50, awarded contract by Oroville Union High School District to construct curbs and gutters on high school property abutting on Bridge St. Bid of Geo. Matskovitch at $1078 did not conform with specifications and was not considered. Other bidders: J. H. Strohman, $1350, and I. J. Belfranci, $1436.30. All bidders of Oroville.

SANTA CRUZ, Santa Cruz Co., Cal.—Until Sept. 12, 5 p. m., (to be opened Sept. 13, 9:45 p. m.) bids will be received by S. A. Evans, City Clerk, for improving portions of Bay St., involving 88,819 sq. ft. grading; 54,039.80 sq. ft. 5-in. concr. pavement; 1983.21 lin. ft. 6-in. vit. sewer; 896 lin. ft. 4-in. laterals; 68 wye branches; 9 brick manholes; 2856.87 ft. 12-in. concr. drain pipe; 12 combination catchbasins and manholes; 2 brick catchbasins. Certified check 10% payable to city required with each bid. James K. James, City Engineer.

POMONA, Los Angeles Co., Cal.—The city of Pomona contemplates constructing about 25 miles of sewer preliminary to carrying out a big paving program. R. F. Goudey, engineer of the State Board of Health, who has investigated the situation, in a report submitted to the mayor recommends a new sewage disposal system in which La Verne and Claremont, adjoining towns, should be included. City Engineer Froehde is now studying the report

LOS ANGELES, Cal.—Until 10 a. m., Sept. 19, bids will be received by Board of Public Works for improving Hoover St. between Slauson and Manchester Aves., a distance of 10,585 ft., involving 541,089 sq. ft. 6-in. concr. pavement, 19,290 lin. ft. curb, 95,211 sq. ft. sidewalks, 8 sq. ft. gutter, 733 ft. house connection sewers and a reinf. concr. culvert. Excavation amounts to about 20,000 cu. yds. Work will be done under 1911 Act.

BLYTHE, Riverside Co., Cal.—Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, has been retained as engineer for the proposed graveled roads in the Ripley district.

EUREKA, Humboldt Co., Cal.—City Engineer H. H. Hannah preparing specifications for improving Union St. from Wabash to Pacific Ave.

PHOENIX, Ariz.—R. L. Ballenger, Phoenix, awarded contract for improving Portland St., involving 7184.91 sq. yds. paving at $2.50 yd.; 7274.5 sq. yds. grading at 30c yd.; 4656.93 lin. ft. combined cem. curb and gutter at $1.50 ft. and minor items. Pacific Const. Co., Phoenix, awarded contract for improving Van Buren St., involving 5228.1 sq. yds. paving at $2.90 yd.; 5428.1 sq. yds. grading at 35c yd.; 4771.2 lin. ft. combined cem. curb and gutter at $1.50 per ft., and minor items.

CALIFORNIA.—Following bids received by State Highway Commission at Sacramento, Sept. 6th:

Tuolumne County, between westerly boundary and one mile north of Keystone (III-Tuo-13-A), about nine and four-tenths (9.4) miles in length to be paved with Portland cement concr. Project involves 11,500 cu. yds. Class A Portland cement concrete (pavement). Commission will furnish reinforcing steel, cement and a portion of the sand and coarse aggregate for concrete in stockpiles along the work.

Warren Constr. Co., Portland, Ore.	$149,500
Pacific Const. Co., San Francisco	189,750
Engineer's estimate	115,000

Tuolumne County, between Jamestown and Sonora (II-Tuo-13-B) about three and five-tenths (3.5) miles in length to be paved with Portland cement concrete. Project involves 9700 cu. yds. excavation without classification; 4560 cu. yds. Class A Portland cement concrete (pavement); 25 cu. yds. Class A Portland cement concrete (culverts and monuments); 158 lin. ft. 12-in., 6 lin. ft. 18-in., 50 lin. ft. 36-in. corrugated metal pipe; 200 lin. ft. guard rail; 220 monuments. Commission will furnish reinforcing steel, corrugated metal pipe and cement:

J. A. Costello, Jr., San Francisco	$82,466.00
Warren Constr. Co., Portland, Ore.	92,086.50
Pacific Constr. Co., San Francisco	99,426.00
Engineer's estimate	49,374.50

MARTINEZ, Contra Costa Co., Cal.—Following bids were received by supervisors for paving of the road from the north end of 23rd St., Richmond, to the State Highway at San Pablo, approximately one-quarter of a mile. Bids were taken for concrete and black asphaltic base 18 ft. wide: E. E. O'Brien, concrete, $11,619.76; Frank Ansey, concrete, $10,441.44; black base, $12,675.44; E. E. Grow, concrete, $11,100.91; black base, $10,904.55; Hutchinson Co., concrete, $11,198.70; black base, $13,977.90; S. C. Rogers, concrete, $13,305.08; black base, $12,593.00; L. L. Page, concrete, $12,556.39; black base, $13,537.15. R. R. Arnold, County Engineer.

SAN JOSE, Santa Clara Co., Cal.—County Engineer Irving L. Ryder instructed to improve Blaney and Bollinger Rds., Interurban track, Rose Lawn and Cypress Ave.

SACRAMENTO, Cal.—Until Sept. 15, 10 p. m., bids will be received by M. J. Desmond, City Clerk, for excavating for the filtered water basin of the city filtration plant, Contract No. 20. The top area of the excavation will be 330 feet by 184 feet and the average depth of excavation below the surface 14.9 feet. There are approximately 29,400 cu. yds. of earth to be removed, of which there are, roughly, 21,000 cu. yds. of top soil, 3500 yds. of silty clay and 4000 cu. yds. of sand, and the work must be completed within 40 days after signing the contract. Certified check $6000 payable to City Clerk required with each bid. No informal or irregular proposal will be considered. Specifications may be had from the office of the Filtration Division on deposit of $5, returnable.

HANFORD, Kings Co., Cal.—County Supervisors planning the purchase of equipment for county garage building. In addition to machinery and tools the Supervisors plan the construction of a wire fence about 400 feet long. Roy May, County Engineer.

SAN LUIS OBISPO, Cal.—Riverside Portland Cement Co. awarded contract by the Supervisors to furnish and deliver 16,000 barrels of Poraland cement for use on the county highway system. Warren Burch, County Engineer.

SAN RAFAEL, Marin Co., Cal.—H. Lubercke, San Rafael, at $2493, awarded contract by Council for constructing concrete pavement, with steel reinforcement, in Petaluma Ave. extension. Other bidders: Schluneggar Bros., Petaluma, $4725; S. P. Brownlee, San Rafael, $2790. H. K. Brainerd, City Engineer.

VALLEJO, Solano Co., Cal.—City Council, Alf. E. Edgcumbe, Clerk, passes res. of int. to improve Reo alley in block 484 from Sonoma to Sutter Sts. by grading, constructing redwood curbs and paving with 5-in. concrete. Imp. Act 1911. Protests Sept. 26. T. D. Kilkenny, City Engineer.

SANTA ANA, Orange Co., Cal.—All bids received by County Supervisors for grading McKinley Ave. in 5th road district, were rejected as too high and the work will be done by force account under supervision of County Engineer J. L. McBride. The bids were: L. J. Turner, $9717.40; T. W. Oglesby, $10,347.58; Steele Finley, $11,664.92.

SALINAS, Monterey Co., Cal.—No bids received by Supervisors for improving Vineyard Canyon road and work ordered done by day labor under supervision of County Engineer Howard Cozzens.

LOS ANGELES, Cal.—Wm. Liddington, 420 E. 60th St., submitted lowest bid to Board of Public Works, at $65,857.09, for improving Norton Ave. between Wilshire Blvd. and Pico St. A. D. Chalmers, 728 H. W. Hellman Bldg., submitted next lowest bid at $65,870.98. Tryon & Brain bid $65,950.33. Project involves 225,006 sq. ft. grading; 225,006 sq. ft. concr. paving; 2497 sq. ft. grading and oiling; 1802 ft. curb; 1374 sq. ft. sidewalk; 786 ft. house connection sewers.

VISALIA, Tulare Co., Cal.—Valley Paving & Constr. Co. (Caldwell & Freeman), Goldstein Bldg., Visalia, at $44,261 submits only bid to Trustees for improving portions of E. Mineral King Ave. by grading, paving with 4-in. asphaltic concrete base with a 1½-in. Topeka wearing surface, hydraulic concrete combination curbs and gutters, catchbasins, etc. Taken under advisement. L. H. Gadsby, City Engineer.

REDWOOD CITY, San Mateo Co., Cal.—Supervisors vote to levy direct tax to finance construction of 14 miles of road from Pescadero to the Santa Cruz county line in the Fifth township. County Engineer Geo. Kneese estimates construction at $80,000, specifications providing for resurfacing the present road, lightly scarifying the entire length and covering with crushed rock to the average depth of three inches, all to be watered, rolled, surfaced with rock screenings and oil.

VALLEJO, Solano Co., Cal.—T. E. Clinch, 668 Ninth St., Richmond, has been awarded a contract by Vallejo School Board to construct sewers in the northwest section of the city for the Roosevelt and high schools. T. D. Kilkenny, City Engineer.

STOCKTON, San Joaquin Co., Cal.—County Engineer F. E. Quail instructed to prepare specifications for grading and graveling the Horn road in the districts of Supervisors French and Ansbro. The road will be improved for a distance of 4.4 miles.

OROVILLE, Butte Co., Cal.—R. A. Bayles, Biggs, at $.17 cu. yd. awarded contract by the Supervisors for grading the Gridley-Colusa road for a distance of 5 miles. Other bidders: W. A. Kettlewell & Son, Kingsburg, $.45 cu. yd.; Arthur D. Dunlap and David R. Price, Briggs, $.27 cu. yd.; D. J. Murphy, Marysville, $.24 cu .yd.; Justison & Randolph, Gridley, $.18½ cu. yd.; Lewis & Boyles, Biggs, $.19½ cu. yd. Project involves approximately 33,500 cu. yds. H. H. Hume, County Engineer.

COLUSA, Colusa Co., Cal.—Ohrt & Healey, Colusa, awarded contract by City Trustees to furnish 500 yds. of gravel, delivered, $1.10 a yard; spread over streets, $1.20 a yard.

BERKELEY, Alameda Co., Cal.—Until Sept. 23, 10 a. m., bids will be received by E. M. Hann, City Clerk, for constructing concrete curbs and paving with concrete with an asphalt and screening surface the east side of Shattuck Ave. from Allston to Bancroft Way and constructing 18-in. and 10-in. sewers, catchbasins, and manholes. Imp. Act 1911.

Separate bids, same date, for constructing cement sidewalks, 6 ft. wide, in portions of Berkeley Way, Hearst Ave., Delaware, Francisco, Lincoln Sts., etc. Imp. Act 1911. Certified check 10% payable to city required with each bid. C. L. Huggins, City Engineer.

SAN LUIS OBISPO, Cal.—Supervisors reject two bids received for surfacing Section C-1 of the San Luis Obispo and Cambria road. Warren Burch, County Engineer.

MADERA, Madera Co., Cal.—Until Sept. 23, 5 P. M (to be opened same date at 8 P. M.), bids will be received by Lillian W. Rhodes, City Clerk, for constructing extensions to city water mains. Certified check for $2,000 required with each bid. Plans on file in office of Clerk. Frank Nikirk, City Engineer.

PACIFIC GROVE, Monterey Co., Cal.—City Trustees instruct engineer to prepare specifications for paving Forest avenue from Pine to Ocean View avenue, and Lighthouse avenue from Tennant street to Twelfth street.

SAN FRANCISCO—Until Sept. 21, 3 P. M., bids will be received by the Board of Public Works for improving Point Lobos Ave. between 48th Ave. and Great Highway; estimated cost, $130,000. M. M. O'Shaughnessy, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—E. E. Grow, Richmond, at $10,944.55 has been awarded a contract by the Supervisors for constructing black base pavement in Stockton street near Richmond connecting the state highway at San Pablo with the county highway leading into the City of Richmond. R. R. Arnold, County Engineer.

FRESNO, Fresno Co., Cal.—Following bids received by the Supervisors for highway construction:

Route 18, Section A—T. A. Hanrahan, Fresno, $165,593.59; Thompson Bros., 1514 H St., Fresno, $167,095.85. Engineer's estimate, $163,695. Awarded to low bidder.

Route 7, Section A—T. A. Hanrahan, $102,308.48; Thompson Bros., $108,440.64 Engineer's estimate, $100,117. Awarded to low bidder.

California Constr. Co., 1909 Fresno St., Fresno, at $230,658.64 awarded contract for paving on Elm Ave., to Kings county line in Supervisor Gonser's district. Hanrahan bid $232,297.30. Engineer's estimate, $222,690. Chris P. Jensen, County Road Engineer.

MARTINEZ, Contra Costa Co., Cal.—Warren Construction Co., Rialto Bldg., San Francisco, at approximately $24,026.17 submits low bid to Trustees for improving portions of Escobar St. by grading, paving with an asphaltic concrete base 4 in. thick with a Warrenite Bitulithic wearing surface 2 in. thick, constructing 8-in. corrugated pipe culverts; cement sidewalks, etc. James T. Sayles, Martinez, bid $28,463. It is possible the bids will be rejected and bids called for a concrete pavement. W. S. Farley, Town Engineer.

WINSLOW, Ariz.—Warren Bros. bid of $59,404.27 for paving streets in Winslow with bitulithic under Federal aid was accepted by the City Trustees. State Engineer Maddock has notified Mayor Creswell he will approve bitulithic paving only if it can be secured at the same price as concrete. Dan LaRoe submitted a bid of $46,559.55 for concr. paving.

PHOENIX, Ariz. — Final payment from bond buyers on the original $4,000,000 road bond issue of Maricopa County has been received by County Treasurer. The second bond issue of $4,500,000 will probably be offered for sale early in October. Of the original bond issue, $110,000 was set aside for special road districts.

BUSINESS OPPORTUNITIES

J. F. Busey, South Dos Palos, Cal., is in the market for small metal dies for marking metal tools.

Auto Armature & Electric Co., 4824 S. Main St., Los Angeles, wishes to get in touch with San Francisco electrical houses.

ONE THOUSAND ROOM APARTMENT BUILT ONE THOUSAND YEARS AGO

Complete and indisputable evidence of an apartment building of 1000 rooms which, in the belief of archeologists of the American School of Research, was occupied more than 1000 years ago by a vanished race has recently been unearthed in what is known as Chaco Canyon, New Mexico.

In recent years the desert sands have been swept aside in Chaco Canyon, revealing one wonder after another. But the greatest wonder of all was found last summer in Chettro Kettle, a section of Chaco Canyon. Here was disclosed, after a vast amount of excavation, the walls of a huge structure which, entirely buried for centuries, would occupy two large blocks if set down in a modern American city. In these walls are 50,000,000 pieces of quarried stone, not to mention thousands of logs, poles and slabs which were evidently cut in distant forests, transported by man power, and set in their respective places with the aid of stone implements.

While the work of excavation in Chettro Kettle has proceeded far enough to show the size, general shape, and some of the details of construction of this amazing structure, it is estimated that five years more will be required to complete the job. Enough evidence is already at hand, however, to demonstrate the marvelous constructive ability of the ancient but unknown race that was responsible for the building.

In enduring residential architectural qualities this race attained to levels not surpassed by the architects of the ancient world, for here is a building which, abandoned, unroofed, and in many places exposed to the elements, stands as very few specimen walls in any land have withstood the ages. Archeologists say that in wall construction the Chaco builders were unsurpassed and that it is doubtful if our modern masonry will be as enduring.—R. H. Moulton in The Outlook.

RECORD-BREAKING YEAR IN VALUE OF MINERAL PRODUCTS

The Geological Survey, Department of the Interior, has published its preliminary summary of Mineral Resources of the calendar year 1920, a pamphlet of 123 pages, which records for that year as the value of the mineral products of the country the astounding total of $6,707,000,000. This value is 20 per cent greater than that of the former record year, 1918, and 45 per cent greater than that of 1919.

The salient features of the mineral industry in 1920 are set forth in the short introduction. Many of the figures are preliminary and some are estimates, but the co-operation of those engaged in the mineral industry and the long experience of the Geological Survey in this work give assurance that the estimates represent very nearly the actual production.

The summary gives in compact form general tables showing the quantity and value of the domestic output of seventy or more mineral products in 1919 and 1920 and the total value of all minerals, by years, since 1880. It also shows the leading minerals (in value) for each State and the leading States in the production of each mineral, as well as the total value of the minerals imported and exported during the last two calendar years.

The general tables are followed by sections giving data on domestic and foreign productions, supplies, consumption, import, export, stocks, and prices for a series of years.

Concrete paving for country roads has come to stay—both literally and figuratively. Varied and extensive experiments and long time tests seem to indicate that, all conditions considered, concrete is the best material for permanency, minimum repairs and of satisfaction for traffic. There have been disappointments in concrete construction. Poor materitls, unskilled labor, lack of adequate drainage, and other details contributing to failure. Almost any other paving material is preferable unless concrete construction is brought up to the 100 per cent standard—Editoral in Burlington, Iowa, Hawkeye.

A North Dakota prison has a newspaper called the "Messenger," published and edited by its prisoners.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1818	Thorne	Swenson	940
1819	Bradley	Allen	3000
1820	Schnaittacher	Owner	1200
1821	Cutter	Satten	950
1822	Rousseau	Owner	50000
1823	Bloom	Heinauer	4145
1824	Braun	Owner	1000
1825	Hufschmidt	Hock	500
1826	Goodman	Owner	20000
1827	Hart	Allen	18000
1828	Chartack	Owner	3000
1829	Knutsen	Thorson	1500
1830	Freidrichs	Wilhelm	500
1831	Larson	Thulin	500
1832	Bach	Wilhelm	650
1833	Block	Taylor	3000
1834	Kinslow	Sharman	6935
1835	Beck	Anderson	19748
1836	Heywood	McLaughlin	500
1837	Oliver	Oliver	600
1838	Garibaldi	Owner	500
1839	White	Glaser	3800
1840	Wiseman	Schaible	500
1841	Rosella	Frank	500
1842	Getz	Thorsell	2580
1843	Patrick	Owner	500
1844	Kreusmayer	Owner	500
1845	Schwiger	Smith	3950
1846	Pratt	Owner	1200
1847	Dempniak	Owner	32500
1848	Zwierlien	Owner	6100
1849	Cary	Hewitt	3650
1850	Spotorno	Greene	8716
1851	Brauer	Owner	500
1852	Finly	Lorenz	500
1853	Noble	Owner	800
1854	Petersen	Owner	7000
1855	Roberts	Mowat	2750
1856	Crocker	Samuelson	3900
1857	Crocker	Samuelson	7000
1858	Crocker	Samuelson	3900
1859	Son	Bertrand	1500
1860	Hayes	Arthur	900
1861	Sutcamp	DeBurg	500
1862	Show	Holmes	900
1863	Little	Owner	2000
1864	Sachs	Atlas	1750
1865	Nelson	Owner	8000
1866	Same	Same	4000
1867	Wold	Owner	10000
1868	Avery-Fuller	Owner	10000
1869	Towle	Nelson	7500
1870	Thomas	Owner	9000
1871	Crosby	Merritt	1200
1872	Walsh	Merritt	750
1873	Euphrat	Merritt	500
1874	Curran	Central	——
1875	Cal Pac. Rlty	Neal	1950
1876	Perkins	Binet	600
1877	Olson	Owner	4000
1878	Morris	Owner	7000
1879	Fleming	Owner	500
1880	Virgilio	Owner	2000
1881	Michelin	Ward	9600
1882	Taubles	Owner	7900
1883	Whorskey	Owner	800
1884	Stanford	Mangrum	17000
1885	Schweiger	Smith	3950
1886	Greenhood	Coburn	1507
1887	Meyer	Nelson	16271

PERMITS

ALTERATION
(1818) 2574 BROADWAY. Enlarge bathroom and kitchen of residence.
Owner—Julian Thorne, 151 Sutter St.
Architect—None.
Contractors—Swenson & Franzen, 145 Natoma St. $940

RESIDENCE
(1819) E FAY 93½ S CLAY. One-story and basement frame residence.
Owner—Miss Bradley, care architect.
Architect—Earle B. Bertz, 68 Post St.
Contractor—Allen & Co., 168 Sutter St. $3000

ALTERATIONS, ETC.
(1820) 3513 JACKSON ST. Alterations for private garage; concrete floor, etc.
Owner—Sylvania Schnaittacher, 233 Post St.
Architect—Plans by owner.
Day's work. $1200

PARTITION, ETC.
(1821) 437 MARKET ST. Erect metal lath and plaster partition; other alterations and repairs for restaurant and store.
Owner—E. A. Cutter, 1323 Arch St., Berkeley.
Architect—None.
Contractor—H. J. F. Satten, 2925 Hillgass Ave., Berkeley. $950

OFFICE BLDG.
(1822) N SUTTER 137.5 E STOCKTON. Five-story and basement reinforced concrete office bldg.
Owner—A. F. Rousseau, 110 Sutter So.
Architect—David Coleman, 110 Sutter St.
Contract not yet let. $50,000

FLATS
(1823) E 3RD AVE 56 S CLEMENT. Two-story and basement (2) flats.
Owner—Sol. Bloom Estate, 825 Monadnock Bldg.
Architect—J. C. Hladik, Monadnock Bldg.
Contractor—S. Heinauer, 3926-A Sacramento Sa. $4145

ALTERATIONS
(1824) 338 HIGHLAND AVE. Raise alter and add to dwelling.
Owner—Franz Braun, Premises.
Architect—None.
Day's work. $1000

UNDERPIN
(1825) 628 MISSION. Underpin east wall of three-story brick building.
Owner—Hufschmidt Estate, 915 McAllister St., San Francisco.
Architect—None.
Contractor—Chas. W. Hock, 180 Jessie St., San Francisco. $500

APARTMENTS
(1826) E TWENTY-SECOND AVE. 100 N Lake. Three-story and basement frame (3) apartments.
Owner—Miss Laura Goodman, 86 West Clay Park, San Francisco.
Architect—C. A. Applegarth, 1300 Claus Spreckels Bldg., San Francisco.
Day's work. $20,000

RECORDED

BUILDING, ETC.
(1827) W FOURTEENTH AVE 57 N Balboa N 35xW 100. All work for two-story frame building and garage.
Owner—Dr. Morton Hart, Cr. Architect
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Post St., San Francisco.
Filed Sept. 2, '21. Dated Aug. 12, '21.

Frame up $4500
1st coat plaster on..... 4500
Completed 4500
Usual 35 days..... 4500
TOTAL COST, $18,000
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported August 11, 1921, No. 1669.

DWELLING
(1828) SW DWIGHT AND GIRARD. Two-story and basement frame dwelling.
Owner—M. Chartack, 103 Dwight St., San Francisco.
Architect—Antone Petersen, 2770 San Bruno Ave., San Francisco.
Day's work. $3000

ALTERATIONS
(1829) 1383 FORTY-FOURTH AVE. Minor alterations and additions to flats.
Owner—Knut Knutsen, Premises.
Architect—Albert Farr, 60 Post St., San Francisco.
Contractor—Gustav Thorson, 1351 44th Ave., San Francisco. $1500

ALTERATIONS
(1830) 2167 FOLSOM. Raise foundations of office and factory to conform with street grade.
Owner—H. Freidrichs, Premises.
Architect—None.
Contractor—A. H. Wilhelm, 180 Jessie St., San Francisco. $500

ALTERATIONS
(1831) 178 GUERRERO. Change location of window in flats, repair foundation, etc.
Owner—O. F. Larsen, Premises.
Architect—None.
Contractor—A. L. Thulin Co., 242 18th Ave., San Francisco. $500

ALTERATIONS
(1832) 2108 STOCKTON. Underpin South wall of malt hoppers with concrete and restore wood construction where decayed.
Owner—Chas. Bach Co., Premises.
Architect—None.
Contractor—A. H. Wilhelm, 180 Jessie St., San Francisco. $650

FRAME STORE
(1833) S TARAVAL 32-6 E 25th Ave. One-story frame store.
Owner—Julius Block, 1351 Taraval St., San Francisco.
Architect—None.
Contractor—Taylor & Jackson, 290 Tehama St., San Francisco. $3000

RECORDED

(1834) S HOWARD 237-6 E Fourth S 80 x E 50. All work for 1-story frame store building.
Owner—F. Kinslow, Flood Bldg.
Architect — O'Brien Bros., Inc., 240 Montgomery.
Contractor—T. L. Sharman, 1440 Shafter Ave.
Filed Sept. 3, '21. Dated Sept. 1, '21.
On 1st and 15th of each month..75%
Usual 35 days.....25%
TOTAL COST, $6935
Bond, $3467; sureties, Leon J. Hermitte, Alfred Bothe; forfeit, $15; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Aug. 30, 1921, No. 1780.

APARTMENTS
(1835) E POWELL 68-6 N Bush N 69 xE 67-6. Excavating, bulkheading, plain reinforced concrete work, etc., for six-story Class C apartments.
Owner—Edward Beck, 281 Lee Ave., Oakland.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Contractor—Anderson & Ringrose, 320 Market St., San Francisco.
Filed Sept. 3, '21. Dated Aug. 26, '21.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $19,748
Bond, $9874. Surety, Fidelity & Deposit Co. of Maryland. Limit, 60 days. Forfeit, $25. Plans and specifications filed.
NOTE:—Permit reported June 25 1921, No. 1407.

BULKHEAD
(1836) 737 HOWARD. Construct retaining bulkhead.
Owner—Heywood Wakefield Co., Prem.
Architect—None.
Contractor—Jas. L. McLaughlin, 251 Kearny St., S. F. $500

ALTERATIONS
(1837) 278 HOWTH. Enlarge two rooms for cottage.
Owner—Catherine Oliver, Premises.
Architect—None.
Conotractor—H. A. Oliver, Premises. $600

HOT HOUSE
(1838) E HAMERTON 66 S Woolsey. One-story frame hot house.
Owner—V. Garibaldi, 14 Craner St., San Francisco.
Architect—None.
Day's work. $500

BAKE OVENS
(1839) N MISSION 100 E Sixth. Construct 2 brick bake ovens.
Owner—White Lunch Co., 122 Kearny St., San Francisco.
Architect—None.
Contractor—P. P. Glaser & Co., 180 Jessie St., San Francisco. $3800

ALTERATIONS
(1840) S OAK 100 E Shrader. Construct 4 rooms in rear of attic; tar and gravel roof; plaster partitions, etc.
Owner—Mrs. J. T. Wiseman, 1979 Oak St. ,San Francisco.
Architect—None.
Contractor — R. M. Schaible, 1452 Haight St., San Francisco. $500

ALTERATIONS
(1841) 2978 PINE. Alter for private garage; cement steps, etc., for cottage.
Owner—G. Rosella, 28 John St., S. F.
Architect—None.
Contractor—Carl Frank, 305 Bocana St., San Francisco. $500

RESIDENCE
(1842) W THIRTY-THIRD AVE 225 S Geary. One-story and basement frame residence.
Owner—Sol Getz & Sons, 328 Chronicle Bldg., San Francisco.
Architect—None.
Contractor—D. Thorsell, 563 37th Ave., San Francisco. $2580

ALTERATIONS
(1843) 1603 VALLEJO ST. Remove wood and replace with cement floor, etc., for fruit store.
Owner—William Patrick.
Architect—None.
Day's work. $500

ALTERATIONS
(1844) 239 BRODERICK. Construct stairway; plaster partitions for 2 flats.
Owner—Charles Kreusmayer, Premises
Architect—None.
Day's work. $500

RESIDENCE
(1845) E EDINBURGH 75 S Brazil. One-story and basement frame residence.
Owner—Josef and Kathrina Schwiger, 415 Edinburgh St., San Francisco.
Architect—None.
Contractor—Martin Smith, 144 Girard St., San Francisco. $3950

REPAIRS
(1846) NW HOWARD AND SPEAR. Repair sidewalks; construct concerte wall and move elevator pit.
Owner—Orville C. Pratt.
Architect—Bakewell & Brown, 251 Kearny St., San Francisco.
Day's work. $1200

APARTMENTS
(1847) NW LEAVENWORTH AND Vallejo. Three-story and basement frame (12) apartments.
Owner—Michael Dempniak, 355 Octavia St., San Francisco.
Plans by Owner.
Day's work. $32,500

ADDITION
(1848) S SOUTH PARK 140 W Second Two-story addition to east side of present factory building.
Owner—C. Zwierlien, 1624 Grove St., San Francisco.
Architect—None.
Day's work. $6100

RESIDENCE
(1849) E TWENTY-SECOND AVE 66-8 S Taraval. One-story and basement frame residence.
Owner—T. E. Cary, 5374 Shafter Ave., Oakland.
Architect—None.
Contractor—H. L. Hewitt, 9980 Stearns Ave., Oakland. $3650

RECORDED

ALTERATIONS
(1850) NE NORIEGA AND GREAT Highway, No. 1798 Great Highway. Alterations and additions to frame building.
Owner—G. P. Spotorno, 1798 Great Highway, San Francisco.
Plans by Contractor.
Contractor—M. E. Greene, 1233 45th Ave., San Francisco.
Filed Sept. 6, '21. Dated Aug. 31, '21.
Frame up $2179
Brown coated 2179
Completed 2179
Usual 35 days..... 2179
TOTAL COST, $8716
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit also applied for today.

REMODELING
(1851) 234-236 BALBOA ST. Install windows, doors and construct new front for flats—stucco work, etc.
Owner—F. W. Brauer, 746 Lyon St.
Architect—None.
Day's work. $500

REPAIRING
(1852) 535 BUCHANAN ST. Repair front steps and fence.
Owner—Marg. Finly, 535 Buchanan St.
Architect—None.
Contractor—F. A. Lorenz, 182 5th St. $500

WAREHOUSE & OFFICE BLDG.
(1853) S BUSH 300 W PIERCE. One-story frame warehouse and office.
Owner—Inez C. Noble and Alice C. Swan, care of Buckbee, Thorne Co., Agents, 151 Sutter St.
Architect—None.
Day's work. $800

FLATS
(1854) S BALBOA 100 S 17TH AVE. Two-story and basement frame (2) flats.
Owner—C. Petersen, 646 Cabrillo St.
Architect—None.
Day's work. $7000

REFRIGERATORS
(1855) 2851 CALIFORNIA ST. Construct three refrigerators in butcher shop.
Owners—W. F. Roberts & Sons, 2849-51 California St.
Architect—None.
Contractor—Mowat Refrigerator Co., 25 Oak Grove Ave. $2750

RESIDENCE
(1856) E EDINBURGH 100 N Geneva. One-story and basement frame residence.
Owner — Crocker Estate Co., 525 Crocker Bldg.
Architect—None.
Contractor — A. M. Samuelson, 290 Rolph St. $3900

RESIDENCES
(1857) E EDINBURGH 88 AND 163 S Amazon. Two 1-story and basement frame residences.
Owner — Crocker Estate Co., 525 Crocker Bldg.
er Bldg.
Architect—None.
Contractor — A. M. Samuelson, 290 Rolph St. $3500 each

RESIDENCE
(1858) W NAPLES 129 S AMAZON. One-story and basement frame residence.
Owner — Crocker Estate Co., 525 Crocker Bldg.
Contractor — A. M. Samuelson, 290 Rolph St. $3900

ALTERATIONS
(1859) 1726 FILLMORE. Remodel store front; finish second floor for lodge rooms and add porch.
Owner—C. A. Son, Premises.
Architect—None.
Contractor—P. E. Bertrand, 1317 Hyde St., San Francisco. $1500

ALTERATIONS
(1860) 31-33 HARRIETT. Minor alterations and changes in apartments.
Owner—Mrs. C. Hayes, 31 Harriett St., San Francisco.
Architect—None.
Contractor—B. A. Arthur, 957 Mission St., San Francisco. $900

ADDITION
(1861) 1818 POST. Addition for printing office, brick foundation, concrete floor.
Owner—Fred Sutcamp, 1416 Buchanan St., San Francisco.
Architect—None.
Contractor—E. De Burg, 1272 Alabama St., San Francisco. $500

GARAGE
(1862) 2015 PACIFIC AVE. One-story concrete private garage.
Owner—F. M. Show, Care Bank of California, Sansome and California Sts., San Francisco.
Architect—None.
Contractor—A. S. Holmes, 180 Jessie St., San Francisco. $900

ADDITION
(1863) 107 TWENTY-FOURTH AVE. Add two rooms and bath to residence, painting, etc.
Owner—M. A. Little, 805 Bush St., San Francisco.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Day's work. $2000

HEATING PLANT
(1864) N UNION 100 E Leavenworth. Install steam heating plant for apartments.

wner—Louis Sachs, 18 Geary St., San Francisco.
rchitect—None.
ontractor—Atlas Heating & Ventilating Co., 72 Freelon St., S. F. $1750

ESIDENCES
865) W COLON 72 and 156 S Monterey Blvd. Two one-story and basement frame residences.
wner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
rchitect—Chas. Strothoff, 2274 15th St., San Francisco.
ay's work. $4000 each

ESIDENCE
866) W COLON AVE 168 N Montecito One-story and basement frame residence.
wner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
rchitect—Chas. Strothoff, 2274 15th St., San Francisco.
ay's work. $4000

PARTMENTS
867) W LAGUNA 87-6 N Pine. Two-story and basement frame (4) apartments.
wner—C. L. Wold, 46 Montgomery St., San Francisco.
rchitect—None.
ay's work. $10,000

OST OFFICE
868) SE POST AND AVERY. One-story brick branch post office.
wner—Avery-Fuller Childrens' Center 2320 Funston Ave., San Francisco.
rchitect—Herman Barth, 912 Phelan Bldg., San Francisco.
ay's work. $10,000

ESIDENCE
869) E SAN LEANDRO WAY 110 S St. Francis Blvd. Two-story and basement frame residence and one-story frame private garage.
wner—H. V. Towle, 2 San Mateo Dr., Burlingame.
rchitect—Chas. Strothoff, 2274 15th St., San Francisco.
ontractor—Nelson Bros., 1375 Plymouth Ave., San Francisco. $7500
NOTE:—Recorded contract reported pt. 2, 1921, No. 1817.

RAME FLATS
870) E SIXTEENTH AVE 125 S Balboa. Two-story & basement frame (2) flats.
wner—John C. Thomas, 380 20th Ave., San Francisco.
rchitect—None.
ay's work. $9000

LTERATIONS
871) 479 THIRTIETH AVE. General alterations and repairs in dwelling.
wner—Mr. Crosby, Premises.
ans by Contractor.
ontractor—Geo. Merritt, 3014 Geary St., San Francisco. $1200

LTERATIONS
872) 518 29TH ST. Raise dwelling 4 ft. for basement garage; plaster front of building.
wner—D. F. Walsh, 518 29th St.
ans by Contractor.
ontractor—Geo. Merritt, 3014 Geary St. $750

LTERATIONS
873) 2570 VALLEJO ST. Plaster front of residence; strengthen concrete wall.
wner—E. F. Euphrat, 2570 Vallejo St.
ans by Contractor.
ontractor—Geo. Merritt, 3014 Geary St. $500

RECORDED

ON WORK
874) S GEARY 137-6 W Mason W 106xS 137-6. Steel, cast iron and wrought iron work for Class A theatre building.
Owner—Curran Theatre Co.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Central Iron Works, 2050 Bryant St., San Francisco.
Filed Sept. 7, '21. Dated Sept. 6, '21.
When 100 tons fabricated and ready for erection.....$10,000
When 200 tons erected..... 10,000
When 400 tons erected..... 12,000
On completion balance with previous payments to make ¾ of total.....
Usual 35 days..... 25%
TOTAL COST—$154 per ton including erection.
Bond, $67,500. Surety, Fidelity & Deposit Co. of Maryland. Limit, 120 days. Forfeit, $100. Plans and specifications filed.
NOTE:—Permit applied for Aug. 11, 1921. No. 1668.

PAINTING
(1875) E MONTGOMERY 67 S Bush S 20 E 77-6 S 67 E 60 N 154 W 60 S 67 W 77-6. All work for painting building.
Owner—California Pacific Realty Co.
Architect—None.
Contractor The Neal Co., 538 Hayes St., San Francisco.
Filed Sept. 7, '21. Dated May 12, '21.
As work progresses..... 75%
36 days after..... 25%
TOTAL COST, $1950
Bond, none. Limit, 90 days after notified. Forfeit, none. Specifications only filed.

ALTERATIONS
(1876) 365 BUSH. Ratproof floor; painting, etc., for dairy lunch room
Owner—John Perkins, Premises.
Architect—None.
Contractor—John J. Binet Co., 68 Ramona St., San Francisco. $600

DWELLING
(1877) S CLIPPER 240 E Douglass. Two-story and basement frame dwelling.
Owner—E. Olson, 553 Clipper St., San Francisco.
Architect—None.
Day's work. $4000

FRAME FLATS
(1878) W EIGHTH AVE 100 S Balboa. Two-story and basement frame (2) flats.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Day's work. $7000

ALTERATIONS
(1879) 1206 FULTON. Alter basement for private garage, cement work, etc.
Owner—James Fleming, Premises.
Architect—None.
Day's work. $500

RESIDENCE
(1880) W GOUGH 87-6 S Filbert. One story and basement frame residence
Owner—F. Virgilio, 7 Imperial Ave., San Francisco.
Architect—None.
Day's work. $2000

REPAIRS
(1881) 166 TWELFTH. Repair fire damage to present building.
Owner—Michelin Tire Co. of Calif., 12th and Howard Sts., San Francisco.
Architect—None.
Contractor—Ward & Jones, 180 Jessie St., San Francisco. $9600

RESIDENCE
(1882) NE TWENTY-NINTH AVE. & Anza. One-story and basement frame residence.
Owner—Mildred T. Taubles, 425 Kearny St., San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Day's work. $7900

CEMENT FLOOR, ETC.
(1883) 4237 TWENTY-THIRD. Cement floor and runway; terrazzo steps; plastering, etc.
Owner—J. Whorskey, Premises.
Architect—None.
Day's work. $800

BOILER, ETC.
(1884) CLAY, between Buchanan and Webster. Install one Class S No. 17 Sterling water tube boiler of 330 h. p. capacity to operate at 125 lb. pressure.
Owner—Stanford University, Clay and Webster Sts., San Francisco.
Engineers — Hunter & Hudson, Rialto Bldg., San Francisco.
Contractor—Mangrum & Otter Inc., 827 Mission St., San Francisco. $17,000

RECORDED

HOUSE
(1885) E EDINBURGH 75 S BRAZIL Ave. S 25 x E 100. All work for a 5-room house.
Owner—Jos. and Kathrina Schweiger, 415 Edinburgh St.
Architect and Contractor — Martin Smith, 144 Girard St.
Filed Sept. 8, '21. Dated Sept. 8, '21.
Frame up and roof on.....$987.50
Brown coated 987.50
When completed 987.50
Usual 35 days 987.50
TOTAL COST, $3950
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Sept. 7, 1921, No. 1845.

ALTERATIONS
(1886) SW CALIFORNIA & MONTgomery. All work except electric wiring and heating for alterations to E portion of top floor of Clunie Building.
Owner—Greenhood & Jansen.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Ira W. Coburn, 130 Jessie St., San Francisco.
Filed Sept. 8, '21. Dated Sept. 8, '21.
On completion 1130.00
Usual 35 days..... 376.75
TOTAL COST, $1507.00
Bond, limit, forfeit, none. Plans and specifications filed.

FRAME FLATS
(1887) SE ANZA AND EIGHTEENTH Ave. S 25xE 95. All work for two-story frame building (4 flats).
Owner—Sol F. Meyer, 110 Sutter St., San Francisco.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Emil Nelson, 747 Fillmore St., San Francisco.
Filed Sept. 8, '21. Dated Sept. 6, '21.
Roof on $2500
Brown coated 2500
Completed and accepted..... 2500
Usual 35 days.....
TOTAL COST, $16,271
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Sept. 2, 1921, No. 1812.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Sept. 8, 1921—BLK BDED BY CHANnel, Berry, 3rd and 4th. Southern Pacific Co to J A Costello Jr.....Sept. 8, 1921

Sept. 8, 1921—LOTS 18 AND 19 BLK 311, Westwood Park. Hans Nelson and wife Esther E to whom it may concern.....Sept. 8, 1921

Sept 8, 1921—LOT 29 BLK 3163 Westwood Park. Anna Lucile Tighe to Hans Nelson.....Sept. 6, 1921

Sept. 8, 1921—NW PARKER AVE & St. Rose Ave 50 on Parker Ave and 125 on St. Rose Ave. Arthur H Klahn to whom it may concern.. .....Sept. 6, 1921

Sept. 6 1921—LOT 26-3x100 on NE Arguello Blvd and Turk. Fred Roettger to whom it may concern .....Sept. 6, 1921

Sept 6, 1921—E TWENTY-SEVENTH Ave 181-6 S California S 27xE 120. Charles Simpson to whom it may concern.....Sepe. 3, 1921

Sept. 6, 1921—W FOURTEENTH AV 74-6 N Cabrillo N 24-6xW 102-6. Walter G Vodden to whom it may concern.....Sept. 6, 1921

Sept. 6, 1921—NW CLEMENT AND 18th Ave W 32-6xN 100. O M Oyen & P Midbust to whom it may concern.....Sept. 6, 1921

Sept. 3, 1921—NE KIRKHAM AND 8th Ave E 32.6 x N 100. Shelby P. and Maud C. Strange to Chas. E. Reinhart .....Aug. 26, 1921

Sept. 3, 1921—S PACIFIC 52 W Jones 52-4x90. A Corbelli to V Filippis .....August 27, 1921

Sept. 2, 1921—SE GOLDEN GATE Ave and Jones E 162-6 S 181-7⅝ SW 159-9 W 32-10½ N 275. Famous Players Lasky Corp. of California to B C Van Emon Elevator Co... .....Sept. 2, 1921

Sept. 2, 1921—E TWENTY-THIRD Ave 150 S Geary S 25xE 120. John O England to W A Savage..... .....Sept. 2, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded **Amount**

Sept. 6, 1921—N CABRILLO 30 W 47th Ave N 55xW 60. John J Delucchi vs H J Frank.....$127.50

Sept. 6, 1921—N CABRILLO 30 W 47th Ave W 60xN 100. Button & Manning vs Harry J Frank and Chas C Williams.....$145

Sept. 6, 1921—N WALLER 137-6 E Broderick E 37-6xN 137-6. E A Lawcock & Co vs D Andros...$892.43

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded **Amount**

Sept. 7, 1921—N VALLEJO 100 W Gough W 35xN 137-6. Michael McDermott and W R Mobley (Copartners as American Electrical & Engineering Co) to D M Morris...

Sept. 7, 1921—LOT 18 BLK "Q" Park Lane Tract No. 3. Elizabeth Conway to Patrick Conway.....

Sept. 7, 1921—N VALLEJO 100 W Gough W 35xN 137-6. American Electrical Engineering Co to D M Morris .....

ARCHITECT'S CERTIFICATE

SAN FRANCISCO COUNTY

Herman R. Lake has filed his certificate for architecture for San Francisco County.

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2985	O'Connor	Kreischer	3000
2986	Dornin	Livingston	450
2987	Symmonds	Owner	1400
2988	City of Oakland	Owner	900
2989	Henderson	Doss	700
2990	Foothill	Owner	700
2991	Durant	Waters	1000
2992	Lovett	Owner	1860
2993	Anderson	Goranson	1640
2994	Lange	Owner	3500
2995	Tutu	Owner	1500
2996	Radke	Owner	3000
2997	Goldman	Greenleaf	4500
2998	Tremble	Easterly	3900
2999	Sims	Owner	5000
3000	Murphy	Owner	1700
3001	Kingsley	Bigelow	2800
3002	Jones	Owner	400
3003	Pitkaner	Owner	800
3004	Cooley	Burks	3000
3005	Crowton	Owner	2200
3005	Jessen	Owner	3200
3006	Larmer	Owner	4500
3007	Colin	Morrow	4000
3008	Sargant	Owner	4750
3009	Chamberlain	Stewart	4000
3010	Robinson	Anderson	4900
3011	Weldon	Scheussler	3500
3012	Williams	Owner	2500
3013	Donogh	Long	1000
3014	Gericke	Owner	500
3015	Pallen	Owner	3800
3016	Callahan	Woody	600
3017	Jones	Van Ness	2000
3018	Cal. Concordia	Lehre	3000
3019	Deangeli	Benassini	1500
3020	St. John	Owner	4500
3021	Miller	Gougler	3500
3022	Connelley	Furlong	700
3023	Small	Meyer	400
3024	Hollis	Constrath	3680
3025	Odd Fellows	Maganini	460
3026	Azedorio	Owner	450
3027	Rea	Owner	500
3028	Gunter	Brain	600
3029	Forbes	Petersen	1460
3030	De Wolff	Chambers	4000
3031	Monte	Pickering	400
3032	Anderson	Owner	3500
3033	Weber	White	5000
3034	Rosenberg	MacDonald	27000
3035	Wakefield	Ariss	1490
3036	Durney	Lee	500
3037	Petry	Wieben	3500
3038	Postel	Andresen	5000
3039	Davis	Lee	485
3040	Phelps	Hammond	6000
3041	Hally	Owner	3500
3042	Noble	Owner	3000
3043	Woodburn	Owner	18000
3044	Graymont	Brazier	2500
3045	Sprague	Estey	400
3046	Gastman	Owner	4500
3047	Platzer	Francis	2500
3048	Baker	Owner	4950
3049	Barker	Sommarstrom	7550
3050	Shearer	Owner	3500
3051	Thompson	Bohall	1700
3052	O'Kane	McWethy	450
3053	Rollar	Owner	3000
3054	Abell	Parker	5000
3055	Guyot	Owner	4500
3056	Weissenbach	Owner	2000
3057	Veronis	Bertoldi	3400
3058	Gigax	Owner	2750
3059	Rodrigues	Owner	2000
3060	Wight	Owner	1000
3061	Hudson	Owner	3500
3062	Wilson	Owner	750
3063	Wilson	Owner	750
3064	Dolan	Owner	1250
3065	Gunter	Owner	900
3066	Dabbert	Sprague	2900
3067	Stevens	Noble	4500
3068	Davis	Owner	4200
3069	Van Horn	Owner	2000
3070	Gow	Owner	4500
3071	East Bay	Owner	1000
3072	McChesney	Owner	5000
3073	Peppin	Owner	8500
3074	Ruf	Owner	3000
3075	Oszdorff	Sommarstrom	9000

PERMITS

DWELLING
(2985) S CANYON ROAD 600 E Panoramic Way, Berkeley. Two-story 5-room dwelling.
Owner—Mrs. L. F. O'Connor.
Architect—W. T. Steilberg, Flatiron Bldg., San Francisco.
Contractor—C. P. Kreischer, 36 Panoramic Way, Berkeley. $3000

ADDITION
(2986) 10 ENCINA PLACE, Berkeley. Addition.
Owner—J. C. Dornin, Premises.
Architect—None.
Contractor—Wm. Livingston, 2918 Ellis St., Berkeley. $450

REPAIRS
(2987) 38 PANORAMIC WAY, Berkeley. Fire repairs.
Owner—Wm. Symmonds, Premises.
Architect—None.
Day's work. $1400

SHED, BLEACHERS
(2988) BUSHROD PARK, Oakland. Shed and bleachers.
Owner—City of Oakland.
Architect—None.
Day's work. $900

ALT., REPAIRS
(2989) SW COR E 14TH ST AND 22D Ave., Oakland. Alterations and repairs.
Owner—Mary E. Henderson, 2225 Auseon Ave., Oakland.
Architect—None.
Contractor—C. A. Doss, 2028 E. 15th St., Oakland. $700

GREENHOUSE
(2990) 5814 FOOTHILL BLVD., Oakland. One-story greenhouse.
Owner—Foothill Nursery Co.
Architect—None.
Day's work. $700

BARN
(2991) N FOOTHILL BLVD AND TALbot Ave., Oakland. One-story barn.
Owner—R. Cliff Durant, 1st Nat. Bank Bldg., Oakland.
Architect—None.
Contractor—F. G. Waters, Box 7, Station G, Oakland. $1000

DWELLING
(2992) S HARBOR VIEW AVE 40 E Brown Ave., Oakland. One-story 3-room dwelling.
Owner—Sarah E. Lovett, 2318 E. 21st St., Oakland.
Architect—None.
Day's work. $1860

DWELLING
(2993) N MADELINE 138 E LAUREL Ave., Oakland. One-story 3-room dwelling.
Owner—M. L. Anderson, 246 Mather St., Oakland.
Architect—None.
Contractor—H. Goranson, 3476 Laguna Ave., Oakland. $1640

DWELLING
(2994) W 90TH AVE 125 S BIRCH St., Oakland. One-story 5-room dwelling.
Owner—Fred Lange, 1809 90th Ave. Oakland.
Architect—None.
Day's work. $3500

SHOP BLDG.
(2995) PIEDMONT AND PLEASANT Valley Aves., Oakland. One-story shop.
Owner—John G. Tutu and E. Martilla 5779 Ayala St., Oakland.
Architect—None.
Day's work. $1500

DWELLING
(2996) W SHATTUCK AVE 73 S 58TH St., Oakland. One-story 5-room dwelling.
Owner — G. A. Radke, 5729 Shattuck Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(2997) S YORK ST 100 W WELDON Ave., Oakland. One-story 6-room dwelling.
Owner—F. Goldman.
Architect—None.
Contractors — McWithy & Greenleaf Albany Bldg., Oakland. $450

RECORDED

DWELLING
(2998) S SANTA CLARA AVE 100 E Pine, Oakland. All work except plumbing fixtures for dwelling.
Owner—Mrs. C. E. Tremble, Oakland.
Architect—None.
Contractor—B. H. Easterly & Sons, 824 37th St., Oakland.
Filed Sept. 1, '21. Dated July 1, '21.
Foundation and underpinning completed $1000
Frame up and wired..... 1000
Ready for interior trim..... 900
Usual 35 days..... 1000
TOTAL COST, $3900
Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications, none.

APARTMENTS
E FRUITVALE AVE 45 S S Foothill Blvd., Oakland. Two-story 18-room apartments.
Owner—W. T. Lundy and E. L. Price, 1812 E-24th St., Oakland.
Architect—None.
Contractor—H. W. Macdonald, 2011 10th Ave., Oakland. $14,000
NOTE:—Recorded contract reported Sept. 2, 1921, No. 2984.

DWELLING
(2999) S BDWY TER 200 E BDWY, Oakland. One-story 6-room dwelling.
Owner—Wm. H. Sims, 1926 64th Ave., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(3000) N CLAREMONT RD ¾ MILE above Claremont Hotel, Oakland. One-story 5-room dwelling.
Owner—J. D. Murphy, 430 Phelan Bldg., San Francisco.
Architect—None.
Day's work. $1700

DWELLING
(3001) N ELMA AVE 400 E JONES Ave., Oakland. One-story 4-room dwelling.
Owner—C. A. Kingsley, 2408 Hopkins St., Oakland.
Architect—None.
Contractor—W. S. Bigelow, 821 13th St., Oakland. $2800

DWELLING
(3002) E KINGSLAND AVE 50 N Storer Ave., Oakland. One-story 2-room dwelling.
Owner—Ed L. Jones, 2329 6th St., Berkeley.
Architect—None.
Day's work. $400

DWELLING
(3003) E 103D AVE N BIRCH ST., Oakland. One-story 3-room dwelling.
Owner—N. Pitkanen, 1926 103d Ave., Oakland.
Architect—None.
Day's work. $800

DWELLING
(3004) E 61ST AVE 350 S E-14TH St., Oakland. One-story 5-room dwelling.
Owner—W. E. Cooley.
Architect—None.
Contractor—C. E. Burks, 4129 Randolph Ave., Oakland. $3000

DWELLING
(3005) N OUTLOOK AVE 300 W 64TH Ave., Oakland. One-story 5-room dwelling.
Owner—R. H. Crowton, 1414 8th Ave., Oakland.
Day's work. $2200

DWELLING
(3005) ARBOR DR., Piedmont. One and one-half-story frame dwelling.
Owner—C. Jessen.
Architect—None.
Day's work. $3200

DWELLING
(3006) FAIRVIEW AVE., Piedmont. One and one-half-story frame dwelling.
Owner — Ed Larmer, 470 Boulevard Way, Berkeley.
Architect—None.
Day's work. $4500

DWELLING, ETC.
(3007) LAKE AVE., Piedmont. One and one-half-story frame dwelling and garage.
Owner—Mrs. Marie Colin.
Architect and Contractor—J. W. Morrow. $4000

DWELLING
(3008) MESA AVE., Piedmont. Two-story frame dwelling.
Owner—E. L. Sargeant.
Architect—None.
Day's work. $4750

DWELLING, ETC.
(3009) RAMONA AVE., Piedmont. One and one-half-story frame dwelling and garage.
Owner—R. H. Chamberlain.
Architect—B. H. Stewart.
Day's work. $4000

DWELLING
(3010) YORK DRIVE, Piedmont. One and one-half-story frame dwelling.
Owner—Lillian H. Robinson.
Architect—None.
Contractor—G. W. Anderson, 912 Bay View, Oakland. $4900

DWELLING
(3011) W. MODOC 150 N MARIN, Berkeley. One-story 6-room dwelling.
Owner—Thomas Weldon.
Architect—None.
Contractor — H. H. Schuessler, 2436 Telegraph Ave., Berkeley. $3500

DWELLING
(3012) N 66TH ST 92 E MABLE, Berkeley. One-story 5-room dwelling.
Owner—W. Williams, 1221 Ward St., Berkeley.
Architect—None.
Day's work. $2500

ALTERATIONS
(3013) 2280-82 SHATTUCK AVE., Berkeley. Alterations.
Owner—A. O. Donogh, 2035 Bancroft Way, Berkeley.
Architect—None.
Contractor—Roy O. Long Co., 2114 Shattuck Ave., Berkeley. $1000

GARAGE
(3014) 1523 SCENIC AVE., Berkeley. Garage.
Owner—W. F. Gericke.
Architect—None.
Day's work. $500

DWELLING
(3015) W THE ALAMEDA OPP LOS Angeles, Berkeley. One-story 6-room dwelling.
Owner—A. H. Pallen, 686 61st St., Oakland.
Architect—None.
Day's work. $3800

ADDITION
(3016) 1922 VIRGINIA ST., Berkeley. Addition.
Owner—Laurence Callahan, 2026 Virginia, Berkeley.
Architect—None.
Contractor — Woody, 2118 Channing Way, Berkeley. $600

DWELLING
(3017) E BENEVIDES AVE 100 N El Centro, Oakland. One-story 4-room dwelling.
Owner—W. A. Jones, 2900 35th Ave., Oakland.
Architect—None.
Contractor—L. E. Van Ness. $2000

ADDITION
(3018) NW BRANN AND SIXTY-fourth Ave., Oakland. Addition.
Owner—California Concordia College, Premises.
Architect—None.
Contractor—F. A. Lehre, 3023 High St., Oakland. $3000

ADDITION
(3019) 5377 BRYANT AVE., Oakland. Addition.
Owner—Pietro Deangeli, Premises.
Architect—None.
Contractor—Pio Benassini. $1500

DWELLING
(3020) E ARDLEY AVE 220 N E-37th St., Oakland. One-story 5-room dwelling.
Owner—Mrs. O. M. St. John, 2539 Highland Ave., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(3021) N E-FOURTEENTH 60 W 8th Ave., Oakland. One-story 6-room dwelling.
Owner—A. C. Miller, 748 E-14th St., Oakland.
Architect—None.
Contractor—H. E. Gougler. $3500

ALTERATIONS
(3022) 1531 E-FIFTEENTH ST., Oakland. Alterations.
Owner—Mrs. A. Connelley, Premises.
Architect—None.
Contractor—Thos. F. L. Furlong, 61 Echo Ave., Oakland. $700

GARAGE
(3023) 554 E-SEVENTEENTH ST., Oakland. Garage.
Owner—Dick Small, Premises.
Architect—None.
Contractor—O. W. Meyers, 3814 West St., Oakland. $400

DWELLING
(3024) NE EIGHTH AND PERALTA, Oakland. One-story 5-room dwlg.
Owner—Dr. J. C. Hollis, Pleasanton.
Architect—None.
Contractor— W. C. Constrath, 3306 School St., Oakland. $3680

SKYLIGHT
(3025) NW ELEVENTH & FRANKlin, Oakland. Skylight.
Owner—Odd Fellows Hall Association, Premises.
Architect—None.
Contractor—J. F. Maganini, 603 36th St., Oakland. $450

ADDITION
(3026) 2824 E-NINTH ST., Oakland. Addition.
Owner—A. Azedorio, Premises.
Architect—None.
Day's work. $450

ALTERATIONS
(3027) 1064 FOURTEENTH, Oakland. Altreations.
Owner—Joseph Rea, Premises.
Architect—None.
Day's work. $500

ADDITION
(3028) 2474 POTTER, Oakland. Addition.
Owner—R. L. Gunter, Premises.
Arcihtect—None.
Contractor—Geo. Brain, Premises. $600

ADDITION
(3029) 2054 THIRTY-EIGHTH AVE., Oakland. Addition.
Owner—Forbes, Premises.
Architect—None.
Contractor—J. B. Petersen, 2053 38th Ave., Oakland. $1450

DWELLING
(3030) N VIRMAR 200 E Broadway, Oakland. One-story 6-room dwlg.
Owner—Charles C. De Wolff, Plaza Bldg., Oakland.
Architect—None.
Contractor—J. T. Chambers, Plaza Bldg., Oakland. $4000

ALTERATIONS
(3031) 2031 WEBSTER, Oakland. Alterations.
Owner—F. Monte, Premises.
Architect—None.
Contractor—P. J. Pickering, 549 36th St., Oakland. $400

DWELLING
(3032) S FORTY-SECOND 200 W Webster, Oakland. One-story five-room dwelling.
Owner—A. P. Anderson, 5601 Adeline St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(3033) W THIRTY-FOURTH AV 49 N E-18th St., Oakland. One-story 7 room dwelling.
Owner—Karl J. Weber, 1695 35th Ave., San Francisco.
Architect—None.
Contractor—B. J. White, Box 98, Hayward. $5000

GARAGE
(3034) SW SEVENTH AND CLAY, Oakland. One-story concrete garage.
Owner—Joseph Rosenberg, 1250 Pine St., San Francisco.
Architect—None.
Contractor—MacDonald & Kahn, 130 Montgomery St., S. F. $27,000

RECORDED

EXCAVATE
(3035) LOCATION NOT GIVEN, Oakland. Excavate for basement.
Owner—Dr. W. H. Wakefield, Easton Bldg., Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—Ariss-Knapp Co., Inc., 1041 38th St., Oakland.
Filed Sept. 3, '21. Dated Sept. —.
On 1st, 10th and 20th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $1490
Bond, none. Limit, 15 days. Forfeit, none. Plans and specifications filed.

ADDITION
(3036) 810 GRAND ST., Alameda. Addition.
Owner—H. Durney, premises.
Architect—None.
Contractor—S. Lee, 1832 San Antonio Ave., Alameda. $500

DWELLING
(3037) 2510 LINCOLN AVE., Alameda. One-story 5-room dwelling.
Owner—Geo. Petry, 2026 Alameda Ave., Alameda.
Architect—None.
Contractor — Alex C. Wieben, 3602 Fruitvale Ave., Alameda. $3500

DWELLING
(3038) 1333 PARK AVE., Alameda. One-story 6-room dwelling.
Owner—A. Postel, 1330 Park St., Alameda.
Architect—None.
Contractor—H. C. Andresen, 1229 Pearl St., Alameda. $5000

ALTERATIONS
(3039) 901 PARU ST., Alameda. Alterations.
Owner—N. Davis, premises
Architect—None.
Contractor—Sam Lee, 1832 San Antonio Ave., Alameda. $485

DWELLING
(3040) PARU ST. AND CLINTON Ave., Alameda. Two-story 7-room dwelling.
Owner—R. F. Phelps, 3107 Lewiston Ave., Berkeley.
Architect—None.
Contractor—J. Hammond, 2709 Central Ave., Alameda. $6000

DWELLING
(3041) 1412 SAN JOSE AVE., Alameda. One-story 6-room dwelling.
Owner—Hally & Co., 2315 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $3500

DWELLING
(3042) 2626 WASHINGTON ST., Alameda. One-story dwelling.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $3000

APARTMENTS
(3043) E COLLEGE AVE 190 S WOOLsey, Berkeley. Two-story 18-room apartments.
Owner—R. C. Woodburn, 155 Parkside Dr., Berkeley.
Architect—M. V. Mowbray, Jr., Oakland.
Day's work. $18,000

DWELLINGS
(3044) E CALIFORNIA 45 AND 78 S Julia, Berkeley. Two 1-story 5-room dwellings.
Owner—Graymont Land Co.
Architect—None.
Contractor — Jas. W. Brazier, 1251 Channing Way, Berkeley. $2500 each

ALTERATIONS
(3045) 2019 CEDAR ST., Berkeley. Alterations.
Owners—Misses Sprague, premises.
Architect—None.
Contractor—G. F. Estey. $400

DWELLING
(3046) E EUCLID AVE 75 N EUNICE, Berkeley. Two-story 6-room dwelling.
Owner—M. I. Gastman, 1265 Euclid Ave., Berkeley.
Architect—Maybeck, La Loma and Buena Vista, Berkeley. $4500

DWELLING
(3047) N BOND ST 118 W 46TH AVE., Oakland. One-story 4-room dwelling.
Owner—Emil Platzer, 4143 E. 14th St., Oakland.
Architect—None.
Contractor—E. O. Francis, 3940 E. 14th St., Oakland. $2500

DWELLING
(3048) E DOLORES AVE 50 N EL Centro, Oakland. One-story 6-room dwelling.
Owner—W. J. Baker, 2255 Ransome Ave., Oakland.
Architect—None.
Day's work. $4950

FLATS
(3049) E GRAND 50 N WELDON, Oakland. Two-story 10-room flats.
Owner—H. Barker, Key Route Inn.
Architect—None.
Contractor—Sommarstrom Bros., 1941 24th Ave. $7550

DWELLING
(3050) W 103 AVE 75 N E-14TH ST., Oakland. One-story 4-room dwelling.
Owner—Edward Shearer, 601 18th St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(3051) E OVER 50 S PORTER, Oakland. One-story 4-room dwelling.
Owner—M. A. Thompson, 3322 Over St., Oakland.
Architect—None.
Contractors—Bohall & Sullivan, 3214 Lorenzo, Oakland. $1700

REPAIRS
(3052) 602 22ND ST., Oakland. Repairs.
Owner—Mrs. O'Kane, premises.
Architect—None.
Contractor—McWethy & Greenleaf, Albany Bldg., Oakland. $450

DWELLING
(3053) S 35TH ST 226 E WEST ST., Oakland. One-story 6-room dwelling.
Owner—Chas. Rollar, 1424 Jefferson St., Oakland.
Day's work. $3000

DWELLING
(3054) N TRENOR ST 75 E 69TH Ave., Oakland. One and one-half-story 2-family dwelling.
Owner—Mrs. E. M. Abell, 516 16th St., Oakland.
Architect—None.
Contractor—A. B. Parker, 6916 Trenor St., Oakland. $5000

DWELLING
(3055) 711 WALLA VISTA AVE., Oakland. One-story 6-room dwelling.
Owner—Victor Guyot, 3535 Meadow St., Oakland.
Architect—None.
Day's work. $4500

DWELLING
NW COR SAN ANTONIO AND SHERman, Alameda. One-story 6-room dwelling.
Owner—R. Muller, 1304 Morton St., Alameda.
Architect—C. J. Rogers, Phelan Bldg., San Francisco.
Contractor—D. W. Ross, Builders' Ex., San Francisco. $6000
NOTE:—Recorded contract reported Aug. 31, 1921, No. 2949.

DWELLING
(3056) W SACRAMENTO 340 S Bancroft, Berkeley. One-story 4-room dwelling.
Owner—A. L. Weissenbach, 2307 Roosevelt St., Berkeley.
Architect—Noen.
Day's work. $2000

DWELLING
(3057) SW COR ATHOL & BROOKlyn Ave., Oakland. One-story 5-room dwelling.
ing.
Owners—Veronis and Bertoldi, 5628 Vicente, Oakland.
Architect—None.
Contractor—J. Bertoldi, 5628 Vicente, Oakland. $3400

DWELLING
(3058) N BAYVIEW 135 W 13TH AV, Oakland. One-story 5-room dwelling.
Owner—A. B. Gigax, 69th Ave. and Outlook, Oakland.
Architect—None.
Day's work. $2750

DWELLING
(3059) W CHAMPION ST 300 S NICOL St., Oakland. One-story 5-room dwelling.
Owner—John Rodrigues, 2423 Wilbur St., Oakland.
Architect—None.
Day's work. $2000

ADDITION
(3060) 302 EUCLID AVE. Oakland. Addition.
Owner—Mrs. Adeline E. Wright, 307

Euclid, Oakland.
chitect—None.
y's work. $1000

VELLING
061) NE COR EVERETT & E 38TH St., Oakland. One-story 5-room dwelling.
ner—L. G. Hudson, 1771 Evers Ave., Oakland.
chitect—None.
y's work. $3500

VELLING
062) W 87TH AVE 135 S D ST, Oakland. One-story 3-room dwelling.
ner—Roy Wilson, 1455 86th Ave., Oakland.
chitect—None.
y's work. $750

VELLING
063) NW COR 86TH AVE AND A St., Oakland. One-story 3-room dwelling.
ner—Roy Wilson, 1455 86th Ave., Oakland.
chitect—None.
y's work. $750

ANING MILL
064) 2149 E 14TH ST., Oakland. Two-story planing mill.
ner—Dolan Wrecking Co., premises.
chitect—None.
y's work. $1250

OMPLETION
065) E FRANCIS 600 N FAIRFAX, Oakland. Complete building.
ner—R. L. Gunter, 4700 Fairfax Ave., Oakland.
chitect—None.
y's work. $900

WELLING
066) W GREENWOOD ST 500 S Brighton, Oakland. One-story 5-room dwelling.
ner—W. G. Dabbert, 1001 54th St., Oakland.
chitect—None.
ntractor—J. E. Sprague, 1529 Alice St., Oakland. $2900

WELLING
067) N KANSAS 300 E MAPLE, Oakland. One-story 5-room dwelling.
ner—Mrs. G. Stevens.
chitect—None.
ntractor—R. K. Noble. $4500

WELLING
068) W LINWOOD BET HAMPEL and E. 38th Sts., Oakland. One-story 5-room dwelling.
Owner—Geo. B. Davis, 3823 Hyde St., Oakland.
rchitect—None.
ay's work. $4200

WELLING
3069) S MAURETANIA 200 E SEMinary Ave., Oakland. One-story 4-room dwelling.
wner—D. W. Van Horn, 5935 Mauretania Ave., Oakland.
rchitect—None.
ay's work. $2000

WELLING
3070) W MILES BET HARDY AND Clifton, Oakland. One-story 5-room dwelling.
wner—Andrew B. Gow, 5354 Miles Ave., Oakland.
rchitect—None.
ay's work. $4500

HED
3071) E OAK ST. opp. Fourth St., Oakland. Shed.
wner—East Bay Lumber & Mill Co., 4th and Oaks Sts., Oakland.
rchitect—None.
ay's work. $1000

WELLING
3072) E PARK BLVD 100 S Hampel, Oakland. One-story 8-room dwelling (2 family).
Owner—W. E. McChesney, 1315 San Luis Ave., Oakland.
Architect—None.
Day's work. $5000

DWELLINGS
(3073) E RAWSON AVE 90 and 135 S Brookdale, Oakland. Two one-story 6-room dwellings.
Owner—J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4300 and $4200

DWELLING
(3074) W SIXTY-SECOND AVE 200 N Foothill Blvd., Oakland. One-story 6 room dwelling.
Owner—Glena Ruf, 2237 Church St., Oakland.
Architect—None.
Day's work. $3000

FLATS
(3075) W SANTA RAY 100 N Santa Ray, Oakland. Two-story 14-room dwelling.
Owner—Wm. Oszdorff, 125 Guerrero St., San Francisco.
Architect—None.
Contractor — Axel Sommarstrom, 109 Sunnyside Ave., Piedmont. $9000

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded **Accepted**

Sept. 8, 1921—SW TWELFTH AND High 60.75x165, Okd. Frederick J Russell to D Moran.....Sept. 7, 1921

Sept. 8, 1921—LOT 21 BLK 26, Melrose Heights, Okd. Anton Larson to J O Weston.....Sept. 6, 1921

Sept. 8, 1921—W SEVENTY-FIFTH Ave 233½ S Hawley 63½x100, Okd. F I Atherton and H T Renton to E Carlton.....Sept. 24, 1921

Sept. 7, 1921—LOT 11 BLK "M" Berry Bangs Tract, Berkeley. Mrs. J C Veirs to Home Realty Co.Sept. 7, 1921

Sept. 6, 1921—563 ATHOL AVE., Okd. P C Patterson to whom it may concern.....Sept. 6, 1921

Sept. 6, 1921—929 FORTY-THIRD St., Oakland. J W Roberts to whom it may concern.....Sept. 6, 1921

Sept. 3, 1921—LOT 25 BLK 10, East Piedmont Heights Extension, Okd. Bessie M McCall to Alfred A Peterson.....Aug. 25, 1921

Sept. 3, 1921—S PLOT 40 Map Ranchos V & D Peralta and W San Pablo Ave thence along W line San Pablo Ave 120.54 W to pt 730 W San Pablo Ave W 90 SW 369.25 SE 216.48 NE 1048.08, Emeryville. E Winsby to Alfred Peterson.....Aug. 25, 1921

Sept. 3, 1921—LOTS 5, 6, 7, 8, 9, 10, 11 Blk 138 Kellersbergers Map of Oakland, Oakland. Almira V Montgomery to Nelson & Forsyth.....Aug. 27, 1921

Sept. 3, 1921—LOT 42 Sbdvn 19 Map Resbdvn Peralta Park, Berkeley. Brooks C Parker to whom it may concern.....Aug. 5, 1921

Sept. 3, 1921—LOT 41 Sbdvn 19 Map Resbdvn Peralta Park, Berkeley. Brooks C Parker to whom it may concern.....Aug. 22, 1921

Sept. 3, 1921—(1)NW E-14TH 50 NW Sunnyside Drive NW 43.77 E 123 SE 43.77 SW 123; (2) NE E-14th 93.77 NW Sunnyside Drive NW 43.77 NE 123; (3) NE E-14th 137.54 NW Sunnyside Drive NW 43.79 NE 123 SE 43.86 SW 123, San Leandro. Darling, Harding & Co to whom it may concern.....Aug. 31, 1921

Sept. 3, 1921—LOTS 21 AND 22 BLK "H" Map Kenwood Park, Oakland. John Lindquist to whom it may concern.....Sept. 2, 1921

Sept. 3, 1921—NO. 3907 AGUA VISTA, Oakland. J W Sigwald to whom it may concern.....Sept. 2, 1921

Sept. 2, 1921—(1) EUNICE ST.; (2) Henry St., Berkeley. Southern Pacific Co to Hutchinson Co.....August 25, 1921

Sept. 2, 1921—W ½ LOT 28 BLK 2, North Cragmont, Berkeley. Anna E Lethin to E G Blucher and C Blucher.....Aug. 31, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded **Amount**

Sept. 8, 1921—N BROOKDALE 60 E Capp, Oakland. Oakland Lime & Cement Co vs C L Hewitt and F E McGurrin $64.20

Sept. 3, 1921—LOTS 5 AND 6 BLK 17, Freeman's Map San Antonio, Oakland. Hogan Lumber & Mill Co vs R H Wells and Carrie E Clare...$64

Sept. 2, 1921—S EAGLE AVE 190 W Everett W 50xS 150, Alameda. S E and C C Smith vs Morono Morehouse and Mrs. Taylor $146

HOMESTEADS

ALAMEDA COUNTY.

Aug. 8, 1921—E THIRTY-THIRD Ave 350 N E-8th N 37-6xE 100, Okd. Manuel Curt $2000

Sept. 8, 1921—N FOURTEENTH 100 W Linden W 42xN 127, Oakland. Nora Rea (wf Joseph).....$5000

Sept. 8, 1921—LOT 3 BLK "D" Map Sheet No. 1, Lakewood Park, Piedmont. Ethel Hamilton (wf Rush) $5000

Sept. 6, 1921—NW TWENTY-FIFTH Ave 205 NE E-16th NE 50 NW 134, Okd. Herbert G Kimber.....$4000

Sept. 6, 1921—NE E-FIFTEENTH 97 SE Seventh Ave SE 26½xNE 100, Martha Kaponat (wf George)..$3500

Sept. 3, 1921—NW DELAWARE AND Curtis W 63 N 104-11 W 37 N 50 E 100 S 154-11, Berkeley. Niels S Engelbret $4000

Sept. 2, 1921—N 16-8 LOT 37 and S 16-8 Lot 38 Blk 27, Amended Map Regents Park, Berkeley. Josephine Brothers(wf Herbert William).$4000

Sept. 2, 1921—LOT 6 BLK 10 Map East Piedmont Heights Extension, Okd. Fannie B Hall (wf Charles L) $6000

Sept. 2, 1921—LOT 32 Map Hawley Tract, Alameda. Albert E Preston $4500

OAKLAND BUILDING TOTALS FOR AUGUST, 1921

Classification of Buildings	No. of Permits	Costs
1-story dwellings....	142	$ 352,920
1-st dwlgs & store...	1	4,000
1½-st dwellings.....	9	50,000
1½-st dwlg & store..	1	3,500
2-st dwellings.....	7	57,777
2-st dwlg & store....	1	4,400
2-story flats.....	3	31,000
2-st flats & stores....	1	20,000
2-story apartments..	1	12,000
2-st school bldgs....	1	9,860
1-st 7-room school...	1	72,567
1-st 1-room school..	12	17,300
1-st gymnasium bldg	1	49,384
1-st creamery bldg..	1	8,500
1-st factory bldg....	1	1,800
2-st store & loft bldg	1	10,000
1-story offices.....	3	1,265
1-story shops.....	3	1,000
8-st R. C. apmnts....	1	430,000
3-st R. C. hospital....	1	546,000
1-st con. dwelling...	1	3,000
1-st con garage.....	4	11,112
1-st brick garage....	2	700
Brick addition.....	1	3,000
1-st tile store.....	1	500
1-st tile garage.....	1	125
1-st steel service stn.	1	1,000
1-st garage & shed..	142	25,589
Tank frames.....	2	475
Electric signs.....	14	5,575
1-st greenhouse	1	150

Additions	108	75,272
Alterations & repairs	182	62,793
Total	652	$1,852,609

SUMMARY

New construction....	470	$1,789,816
Alterations & repairs	182	62,793
Total	652	$1,852,609

BUILDING CONTRACTS

SANTA CLARA COUNTY

DWELLING
PALO ALTO. All work for two-story frame dwelling.
Owner—Mrs. E. A. Flanders, Saratoga.
Architect — Warren Skillings, 515 Garden City Bank Bldg., San Jose.
Contractor—Howard S. Waltz, 132 Balbach St., San Jose.
Filed Aug. 31, '21. Dated Aug. 18, '21.
Frame up and enclosed.....$1464.50
Plastering completed 1464.50
Completed and accepted..... 1464.50
Usual 35 days..... 1464.50
TOTAL COST, $5858.00
Bond, $2929. Sureties, F. P. Heringer and Gertrude S. Hurff. Limit, 75 working days after August 18. Forfeit, none. Plans and specifications filed.

RESIDENCE
MORSE ST. between Randall and Freemont Sts., San Jose. All work for one and one-half-story frame residence.
Owner—Alice Bassler, 5 Clinton Ave., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—F. J. Huxtable & Co., 377 S-Sixth St., San Jose.
Filed Aug. 30, '21. Dated Aug. 12, '21.
Frame up $1575
Plastering on 1575
Completed and accepted..... 1575
Usual 35 days..... 1575
TOTAL COST, $6300.00
Bond, $3150. Sureties, Isabel Huxtable and Al. M. Schirle. Limit, 90 working days after Aug. 12. Forfeit, none. Plans and specifications filed.

DWELLING
E MORSE — S Emory 237½ ft. Lot 62½x250 ft., part Lot 8 Blk 1, Chapman and Davis Tract, San Jose. All work for one-story dwelling.
Owner—Bayard Bowden, San Jose.
Architect—Binder & Curtis, San Jose.
Contractor—A. K. Burkett, 34 Fremont St., San Jose.
Filed Sept. 3, '21. Dated Sept. 2, '21.
Frame up and enclosed..... 25%
Brown mortar on..... 25%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, $5294.70
Bond, $5294.70. Sureties, H. J. Pascoe and P. S. Cambinano. Limit, forfeit, none. Plans and specifications filed.

COTTAGE
15TH NEAR EMPIRE, San Jose. Four-room cottage.
Owner—Wm. H. O'Neil, 500 N. 15th St., San Jose.
Architect—None.
Day's work. $2650

COTTAGE
14TH NEAR EMPIRE, San Jose. Five-room cottage.
Owner—Wm. H. O'Neil, 500 N. 15th St., San Jose.
Architect—None.
Day's work. $2900

ADDITION
4TH AND EMPIRE, San Jose. Addition.
Owner—Jas. T. Kelley, 499 N. 4th St., San Jose.
Architect—None.
Day's work. $600

COTTAGE
186 N ELEVENTH, San Jose. Two-room cottage.
Owner—Mrs. E. Snyder, 295 E. San Fernando, San Jose.
Architect—None.
Contractor—David Jones. $800

COTTAGE
19TH AND JACKSON, San Jose. Three-room cottage.
Owner—F. E. Loomis.
Architect—None.
Day's work. $400

GARAGE
11TH AND SAN FERNANDO; San Jose. Garage.
Owner—Mrs. Hollenbeck.
Architect—None.
Contractor—H. A. Bridges, Pine and Lincoln Sts., San Jose. $500

SANTA CLARA, Cal. All sheet metal work on new High School building.
Owner—Board of Education, Santa Clara High School District, Santa Clara, Cal.
Architect—W. H. Weeks, 75 Post St., San Francisco, Cal.
Contractor—Christenson & Anderson, Palo Alto, Cal.
Filed Sept. 7, '21. Dated Aug. 29, '21.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, $3195.00
Two bonds, labor and material, specific performance; sureties, Globe Indemnity Co.; forfeit, $1,597.50 on each bond; limit, none. Plans and specifications filed.

ELECTRIC WORK ON ABOVE
Contractor—Watts Electric Co., 133 4th St., San Francisco.
Filed Sept. 7, '21. Dated Aug. 29, '21.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, $5450
Two bonds, specific performance, labor and material; sureties, London & Lancashire Indemnity Co. of America; forfeit, $5450, total; limit, none. Plans and specifications filed.

MASON WORK ON ABOVE
Contractor—Paul Messner, 180 Jessie St., San Francisco.
Filed Sept. 7, '21. Dated Aug. 29, '21.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, $12,945
Two bonds, specific performance, labor and material; sureties, New Amsterdam Casualty Co.; forfeit, $12,945, total; limit, none. Plans and specifications filed.

PAINTING WORK ON ABOVE
Contractor—D. Zelinsky & Sons, 422 Turk St., San Francisco, Cal.
Filed Sept. 7, '21. Dated Aug. 29, '21.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, $5700
Two bonds, specific performance, labor and material; sureties, American Indemnity Co.; forfeit, $5700, total; limit, none. Plans and specifications filed.

INSTALLING OF PROGRAM CLOCK SYSTEM IN ABOVE
Contractor—Pacific Electric Clock Co., Wells Fargo Bldg., San Francisco, Cal.
Filed Sept. 7, '21. Dated Aug. 29, '21.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, $1095
Two bonds, specific performance, labor and material; sureties, American Surety Co. of New York; forfeit, $1095, total; limit, none. Plans and specifications filed.

PLUMBING WORK ON ABOVE
Contractor—August Roll, Santa Clara, Cal.
Filed Sept. 7, '21. Dated Aug. 29, '21.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, $5727
Two bonds, specific performance, labor and material; sureties, John Widney and E. W. Howell, Santa Clara, Cal.; forfeit, $5727, total; limit, none. Plans and specifications filed.

INSTALLING OF HEATING SYSTEM IN ABOVE
Contractor—Carl Doell, 467 21st St., Oakland, Cal.
Filed Sept. 7, '21. Dated Aug. 29, '21.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, $11,717
Two bonds, specific performance, labor and material; sureties, National Surety Co.; forfeit, $11,717, total; limit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded	Accepted
Sept. 7, 1921—LOT 4 BLK 19 EVERgreen Park of Mayfield, Cal. Phillip Darr to whom it may concern	Sept. 6, 1921
Sept. 2, 1921—SAN JOSE, William H O'Neil to whom it may concern	Sept. 1, 1921
Sept. 2, 1921—PALO ALTO. Auto Electric Co to Barrett & Hilp.....	Sept. 1, 1921

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING, ETC.
1266 36TH ST., Sacramento. Five-room dwelling and garage.
Owner—J. F. James, 2320 H St., Sacramento.
Architect—None.
Contractor—Herndon & Finnigan, 181 17th St., Sacramento. $400

PARTITIONS
927 20TH ST., Sacramento. Install partitions in lower store.
Owner—T. Wah Hing, 725 J St., Sacramento.
Architect—None.
Day's work. $50

DWELLING
3764 7TH AVE., Sacramento. One-story 2-room dwellingf.
Owner—C. W. Ryon, 1915 J. St., Sacramento.
Architect—None.
Day's work. $50

APARTMENTS
2115 U ST., Sacramento. Apartment and garage.
Owner—Paul Nathan, 806 J St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 I St Sacramento. $160

DWELLING
4456 X ST., Sacramento. One-story 4 room dwelling.
Owner—Mrs. W. J. Batten, 2408 P St Sacramento.
Architect—None.
Day's work. $80

ALTERATIONS
2608 SIXTH AVE., Sacramento. Re model basement.
Owner—Trinity L. Congretaion, 321 Donner Way, Sacramento.
Architect—None.
Contractor—B. H. Bill, 3252 Marsha Way, Sacramento. $70

DWELLING
1109 THIRTY-NINTH ST., Sacramento One-story 5-room dwelling.
Owner—J. F. Silva, 1827 S St., Sacra

mento.
rchitect—None.
'ontractor—Mike Furtado, 2425 18th St., Sacramento. $3200

)WELLINGS
418 FORTY-SECOND ST. and 1363 42d St., Sacramento. Two one and one-half-story 6-room dwellings.
wner—Hendren, Rooney & Williams, 817 J St., Sacramento.
rchitect—None.
'ontractor—H. A. Hendren, Fair Oaks, Calif. $4000 each

'LATS
718 U ST., Sacramento. Two-story frame (4) flats.
wner—Mrs. N. Scanlan, 1825 T St., Sacramento.
rchitect—None.
ontractor—M. A. Fratis, 1722 S St., Sacramento. $10,000

WELLING
411 42ND ST., Sacramento. Two-story 8-room frame dwelling.
wner—W. C. Wright, 817 J St., Sacramento.
rchitect—None.
'ay's work. $6500

ESHINGLING, ETC.
114 19TH ST., Sacramento. Reshingle roof and add 2 rooms to dwelling.
wner—E. L. Holcomb, 2114 19th St., Sacramento.
rchitect—None.
)ay's work. $600

ARAGE
520 18TH St., Sacramento. Build garage.
wner—Dr. E. M. Doyle, 1520 18th St., Sacramento.
rchitect—None.
)ay's work. $600

)WELLING
656 41ST ST., Sacramento. One-story 4-room frame dwelling.
wner—Anna E. Williams, 4212 San Benita Way, Sacramento.
rchitect—None.
)ay's work. $1750

EN. REPAIRING
313 5TH ST., Sacramento. General repairing.
)wner—Fong We How, 915 4th St., Sacramento.
rchitect—None.
)ay's work. $600

LTERATIONS
20 M ST., Sacramento. Raise house.
wner—Helen Wright, 1511 M St., Sacramento.
rchitect—None.
'ontractor—Jas. T. Randall Jr., 1055 41st St., Sacramento. $814.50

)WELLING
704 W ST., Sacramento. One-story 5-room dwelling.
wner—F. L. Terra, 417 S St., Sacramento.
rchitect—None.
)ay's work. $2000

)WELLING
132 THIRTY-SEVENTH ST., Sacramento. One-story 6-room dwlg.
wner—W. B. Phillips, 1512 38th St., Sacramento.
rchitect—None.
)ay's work. $3000

)WELLING
142 THIRTY-SEVENTH ST., Sacramento. One-story 5-room dwlg.
wner—W. B. Phillips, 1512 38th St., Sacramento.
rchitect—None.
)ay's work. $3000

WELLING
216 EIGHTEENTH ST., Sacramento. One-story 5-room dwelling.
Owner—C. G. Crane, 1630 3rd St., Sacramento.
Architect—None.
Day's work. $2800

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Sept. 2, 1921—LOT 2 BLK 15, North Sacramento Sub. 8, Sacramento. Gertrude Deykman to whom it may concern.....Aug. 28, 1921
Sept. 2, 1921—OIL STOREHOUSE in Sacramento Shop Grounds. S. P. Co to whom it may concern.....Sept. 1, 1921
Sept. 3, 1921—LOT 6208, Mission Trecho. Sacramento. Frank L Terrace to whom it may concern.....August 20, 1921

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING
141 G ST., Fresno. Dwelling.
Owner—C. Klau.
Architect—None.
Contractor—A. D. Bier, Fresno. $2230

ALTERATIONS
829 J ST., Fresno. Alterations.
Owner—Woodward Co., J and Kern Sts., Fresno.
Architect—None.
Contractor—W. H. Minard, 319 Abby St., Fresno. $3600

DWELLING
809 HARRISON ST., Fresno. Dwelling.
Owner—R. C. Kennedy, Mason Bldg., Fresno.
Architect—None.
Day's work. $2500

DWELLING
1545 POPLAR ST., Fresno. Dwelling.
Owner—Ezra Morris, Fresno.
Architect—None.
Contractor—W. T. Brooks, Fresno. $5000

ADDITION
743 VASSAR ST., Fresno. Addition.
Owner—R. B. Harris, Premises.
Architect—None.
Contractor—Fisher & McNulty. $1200

GARAGE
1636 OLIVE ST., Fresno. Garage.
Owner—Wm Carter, Fresno.
Architect—None.
Day's work. $1000

STORE
2120 RAILROAD AVE., Fresno. Store.
Owner—J. D. Mosesian.
Architect—None.
Contractor—C. D. Hovsepian, Fresno. $3100

DWELLINGS
3107 AND 3115 LOWE AVE., Fresno. Two dwellings.
Owner—Thos. Montgomery, 274 Thesta St., Fresno.
Architect—None.
Day's work. $3000 each

ADDITION
PERSHING SCHOOL DISTRICT, Fresno All work for addition to present school.
Owner—Board of School Trustees of the Pershing Grammar School Dist.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—J. B. Hart, 1225 Broadway, Fresno.
Filed Sept. 6, '21. Dated Aug. 27, '21.
Monthly payments of..... 75%
Usual 35 days, balance..... 25%
TOTAL COST, $6340
Bond, $3170. Sureties, Louis F. and Lilian E Ryan. Limit, 60 days. Forfeit, none. Plans and specifications filed.

HYDRO-PNEUMATIC WATER SYSTEM for above school district.
Contractor—Lauritzen Implement Co., 1158 H St., Fresno.
Filed Sept. 6, '21. Dated Aug. 27, '21.
Payments same as above.....
TOTAL COST, $932
Bond, $233. Surety, Fidelity & Casualty Co. of New York. Limit, 60 days. Forfeit, none. Plans and specifications filed.

LAUNDRY
1953 ANNA ST., Fresno. Laundry.
Owner—Charlie Abel, 314 Thesta St., Fresno.
Architect—None.
Day's work. $600

GARAGE
645 POPPY ST., Fresno. Garage.
Owner—Oliver H. Forno, Fresno.
Architect—None.
Contractor—Jas. Kerr, Fresno. $1000

DWELLING
2549 CLAY ST., Fresno. Dwelling.
Owner—J. M. Bigelow, 527 N-4th St., Fresno.
Architect—None.
Contractor—W. D. Powles, Fresno. $2800

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Sept. 7, 1921—SEC. 11, 19-15, Fresno. Drilling Oil Well No. 275. Pacific Oil Co to whom it may concern.....Sept. 3, 1921
Sept. 3, 1921—LOTS 4 AND 5 BLK 8, Van Ness Heights, Fresno. Jessie O Moseley to whom it may concern.....Sept. 1, 1921
Sept. 1, 1921—LOTS 1, 2, AND 3 BLK 1, Orange Grove Addition, Fresno. Annie L Brodeur to whom it may concern.....August —, 1921

LIENS FILED

FRESNO COUNTY.

Recorded Amount
Sept. 2, 1921—PART LOT 15 in Sec. 5, 15-16, Fresno. M A Finnila vs California Dairy Products Co.....$3,194
Sept. 2, 1921—PART LOT 15 in Sec. 5, 15-16, Fresno. Robert H Coey vs California Dairy Products Co.$12,143
Sept. 3, 1921—PART LOT 15 in Sec. 5, 15-16, Fresno. M B Wood vs R H Coey and California Dairy Products Co $3563
Sept. 3, 1921—LOT 92 California Poultry Farms, Fresno. Routt Lumber Co vs J D Wilhoit and Ross L Williams $217
Sept. 1, 1921—LOT 32 BLK 21, Arlington Heights, Fresno. Fresno Electric Co vs Frank G and Charlotte McKay, Vartan and Gulvart Arvanigian $211

Notice of Non-Responsibility

FRESNO COUNTY.

Sept. 3, 1921—LOTS 24 TO 28 BLK 15, Grand Ave. Park, Fresno. Marion R Ellis as to improvements on property .....

FRESNO BUILDING TOTALS FOR AUGUST

The following is a report of the building operations in the City of Fresno for the month of August, 1921:
New building, $312,744; permits, 108. Total for the year, $2,015,595.
Alterations and repairs, $70,828; permits, 93. Total for the year, $426,563.

BUILDING CONTRACTS

SAN MATEO COUNTY

METAL STAIRWAYS
HOWARD AVE SCHOOL, Burlingame. Furnish labor and material to install two metal stairways, Howard Ave. School.
Owner—Burlingame Grammar School District; Mrs. J. M. Vickerson, Clerk, Burlingame.
Architect—Ernest L. Norberg, 742 Market St., San Francisco.
Contractor—K. G. Lundquest and A. Crivelle, Co-partners known as Rincon Iron Works, 27 Hawthorne, San Francisco.
Dated Aug. 26, '21. Filed Sept. 2, '21.
When completed $968
Usual 35 days 323
TOTAL COST, $1291
Bond, $650; sureties, Leroy G. Harvey and Oscar F. Stentralm; forfeit; $2; limit, 90 work days. Plans and specifications filed.

PLUMBING, ETC.
LOTS 17, 18, 33, 34, 39, and 40 Blk 5, Burlingame. (Pershing School Building). Plumbing and heating.
Owner — Burlingame Grammar School District, Mrs. J. M. Vickersan, Clerk Burlingame.
Architect—Ernest L. Norberg, 742 Market St., San Francisco.
Contractor—W. L. Hickey, 350 Grand St., South San Francisco.
Filed Sept. 2, '21. Dated ——.
Rough plumbing in.....$778.69
Heating system and boiler set 778.70
Completed 778.70
Usual 35 days..... 778.70
TOTAL COST, $3114.79
Bond, $1560. Sureties, T. S. Hickey and J. Carmody. Limit, 90 working days. Forfeit, $5. Plans and specifications, none.

ON MILLS ESTATE, INC., W of S P R R, southern part of City of San Bruno, San Mateo Co., Cal. Furnish and construct hay and feed barn, one story.
Owners—B. Cribari & Sons, a partnership, San Bruno, Cal.
Contractor—Prosper Bou, San Bruno, Cal.
Filed Sept. 6, '21. Dated Sept. 1, '21.
When completed 75%
Usual 35 days 25%
TOTAL COST, $600
Bond, sureties, forfeit, none; limit, 30 calendar days. Plans and specifications filed.

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Sept. 3, 1921—LOT 9 AND 10 BLK 21, Add'n No. 3, San Bruno Park, San Bruno. A A Pudsey vs Giuseppe Di Resta $71

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

RESIDENCE
WEST POPLAR ST., Stockton. Residence.
Owner—Wm. Rommells, 535 N. Edison St., Stockton.
Architect—None.
Day's work. $4500

REMODELING
119 S. CENTER ST., Stockkton. Remodel room in second floor.
Owner—Petro Nova, Stockton.
Architect—None.
Day's work. $200

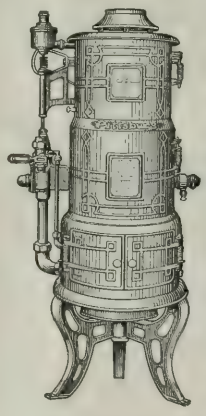
RESIDENCE
E WYANDOTTE, Stockton. Residence
Owner—H. H. Thompson, Stockton.
Architect—None.
Day's work. $260

RESIDENCE
- E SECOND ST., Stockton. Residence
Owner—Margaretha Smith, Stockton.
Architect—None.
Day's work. $70

RESIDENCE
WEST WILLOW ST., Stockton. Residence.
Owner — Carl Nelson, 1421 E-Channe St., Stockton.
Architect—None.
Day's work. $280

RESIDENCE
WEST WILLOW ST., Stockton. Residence and garage.

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET


A BIG THING
New Model No. 65
"Pittsburg-Bungalow"
Automatic Water Heater.
Capacity three gallons per minute.
Just the size to fit the average two-story home or nice Bungalow.
A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.
PITTSBURG WATER HEATER CO.
309 13th Street OAKLAND
478 Sutter Street SAN FRANCISCO
SEND FOR CATALOGS

TROJAN EXPLOSIVES
The Most Powerful Made
Safe and Economical
Manufactured on a solid base and do not contain any liquid explosive ingredient.
Will not freeze Will not exude
Will not give off noxious gases
No thawing
No leaking
No headaches
Trojan Powder Company
CROCKER BUILDING San Francisco, Cal.
YEON BUILDING Portland, Oregon

Telephone Market 1935
Fine and Sanitary PLUMBING
Frank J. Klimm
PLUMBER
Steam and Hot Water Heating
221 Oak Street
Bet. Gough and Octavia San Francisco

Owner—F. P. Dodson, Stockton.
Architect—None.
Day's work. $4250

RESIDENCE
PINCHOT AND SIERRA NEVADA STS.
Stockton. Residence.
Owner—Joe Garibaldi, Stockton.
Architect—None.
Day's work. $4930

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Sept. 1, 1921—LOT 9 BLK 5, E of Center St., Stockton. M S Arndt, Chas E Littlehale & R B Oullahan to L S Peletz.....Aug. 31, 1921

NEW RESIDENTIAL TRACT OPENED IN MARIN COUNTY

Boxton & Zweig, builders, report that they are starting a new residential district in the Highlands, Marin Co., a subdivision recently opened by Peter Bacigalupi, Jr., of San Rafael.

Highlands is a beautifully wooded tract of 112 acres with a frontage of more than one mile on the highway and railroad, midway between San Anselmo and San Rafael. Mr. Bacigalupi is going at the district in a scientific manner. Engineers have laid out the tract, and road and sidewalk construction is under way. Several stucco bungalows are now being completed under the supervision of the builders, Boxton & Zweig, who are capable and experienced contractors.

SAND, GRAVEL AND STONE SHOW INCREASED MOVEMENT

Traffic executives, representing all parts of the United States, have finished a canvass of the situation regarding rates on grain and grain products and on sand, gravel and other road building materials.

They find that while for the seven weeks ending July 16th the total car loadings were 976,720 less than during the same period of 1920, the loading of grain and grain products increased 67,663 cars, or nearly 30 per cent, and the loading of sand, gravel and stone increased 50,280 cars, or more than 33⅓ per cent.

Car loading reports for the week ending July 23rd show grain and grain commodities reached that week the unprecedented figure of 64,919 cars, an increase of 29,442 cars over the same week of 1920, or nearly 100 per cent.

For the eight weeks ending July 23rd, the loading of grain and grain products was 97,105 cars heavier than during the same period of 1920.

The traffic executives of the railroads feel that these figures clearly indicate that the movement of these two classes of commodities has not been retarded and does not require stimulation.

With regard to road building materials, this is characteristically a local or short haul business. The character of the traffic practically precludes its consideration from a national standpoint.

Representatives of the railroad conferred with representatives of road building materials in Washington in June, and gave assurance of their willingness to reconsider and readjust rates in particular instances where the situations were found to justify such readjustment. In accordance with this assurance, readjustments in the rates on road building materials are being made where the special circumstances make it equitable.

TO RE-OPEN MARBLE QUARRIES

Plans for the early re-opening of the immense marble quarries near Owens Lake have been announced by Charles L. Hilgartner, President of the Hilgartner Marble Company of Baltimore, and Louis H. Dappach, Manager of the Inyo Marble Company of Los Angeles.

The deposits, which extend for six miles and cover an area of 3,200 acres, have not been worked for more than fifteen years. Railway shipping facilities and electric power have now been provided and a large finishing plant is to be installed.

According to Hilgartner, who recently visited the quarries, a large market for California marbles has been developed through the action of Eastern architects in commending its use in preference of imported marble and large shipments to the Orient are also contemplated.

An inventor has given a scrubbing brush a telescoping handle so it can be used at several distances from the hands and at any desired angle.

PORTLAND CEMENT PRODUCTION IN JULY

More cement was produced in the United States in July than in June, and more cement was shipped than was produced, according to figures prepared under the direction of Ernest F. Burchard of the United States Geological Survey. Both production and shipments in July exceeded the average for July in the last five years.

The production for the first seven months of 1921 is more than 97 per cent of the quantity manufactured in the corresponding months of 1[illegible] and more than 52 per cent of the total production in 1920; the shipments are more than 96 per cent of those for the corresponding period of 1920 and more than 52 per cent of those for the whole year 1920.

Stocks at the end of July were over 1,470,000 barrels larger than on December 31, 1920, and a little above the average for July in the five preceeding years, through somewhat less than at the end of June.

The production of clinker (unground cement) during the seven months amounted to more than 53,000,000 barrels, and the July production exceeded 9,000,000 barrels. July stocks of clinker are reported as more than 4,300,000 barrels.

INVESTIGATION OF REINFORCED CONCRETE AND TILE FLOORS

During the past month work has been pushed on the preparation of a publication which will give the results of the extensive test of a reinforced concrete and clay tile floor slab which was carried out by the U. S. Bureau of Standards at Waynesburg, Ohio. This paper, which will probably be issued as one of the Technologic series, will contain information which should be of much interest and value in connection with the now important problem of reducing the cost of building construction. It is not possible to state just when this paper will be ready for distribution, but the work of collecting the data is now practically completed.

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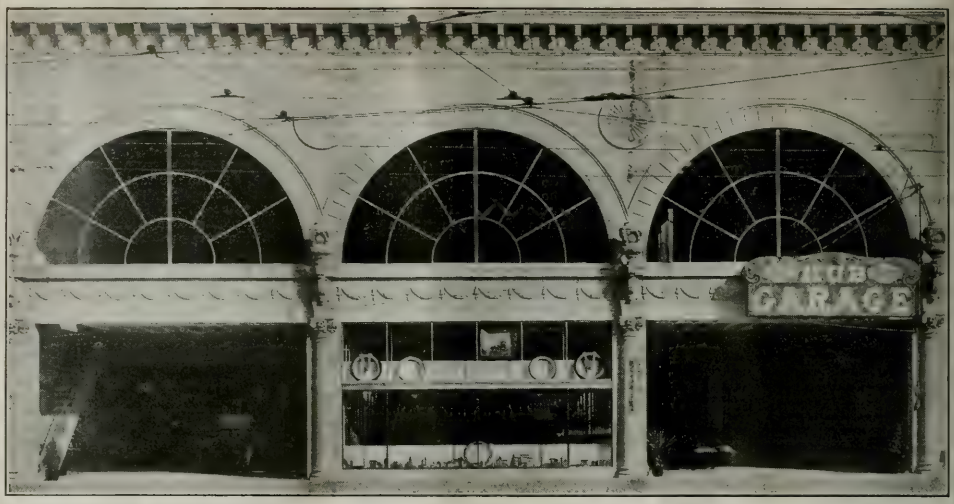

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SAN FRANCISCO, CAL., SEPTEMBER 17, 1921

Published Every Saturday
Twenty-first Year, No. 38

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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SUPERVISOR WILL SIT AT HEARING OF COUNTY ENGINEER

The Third District Court of Appeals has denied the application of Drury Butler, Sacramento County Engineer, for a writ of prohibition to restrain John S. Scholefield, a member of the Sacramento County Board of Supervisors, from hearing the charges of inefficiency and misconduct in office preferred against Butler.

The writ was sought by Butler on the ground that Scholefield was disqualified from sitting with the other supervisors and hearing the charges because he was instrumental in preferring them.

The Appellate Court, in disposing of this contention, declared that it is to be assumed that a member of the Board of Supervisors is "broad enough, big enough, intelligent enough and honest enough to cast aside any prejudice he may have and view the case impartially."

The supervisors have continued the hearing of Butler's case until September 28.

METHOD FOR SECURING TEST SPECIMENS OF HARDENED CONCRETE FROM THE STRUCTURE

Methods and precautions for securing test specimens from hardened concrete in the structure were described in the report of the American Society for Testing Materials' Committee on Concrete and Concrete Aggregates, submitted June 22 at the 24th annual meeting of the society. The methods, which were submitted as tentative, were as follows:

A specimen from hardened concrete to be tested for strength shall not be taken until the concrete has become hard enough so that the cutting of the specimen will not disturb the bond between the mortar [illegible] and the coarse aggregate of the specimen.

The specimen from the structure can best be secured by use of a core drill. For specimens taken perpendicular to a horizontal surface, a drill using chilled shot may be used; but when taken perpedicular to a vertical surface, a diamond drill should be used.

The core specimen taken shall be as nearly as possible a cylinder whose length is twice the diameter.

In securing a specimen perpendicular to a horizontal surface, care shall be taken to secure, if possible, a specimen whose beds shall be parallel to the horizontal bed of the concrete as originally placed.

In securing a specimen prependicular to a vertical surface, or to a surface with a batter, care shall be taken as to the point of securing the specimen. The lower portion of any one unit of depositing in mass concrete is more dense than is the upper portion of the unit; therefore a specimen shall be taken from near the middle of such unit of deposit.

A specimen to be taken from hardened concrete which has been removed from a structure shall be cut out by a drill or shall be cut into a symmetrical test-piece by tooling or by sawing. The method of sawing can seldom be used to advantage in the field. In selecting this test specimen care shall be used to see that the concrete selected has not been injured by the method of its removal from the structure.

The specimens secured shall have ends, or beds, as nearly as possible perpendicular to its axis, and, if the specimen has ends with uneven surfaces, these ends shall be made to parallel plane surfaces with a mortar richer than the mortar of the specimen or with a mixture of cement and calcined gypsum (plaster of paris).

A special committee of the American Engineering Council, the American Institute of Architects, and the Associated General Contractors has just published a report unanimously endorsing the use of the quantity survey.

Cement Output in 1920 Largest in History of Industry

The production of Portland cement in 1920 was 100,023,245 barrels, exceeding that in 1917, the next highest year in production, by 7,209,043 barrels. This amount was an increase of 24 per cent over the production in 1919—80,777,935 barrels. The stocks at the mills increased from 5,256,900 barrels at the end of 1919 to 8,941,046 barrels at the end of 1920.

Estimates of the production and shipment of Portland cement in 1920 published by the United States Geological Survey, February 14, 1921, were only about 0.3 per cent and 0.02 per cent, respectively, higher than these final figures for the year, compiled under the supervision of Ernest F. Burchard, of the United States Geological Survey, Department of the Interior.

The shipments in 1920 amounted to 96,311,719 barrels, valued at $194,439,025, as compared with 85,612,899 barrels, valued at $146,734,844, in 1919, an increase in quantity of 13 per cent and in value of 33 per cent.

Of the 27 states in which Portland cement was manufactured in 1920, 21 showed an increase in shipments and 6 showed a decrease as compared with 1919, and 25 showed an increase in production and 2 showed a decrease.

There were increases in production in all the commercial districts and increases in shipments in all except three as compared with 1919, and yet the estimated Portland-cement manufacturing capacity utilized during the year was only about 66 per cent.

Four plants that were formerly active manufactured no cement during the year, one each in California, Kansas, New Jersey and Virginia. Two plants, one in New York and the other in Oregon, resumed production in 1920 after a period of inactivity. One new plant began producing Portland cement in 1920—the Gulf States, at Spocari, Ala. The producing and shipping plants in 1920 numbered 117.

Prices at Mills

In 1920 the average factory price per barrel for Portland cement in bulk was higher in all the districts and ranged from $1.83 in Indiana and in the Illinois and western Indiana district to $2.46 in Michigan; in 1919 it ranged from $1.62 in Illinois and the Illinois and western Indiana district to $2.08, the average in Oregon and Washington.

The average factory price per barrel for the whole country was $2.02 in 1920, as compared with $1.71 in 1919, an increase of 31 cents per barrel, or 18 per cent. This is the highest average price on record since 1892. The lowest average price recorded was $0.813 in 1909 and 1912.

The combined production of natural and puzzolan cements in 1920 was 767,481 barrels, valued at $1,150,890, as compared with 528,589 barrels, valued at $583,554, in 1919. In 1920, 8 plants reported production of natural cement and 1 plant made puzzolan cement.

In its compilation of the cement statistics as summarized above, the United States Geological Survey had the co-operation of the geological surveys of Alabama, Georgia, Illinois, Iowa, Kansas, Maryland, Michigan, Minnesota, Missouri, New Jersey, New York, Oregon, Virginia, and Washington.

Exports and Imports

The exports of hydraulic cement from the United States in 1920 were 2,985,807 barrels, valued at $10,045,369, or $3.36 per barrel, as compared with 2,463,573 barrels, valued at $7,513,389, or $3.05 per barrel, in 1919, showing an increase in quantity of more than 21 per cent and in value of nearly 34 per cent. The exports were sent principally to South America, the West Indies, Central America, and Mexico.

The imports for consumption in 1920 were 524,604 barrels of 376 pounds, valued at $1,254,729, or $2.39 per barrel, as compared with 9026 barrels, valued at $52,636, or $5.83 per barrel, in 1919. This great increase in imports, which were largely from Canada, is noteworthy.

The statistics of exports and imports were compiled from records of the Bureau of Foreign and Domestic Commerce, Department of Commerce.

The Observer

BUILD NOW!

During the war the cry was: "Ships, Ships and More Ships!"—labor and money were plentiful—the ships were built and the war problem solved.

Today the cry is: "Homes, Homes and More Homes!"—labor is over-plentiful and money is available—but the prospective builder, it seems, is holding off for further reductions in the price of materials. Hence the housing problem remains unsolved.

The man who awaits further reductions in the cost of building materials is like to one that refuses to eat until the cost of food is lowered.

BUILD NOW!

The Central Coal and Coke Co. of Kansas City has concluded the purchase of 24,000 acres of timber land in Northwest Oregon. Lumbering operations will be directed jointly from Kansas City and Portland. The company's timber holdings now extends through eight states from the Gulf to Oregon.

Army engineers have reported unfavorably on further improvements at the Redwood City, Calif., harbor.

Col. S. Graae, widely known in South America and Europe as a civil engineer, sailed from New York for Buenos Aires August 25 to perfect the organization of the New American Trade Bureau which he has established. This bureau's field includes Argentina, Uruguay, Paraguay and Bolivia and its main headquarters will be in Buenos Aires. Colonel Graae also will represent some of the enterprises of E. F. Korbel and Worth Colwell, of Grand Central Palace, New York, in South America. These include several large industrial expositions in various cities. Colonel Graae will have headquarters at the Plaza, Buenos Aires.

Dr. Fortier, head of the Bureau of Irrigation and Public Roads, Department of the Interior, will recommend that the Federal Government expend $7,000,000 on the Newlands (Nevada) project, according to an announcement by Dr. Geo. Thomas, president of the University of Utah.

Wage reductions of from 10 to 33 per cent for many classes of construction workers in Chicago were made by Judge Landis in a decision which, it is believed, will end the controversy and open the way for projects valued at $50,000,000. The old pay was $1.25 an hour. Considering the elimination of all restrictions on labor-saving machinery and materials, save prison-made, Judge Landis estimated the saving in actual cost of building would be about 20 per cent.

Sites have been purchased in Richmond, Calif., by the Republic Steel Package Co. of Cleveland, Ohio, and the Big Four Truck Co. of Sacramento on which it is planned to erect modern factory buildings. The site of the Sacramento concern consists of eleven acres.

William Sproule, president of the Southern Pacific Co., has received authorization from the directors of the road to investigate the feasibility of electrifying the Southern Pacific line between San Francisco and Peninsula Point.

A suggestion that a fund of from $75,000 to $100,000 be set aside annually from the county treasury to provide for permanent county roads has been placed before the Humboldt County Supervisors by the Good Roads Committee of the Federated Commercial Bodies of Humboldt County.

L. W. Wierda, Building Inspector of Richmond, issued permits representing an expenditure of $33,655 during the month of August.

The City of Alameda will construct a modern incinerator without cost to the taxpayers, according to Clifton E. Hickok, City Manager. Construction will be financed from the profits of the Municipal electric light plant which during the past year amounted to $78,-135. It is planned to have the incinerator completed about May 1, 1922.

The War Department, through local officers of the United States Corps of Engineers, will hear San Francisco's application for permission to bridge the bay at 10 A. M. Friday, October 7, in the chambers of the Board of Supervisors at the City Hall, according to an announcement of Colonel Herbert Deakyne, Corps of Engineers.

Bringing a wealth of experience in auto ferry operation and considerable financial support, Aven J. Hanford, president and general manager, and O. H. Klatt, secretary of Rodeo-Vallejo Ferry Company, have joined the Directorate of Golden Gate Ferry Company. Hanford has been elected vice-president, and Klatt is secretary-treasurer. Joining forces with the Golden Gate Ferry crowd, at a time when plans and specifications are being drawn for the terminal construction and the first boat of the proposed fleet, the Rodeo-Vallejo officials aim to work their fellows directors of the Golden Gate Company to get the service in operation at the earliest possible moment.

Freightage on 1,700,000 tons of steel shipped to the coast last year amounted to $37,000,000, it was announced by A. P. Gilles, who is interesting the Alameda Chamber of Commerce with the development of the hydro-electric power in the high Sierras for the operation of the contemplated steel plant on Bay Farm Island. The total valuation of the steel shipments was placed by Gilles at approximately $100,000,000.

Pacific Portland Cement Company, Cons., complains to the Railroad Commission against the Southern Pacific Company and the Cement, Tolonas & Tidewater Railway Company charging that the rate from the company's plant at Cement, Solano county, to San Francisco is excessive and discriminatory. The complaint alleges that the charge on crude rock from Flint to Tolonas of 70 cents a ton plus a rate of $1.50 per ton on cement from Cement to San Francisco is unfair, as compared with the rate of $1.50 per ton on cement from a competitors plant at Davenport to San Francisco. The complaint asks a rate of 50 cents a ton on rock from Flint to Tolonas and $1 a ton on cement from Cement to San Francisco. Reparation for charges in excess of the proposed rates is requested.

The Pennsylvania Bureau of Mediation and Arbitration reports that during 1920, 72 building strikes were called in that state, resulting in a loss of 274,751 man days and $1,484,783 in wages. More strikes were called only in the textile and metal industries, but the number of building strikes was only about one-seventh of the number of strikes in all industries. Loss of wages in building strikes was only about one-tenth of the loss of wages from strikes in all industries.

"A White Fir Volume Table," by Donald Bruce is the latest bulletin issued by the Agriculture Experiment Station of the University of California. Copies will be furnished on request. Ask for Bulletin No. 329.

Building employers in the city of Fresno will be guided in the future by decisions of the San Francisco nonpartisan tribunal to be appointed to fix wage scales and determine working conditions in the Bay City. This is the declaration made by C. D. LeMaster, secretary of the Commercial Industries Association of Fresno. Promise is made that further adjustments will be made in the building industry in Fresno during the fall with a view to stimulating activities in that city.

Two hundred and fifty-four billion feet of Oregon timber is privately owned. The State owns 2 billion feet, national forests cover 132 billion and Indian reservations, national parks and public domain, 56 billion feet. The total is estimated at 444 billion feet.

W. P. Fuller & Co. announce a reduction of 5c per gal. in prices of linseed oil, effective Sept. 3. New quotations are 92c for raw in barrels and $1.07 in cases and 94c for boiled in barrels and $1.09 in cases.

C. H. Dove, in company with his father, A. H. Dove, formerly of Oakland, have formed a partnership and will conduct a contracting painting business in Chico, under the name of Dove & Son.

The Chicago Association of Wood Industries has announced that shops of all members will be operated under the so-called "American Plan." Inability to compete with outside mills which pay lower wages is given as the reason for abandoning the closed shop.

Stanley P. Allen, secretary of the State Board of Control, has tendered his resignation, effective Oct. 6. He is resigning to become manager of the Southern Pacific Securities Corporation of Los Angeles, a new $1,000,000 concern, organized to finance automobile dealers.

The Standard Oil Co. announces a reduction in wages of its employees in California of 10 per cent, effective Oct. 1. Approximately 25,000 employes will be affected by the reduction.

New York is experiencing one of the greatest building booms in its history, according to advices received here. In four of the five boroughs constructing this year, to August 1, exceeded in value the building for the whole of 1920.

(Continued on Page 15)

CLAY MINING IN 1920 SHOWS LARGE INCREASE

The quantity and value of the domestic raw clay marketed by miners in the United States in 1920—estimated at 3,159,000 tons, valued at $12,094,000, or $3.83 per ton—showed a large increase, as compared with 1919, according to Jefferson Middleton, of the United States Geological Survey, Department of the Interior. The increase has been 34 and 71 per cent, respectively.

Practically every kind of clay showed a large increase in output and value. Fire clay, the kind showing the largest output and value, made the largest increase, 685,000 tons, or 40 per cent. The output of this clay was estimated to have been 2,400,000 tons, or 76 per cent of all clay marketed. It was valued at $7,720,000, or $3.22 per ton, at the mine, an increase in value of 86 per cent compared with 1919. The average price per ton increased 33 per cent. The output of kaolin and paper clay, the purest form of clay, which is used chiefly in making paper, high-grade pottery, tile, oil cloth, paint, etc., amounted to 264,000 tons, valued at $2,385,000, an increase of 41 per cent in quantity and of 45 per cent in value. The average price per ton, however, $9.03, increased only 2.5 per cent, as compared with 1919.

The output of ball clay, also used largely for high-grade pottery and refractories, increased from 93,000 tons in 1919 to 145,000 tons in 1920. The value of this output increased from $637,000 to $1,340,000. The average value per ton was $9.24, an increase of 33 per cent, as compared with 1919.

WORLD SURVEY OF CONSTRUCTION INDUSTRY URGED

Among the resolutions adopted at the recent London meeting of the International Chamber of Commerce was one urging that the chamber appoint a permanent committee to undertake a world survey of the construction industry and provide a necessary staff for carrying on such work.

This survey would proceed along the lines of collecting and collating and discriminating the vast amount of valuable data which is available and which is at present in the possession of such agencies as The British Societies of Engineering Standards, The Royal Institute of British Architects, The French Ministry of Commerce, The Office de Batiment in Paris, The International Biographical Institute of Brussels, The Advisory Committee of the Federation of Labor, The National Federation of Construction Industries of the United States, The Associated General Contractors of America and a number of similar agencies operating in different countries.

GLIDDEN CO., PAINT MFRS., CUT PRICES

The Glidden Co., manufacturers of paint and varnish, has issued a scale of prices showing material reductions. The cut was accompanied by an announcement that the company believed it the duty of every manufacturer, wholesaler and retailer to reduce prices to the utmost in order to enable the country to get back to a normal basis. While house paint was reduced 50 cents a gallon and similar paint in colors was cut 40 cents. Prices on varnish also were reduced materially. The company states it cannot make a normal profit at these prices, but hopes to make up the difference in volume of sales.

Street Assessment Bond Corporation Proposed by San Mateo Attorney

Formation of a new corporation, with offices in San Francisco, to handle street assessment bonds is proposed by Chas. N. Kirkbride, attorney of San Mateo. Kirkbride was delegated by fellow attorneys to prepare the draft of the present Improvement Bond Act of 1915, which has added much to the protection of street work issues, and he believes that such securities are now in a position where with care in their authorization they can safely be recommended for investment.

Speaking of the proposed corporation, Kirkbride says:

"At the present time there is an apparent dearth of money available in California for financing street work, where the cost of same is levied on private property. This shortage has resulted:

In preventing needful improvements; in tying up capital invested in paving, sewering and other construction equipment; in loss through continued overhead expense entailed on idle contracting companies; in loss to materialmen through inability to market their commodities, and in loss to labor at a time when the workingman needs employment.

Capital which was heretofore available for such financing has been drawn away through the attractions offered by other forms of investment. Under these circumstances it is believed that those interested, whether by reason of their furnishing rock, sand, gravel, cement, asphalt or road working equipment, or by reason of their being engaged in the business of actual construction, should draw together and co-operate in the creation of a strong organization to handle and market these securities.

The subscribed capital stock of such a corporation should be at least $500,000, and office should not be opened till at least $100,000 was paid in. The stock should all be common, no preference being given to any stockholders.

Only the best class of street assessment securities should be dealt in, and none unless approved: As to legality and as to sufficiency of the property assessed to bear the burden imposed upon it.

A reasonable portion of the annual profits should be set aside as a sinking fund to follow up all cases where paper sold proved slow, and thus help the purchaser of same to protect himself from loss. With a good selling organization and a spirit of co-operation, the turn-over should be rapid and the usefulness of the capital invested be multiplied many times."

A. C. BLUMENTHAL & CO. OPEN LOS ANGELES BRANCH

A. C. Blumenthal & Co., local real estate firm, which has been very active during the past year in large building operations, have opened a Los Angeles office in the new Pacific Mutual Life Bldg. and will now establish an organization in that city.

This firm is handling the two million dollar Loew's Ackerman & Harris State Theatre and office building at the corner of 7th and Broadway in Los Angeles, which is the most prominent corner in that city, and have several other building operations under way.

Mr. Blumenthal states the reason for opening in the Southern city is that the operations of this firm have extended over the Pacific Coast and he feels it is necessary to have an office in the Southern city. The main office will remain in San Francisco.

The firm will shortly move their San Francisco office to the corner of Sutter and Montgomery in the California Pacific Title Insurance Bldg.

ALL-IN-ONE COMPANY IS REORGANIZED

Announcement is made of the reorganization of the All-In-One Company. The new company will be known as the All-In-One Plumbing Fixture Corporation and it will have a capital stock of $250,000. For the present it will manufacture its products in a leased plant at Sacramento. The officers of the new corporation are: President, F. W. Brown, manager of the Avery Co. of California; vice-president, Arthur Bateman, general manager of the Institute of Sanitary, Heating and Ventilating Engineers; secretary, M. A. Wollman, manager of the John Oshsner Corp., Sacramento; treasurer, Sen. C. B. Bills, vice-president of the Sacramento - San Joaquin bank; directors, Bert Moeller part owner and manager of Ford agency at Sacramento; Martin I. Welsh, attorney, Sacramento; Carl E. Brown, manager of Diamond Match Co.'s yard at Arbuckle; Edgar E. Wiker, attorney, Colusa; E. A. Vermere, master plumber; Jens C. Peterson, architect of Sacramento schools.

SILICA BRICK

The refractory silica brick industry in the United States continued to make progress in 1920. These brick are used principally in by-product coke ovens, in open-hearth steel furnaces, in copper reverberatory furnaces, and in the glass industry, in which they must withstand high temperatures, such as would fuse ordinary clay fire brick. They also withstand abrasion well. The output in 1920, as estimated by Jefferson Middleton, of the United States Geological Survey, Department of the Interior, was 255,000,000 brick, valued at $15,540,000, or $60.94 a thousand, an increase of 18 per cent in quantity and 32 per cent in value as compared with 1919. The quantity marketed in 1920 was exceeded by that in 1917 and in 1918, when the stress of war caused an increase in the production of all refractories. The value in 1920 was exceeded only by that in 1918. The price per thousand in 1920 was the highest recorded. The output in 1920 was 46 per cent greater, the value 307 per cent greater, and the average price per thousand 178 per cent greater than in 1913.

FABRICATED STRUCTURAL STEEL CONTRACTS IN JUNE

The records of the Bridge Builders & Structural Society, from reports collected by its Secretary, show that during the month of June, 1921, 66,300 tons of fabricated structural steel was contracted for throughout the United States, equivalent to [illegible] per cent of the entire capacity of the bridge and structural shops of the [illegible] for May totaled [illegible] per cent capacity of the shops.

Building News Section

APARTMENT HOUSES

Figures to Be Taken Shortly.
APARTMENTS Cost, $20,000
SAN FRANCISCO. E Twenty-second Ave. 100 N Lake St.
Three-story frame (3) apartments.
Owner—Miss Laura Goodman, 86 West Clay St., San Francisco.
Architect — G. A. Applegarth, Claus Spreckels Bldg., San Francisco.

Sub-Figures Being Taken by Owner.
APARTMENTS Cost, $30,000
SAN FRANCISCO. SE Ashbury and Clifford Streets.
Three-story and basement frame and plaster apartments.
Owner—W. H. Humphrey, 1279 19th Av., San Francisco.
Architect — J. C. Hladik, Monadnock Bldg., San Francisco.
Plans may be seen at the office of the Daily Pacific Builder, 560 Mission St., San Francisco, Builders' Exchange, 180 Jessie St., or at the owner's residence, 1279 19th Ave.

Contract Awarded.
APARTMENTS Cost, $60,000
LONG BEACH, Los Angeles Co., Cal. 19th Place and Ocean Blvd.
Two and three-story brick apartment building, 55x145 (17, 2 to 5 rooms each).
Owner—R. E. Bowden.
Architect—Not Given.
Contractor — Ross & Richey, Long Beach.

Plans Being Prepared.
APARTMENTS Cost, $75,000
LOS ANGELES. Boylston St. extending to Beaudry Avenue near 5th Street.
Two two-story frame and plaster apartment buildings, 10 and 16, 3-room apts.
Owner—Emil Olcovich.
Architects—Walker & Eisen, 325 Pacific Finance Bldg., Los Angeles.

Contract Awarded.
ADDITION Cost, $45,000
LOS ANGELES. Hollywood Blvd. and Sycamore Street.
Add second story to present brick apartments (20, 2 & 3-room apts.)
Owner—M. Newman, W. Scheinman & Ben Schuchalter.
Architects — Walker & Eisen, Pacific Finance Bldg., Los Angeles.
Contractor—Christ Thoren, 2131 Santee St., Los Angeles.

Concrete Contract Awarded.
APARTMENTS Cost, $525,000
SAN FRANCISCO. NW Washington & Gough Streets.
Seven-story and basement reinforced concrete apartments (14 10-room apts.)
Owner — Two Thousand Washington St., Inc., Care Architect.
Architect — C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
The concrete work, roofing, sheet metal and ornamental iron work has been awarded to The American Concrete Co., Humboldt Bank Bldg., at $87,838.
Contracts will be awarded shortly for carpentry, mill work, plastering, painting, tiling, elevators, oil burning system, damproofing, hardwood floors, plumbing, heating, electrical work, refrigerating machinery, incinerator, water softener, finish hardware, electrical fixtures and shades.

Permit Applied For—To be Done by Day's Work.
APARTMENTS Cost, $37,500
SAN FRANCISCO. W Twenty-fourth Avenue 150 N Lake Street.
Three-story and basement frame (6) apartment house.
Owner—W. A. Savage, 81 7th Ave., San Francisco.
Architects—Morrow & Garren, 1605 Chronicle Bldg., San Francisco.

Figures to Be Taken End of This Week
APT. HOUSE Cost, $18,000
SAN JOSE, Santa Clara Co., Cal.
Two-story frame and stucco apartment house (8 2 and 3-room apts.).
Owner—Mr. Henning.
Architect—Binder & Curtis, 255½ S. 1st St., San Jose.
Figures will be taken for a general contract.

Contract Awarded.
APT., STORE BLDG. Cost, $49,750
BERKELEY, Alameda Co., Cal. NW Telegraph and Dwight Way.
Three-story Class "C" apartment and store bldg (55 rooms).
Owner—Mrs. H. E. Chandler, 2946 Claremont Blvd., Berkeley.
Architect—Not given.
Contractor—Frank A. Ernsberger, 177 Santa Clara Ave., Oakland.

Contract Awarded.
APT. HOUSE Cost, $50,000
LOS ANGELES. Westlake Ave. betw. Orange and 7th Sts.
Two-story frame and plastered apartment house 50x133 (24 2-room apts.).
Owner—Perry Charles.
Architect—E. B. Rust, 527 Black Bldg., Los Angeles.
Contractor—L. T. Mayo, Black Bldg., Los Angeles.

Plans Completed.
COM. APT. HOUSE Cost, $——
SAN LUIS OBISPO, Cal. Buchon and Beach Sts. (300x150).
Two-story brick community apartment house (28 apts.).
Owner — Represented by San Luis Realty Co.
Architect—Not given.
Contractor—Jacobs Construction Co., H. W. Hellman Bldg., Los Angeles. Calif.
All modern conveniences will be installed. One of especial interest to tenants will be the garbage incinerator, the laundry, electric washers and electric mangles and drying room in the basement. Building will be steam heated, have continuous hot water, an automatic refrigerator in each kitchen.

Plans Being Prepared.
APT. HOUSE BLDGS. Cost, $90,000
SAN FRANCISCO. Fulton St. between 1st and 2nd Aves., 172 ft. frontage.
Three 2-story and basement frame and plaster apartment house buildings.
Owner—Name withheld.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
There will be a fourteen-foot court between each building. The center building will have a steam heating plant to supply the other two structures.

Plans Being Prepared.
STORE-APT. BLDG. Cost, $——
LONG BEACH, Los Angeles Co., Calif. Fourth and Terminal Sts.
Two-story brick store and apartment building 40x45 and a flat bldg to contain six 2 and 3-room flats.
Owner—J. E. Webb.
Architect—Joseph H. Roberts, 213 Marine Bank Bldg., Long Beach.

Contract Awarded.
APT. HOUSE Cost, $275,000
LONG BEACH, Los Angeles Co., Calif. SE E-Ocean Blvd and 2nd Pl.
Seven-story and basement reinforced concrete Class A apartment house 55x172 (roof garden, 187 rooms, 76 apts.).
Owner—Findley Construction Co. et al.
Architect—Jos. H. Roberts, Marine Bank Bldg., Long Beach, Calif.
Contractor—The Findlay Const. Co., E. Ocean Blvd. and 2nd Pl., Long Beach, Cal.

Segregated Figures Being Taken—Bids Close Sept. 19, 1921, 10 A. M.
APARTMENTS Cost, $85,000
SAN FRANCISCO. NW 26th Ave. and West Clay Street.
Three-story and basement frame apartments (6 6-room and 1 10-room apts. and basement garage.)
Owner—C. L. Haley.
Architect—Kenneth Macdonald Jr., 234 Pine St., San Francisco.
Plans have been slightly revised.

ANAHEIM, Orange Co., Cal.—Wilson & Bever, Anaheim, were awarded a contract at $154,000 for erecting a 2-story brick store and office building, 135x135 ft., on W. Center St., in Anaheim, for Samuel Kraemer. Other bids were: Chris. McNeill, Santa Ana, $174,671; and Young & Beer, $175,000. Six store rooms, 14 offices and 12 4-room apartments. M. Eugene Durfee of Anaheim is the architect.

BONDS

SANTA ROSA, Sonoma Co., Cal.—An election will be held Sept. 30 in the Bloomfield School District to vote bonds of $8,000 to finance school improvements. Trustees of the district are: James Martin and Russell L. Smith.

SOUTH PASADENA, Los Angeles Co., Cal.—The $15,000 bond issue to construct a tunnel at Fremont Ave. under the two roadways of Huntington Dr. and 4 tracks of the Pacific Electric Ry. carried at a special election, as did bonds of $15,000 to provide funds for financing the construction of a tunnel passageway under the P. E. right-of-way and Huntington Dr. at Fremont St., South Pasadena, for use of the New Fremont School pupils.

MARYSVILLE, Yuba Co., Cal.—Trustees declare intention to beautify Ellis Lake. A bond election will be held, probably in December, to vote $50,000 for the improvement.

CULVER CITY, Los Angeles Co., Cal. — The $75,000 bond issue for construction of main line sewers and a sewage disposal plant carried at a special election. Koebig & Koebig, Title Insurance Bldg., Los Angeles, are the engineers.

MODESTO, Stanislaus Co., Cal.—The Supervisors have sold $60,000 bond issue of the Oakdale Union School District for premium of $258; proceeds of the sale to finance school improvements. Plans are being prepared by Architects Davis-Heller-Pearce Co., Delta Bldg., Stockton.

SANTA ROSA, Sonoma Co., Cal.—Supervisors sell $250,000 bond issue of Petaluma School District; proceeds of sale to finance school improvements. Plans are being prepared by Architect Brainerd Jones of Petaluma

The County Board also sold the $115,000 issue of the Sonoma Valley Union High School District; proceeds of the sale to finance construction of a new school building, plans for which are being completed by Architect W. H. Weeks, 75 Post St., San Francisco.

MARYSVILLE, Yuba Co., Cal.—An election will be held in December or January of next year to decide the question of issuing bonds of $85,000 to finance the improvement of streets. W M. Meek, City Engineer.

CHURCHES

Plans Being Prepared.
CHURCH ADD. Cost, $——
WHITTIER, Los Angeles Co., Cal.
Three-story hollow tile church addition 36x128 (offices, auditorium and classrooms).
Owner—First M. E. Church.
Architect—Arthur G. Lindley, 905 Wright & Callender Bldg., Los Angeles.

FACTORIES & WAREHOUSES

Figures to be Taken in a Few Days.
BRICK BLDG. Cost, $——
LOS ANGELES, San Pedro St., bet. 5th and 6th Streets.
Two-story brick building, 50x185.
Owner—Thos. I. Woods.
Architect—T. Beverley Keim Jr., 719 Haas Bldg., Los Angeles.

To be Done by Day's Work.
LOFT BLDG. Cost, $350,000
LOS ANGELES, Cal. Seventh and Bixel Streets.
Ten-story and basement Class A loft building.
Owner—W. W. Paden and C. H. Price.
Supt. of Constr.—Geo. W. Harding.
Architects & Engineers—Leonard L. Jones and L. E. Mayberry, 472 Pacific Electric Bldg., Los Angeles.
The contract which was awarded to Henry Leonardt for the concrete work has been cancelled.
Sub-figures will be taken by the architects and work will be done by day's labor.

Plans Being Prepared.
WAREHOUSE, ETC. Cost, $——
PASADENA, Los Angeles Co., Cal.
Six-story and basement Class "A" reinforced concrete storage warehouse 66x150 ft. and a 1-story reinforced concrete garage in the rear, 64x66 ft.
Owner—Pasadena Transfer and Storage Co.
Architect—John C. Austin, Baker-Detweiler Bldg., Los Angeles.

Contract Awarded
FACTORY Cost, $54,971
LOS ANGELES, Cal. SW N-Main and Gibbon Sts.
Three-story and basement Class A reinforced concrete drug factory 95x74x62.
Owner—R. Schiffman Co., Inc
Architect—Jos. J. Blick, 304 Dodworth Bldg., Pasadena, Calif.
Contractor—Wm. T. Loesch, 109 S. Chester St., Pasadena.
Elevator work to Barnett Mfg. Co.
Electric wiring to Prewitt Elec. Co.
Plumbing to Richardson & Tyler, Pasadena.
Elevator enclosures to Tresslar Iron Wks., Los Angeles.

Contract Awarded.
ADDITION Cost, $——
RICHMOND, Contra Costa Co., Calif. 5th and Hensley Sts.
One-story corrugated iron addition to factory 150x300.
Owner—Pacific Sanitary Co., Premises.
Architect—None.
Contractor—Carl Overaa, 2105 Roosevelt, Richmond, Calif.

ATASCADERO, San Luis Obispo Co., Cal.—E. G. Lewis, Atascadero, has taken over the development of the tract for the Standard Oil Co. near Los Angeles. The place will be known as Palis Verdes. It is planned to spend about $35,000,000 in improvements.

PORTLAND, Ore.—Columbia Tire Co., 1401 Northwest Bank Bldg., will shortly take figures for a two-story reinforced concrete tire plant, estimated to cost, $100,000. The building will have 350 feet frontage with four wings 90 feet long. Plans were prepared by Eastern engineers. R. A. Wurzburg, heads the company.

NEWPORT BEACH, Cal.—Until 7.30 P. M., October 3, bids will be received by City Trustees for constructing a wooden wharf from Main St. and Surf Ave. extending out into the ocean 800 ft., for which $25,000 bonds were voted; also for constructing a wooden wharf from the end of Washington St. extending 100 ft. into Newport Bay, for which $4500 bonds were voted. Contractors will be required to take bonds for work. Plans and specifications may be obtained from Paul E. Kressley, consulting engineer, 732-733 H. W. Hellman Bldg., Los Angeles, or at the office of City Clerk Alfred Smith, Newport Beach.

FLATS

Owner Taking Segregated Figures.
FLATS Cost, $12,000
SAN FRANCISCO, S Balboa Street 100 — Seventeenth Avenue.
Two-story and basement frame (2) flats.
Owner—C. Petersen, 646 Cabrillo St., San Francisco.
Architect—None.

Contract Awarded.
FLATS Cost, $11,000 ea.
SAN FRANCISCO, SW Franklin and Green and S. Green 50 W. Franklin.
Two 2-story and basement frame 2 flats each.
Owner—W. A. Morris, 2195 Green St
Architect and Contractor—W. W. Rednall, 2500 Filbert St.

Plans Being Prepared.
FLATS Cost, $32,000
SAN FRANCISCO, NW Clay 40 W 26th Ave.
Two-story and basement frame (3) flats.
Owner—A. M. Lesser, 110 2nd Ave., San Francisco.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.

Contract Awarded.
FLATS Cost, $12,000
SAN FRANCISCO, E. 22nd Ave. 150 N. Lake
Two-story and basement frame (2) flats.
Owner—Graeme MacDonald.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco.

GARAGES

Contract Awarded.
SALESROOM, ETC. Cost, $50,000
LONG BEACH, Los Angeles Co., Cal. 1227 American Ave.
One-story brick auto salesroom and garage building.
Owner—J. Carter and A. C. Holliday.
Lessee—Fred A. Steele.
Architect—Not given.
Contractor—C. T. McGrew & Son, 1345 W. Ocean Ave., Long Beach.

GOVERNMENT WORK AND SUPPLIES

Figures to Be Called for in About a Month.
REMODEL BARRACKS Cost, $30,000
MARE ISLAND, Cal.
Remodel marine barracks.
Owner—U. S. Government, Navy Department.
Architect—Owner.
Plans have been revised and figures will be called for in about a month.

The following bids were received by the Chief of the Bureau of Yards and Docks, Navy Department, Washington, under specification 4390, for riprapping dike No. 12 at the navy yard, Mare Island:

Item 1, net price per cu. yd. and time for the work, complete, in accordance with the drawings and specification; item 2, net price per cu. yd. and time for the work, complete, in accordance with the drawings and specification, provided the Government places necessary stringers on the dike for the support of ties and rails and builds such temporary trestle and cribs as may be necessary for curves and passing tracks, the contractor to supply and place all ties, rails, and fittings; item 3, net price per thousand feet, b. m., for such stringers as the contractor may place and leave in place on dike No. 12 under item 1, provided the Government should desire to have these remain in place after the completion of the contract.

Chadwick & Sykes, 618 Crocker Bldg., San Francisco (1) $1.09, 250 days; (2) $1.05, 250 days; (3) $1.

Welsh & Costello, 690 Mills Bldg., San Francisco (1) 98c, 189 days; (3) $14.

Tibbetts-Pacific Co., 16 California St., San Francisco (1) $1.49, 250 days; (2) $1.47, 250 days; (3) $30.

Healy Tibbetts Construction Co., 9 Main St., San Francisco (1) 78c, 250 days; (2) 71c, 250 days; (3) $35.

Daniel O'Day Co., 180 Jessie St., San Francisco (2) $1.20, 250 days.

Utah Construction Co., 824 Phelan Bldg., San Francisco (1) 75c, 250 days; (2) 73c, 250 days; (3) $30.

Palmer & McBryde, 503 Market St., San Francisco (1) 95c, 250 days; (2) 91c, 250 days; (3) $20.

Daniel Contracting Co., 503 Market St., San Francisco (1) $1.30, 250 days.

R. C. Storrie & Co., 804 Crocker Bldg., San Francisco (1) $1.25, 200 days; (2) $1.20, 200 days; (3) $20.

Shattuck Construction Co., 525 Market St., San Francisco (1) 78c, 250 days; (2) 68c, 250 days; (3) $15.

Charles Harlowe Jr., 2305 Fulton St., Berkeley, Calif (1) 90c, 250 days; (2) 80c, 220 days; (3) $10.

SAN FRANCISCO, Until Sep. 21, 10 A. M., bids will be received at Quartermaster Supply Officer Fort Mason, under Circular No. 22-17 for furnishing

and delivering copper wire, flashlight batteries, stove bolts, various kinds of brushes, deck cable, 2000 lbs. yellow fire clay, twist drills, brass valves, pipe and fittings, machine nuts, ship locks, various paints, rivets, screws, chain shackles, snap switches, etc., etc.

WASHINGTON, D. C. —Bureau of Yards and Docks, Navy Department, is preparing Specification No. 4517 for the superstructure for the new machine shop at Pearl Harbor, T. H.

WASHINGTON, D. C. —The bid of Charles H. Bilderback, 944 High St., Eugene, Oregon, $6,700 in amount, has been accepted for alterations and changes to the U. S. public building at Eugene, Oregon.

WASHINGTON, D. C.—All bids received by the Supervising Architect, Treasury Department, Washington, for the construction complete of the U. S. Post Office at Globe, Ariz., have been rejected, the lowest being in excess of the amount available for this purpose.

Office of the Custodian, U. S. Court House, Portland, Oregon.—Bids are wanted until, (date not set) for repairs, etc. For information address above.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at end of each paragraph:

Schedule 8730, Mare Island, 177,200 pounds medium steel hull plate and 72,-030 pounds do, opening of September 30.

Schedule 8731, Mare Island, 25,000 feet, b. m., sugar pine, opening of September 30.

Schedule 8741, Mare Island, 12,000 yards wool bunting, opening of October 4.

The following bids were received by the Chief of the Bureau of Yards and Docks, Navy Department, Washington, under specification 4478, for 50-ton steam locomotive jib cranes at the naval dry dock, South Boston, Mass., and Puget Sound, Wash.:

Item 1, net price and times for both cranes, complete in accordance with the drawings and specifications; 2, net price and time for the crane at South Boston, Mass., complete, in accordance with the drawing and specification; 3, net price and time for the crane at Puget Sound, Wash., complete, in accordance with the drawing and specification; 4, net prices and times to be added to or deducted from the prices and times stated under item 1 for both cranes, complete, in accordance with the drawings and specifications, but based upon alternative No. 1; 5, net price and time to be added to or deducted from the price and time stated under item 2 for the crane at South Boston, complete, in accordance with the drawing and specification, but based on alternative No. 1; 6, net price and time to be added to or deducted from the price and time stated under item 3 for the crane at Puget Sound, complete, in accordance with the drawing and specification but based on alternative No. 1; 7, net prices and times to be deducted from items Nos. 1, 2 and 3, if the 5-ton hoist is omitted; 8, net prices and times to be deducted from the prices and times stated under items Nos. 1, 2 and 3 (with those stated to be added or deducted under items Nos. 4, 5 and 6, respectively), if the 5-ton hoist is omitted.

American Hoist & Derrick Co., 63 S. Roberts St., St. Paul, Minn. (1) $617,870, 300 days; (2) $296,645, 270 days; (3) $309,725, 300 days; (5) deduct $103,670; (7) deduct $400 from item 1 and $200 from items 2 or 3; (8) same as item 7; alternate, item 1, $563,870, 555 days; (2) $274,145, 495 days; (3) $289,725, 500 days; (5) $88,670, 170 days.

McMyler Interstate Co., Bedford, Ohio (1) $144,667 for S. Boston and $162,899 for Puget Sound; (2) $154,667; (3) $172,899; (7) deduct from item 1, $1,485 for S. Boston and $1,590 for Puget Sound; (7) deduct from item 2 $1,635 for S. Boston and $1,740 for Puget Sound.

Hadfield-Penfield Steel Co., 227 S. Walnut St., Bucyrus, Ohio (1) $339,750, 270 and 300 days; (2) $168,400, 270 days; (3) $179,350, 300 days; (4) $21,000; (5) $10,500; (6) $10,500; (7) deduct $10,-630; (8) deduct $10,630.

WHIPPLE BARRACKS, Arizona—H. G. Richey, Supervising Architect, Whipple Barracks, Ariz., states that approximately $300,000 worth of the work contemplated at Whipple Barracks will be done by contract and that bids will be advertised for shortly. Three ward buildings and alterations to the present buildings are being contemplated by day work. The other work contemplated by day are 10 quarters for officers and several large buildings for employes.

SAN FRANCISCO.—Until Sept. 24, 11 a. m., bids will be received by U. S. Engineer, 240 Montgomery St., under Order No. 3285, for fur. and del. f. o. b. Rio Vista, Solano County, irons for a 12-in. stiff leg derrick:

1 mast bottom and double step for 12x12-in. timbers complete with boom plates, bolts and sheaves, and including guiding sheaves.

1 mast top for 12x12-in. timbers, complete with mast cap with 3½-in. diameter gudgeon, complete with a single lead sheave 16-in. diameter.

1 single sheave 16-in. and mast bracket complete with bolts and plates for 14x14-in. mast.

1 boom end for 12x12-in. timber complete with boom lift straps and sheave 16-in., and hoist straps and sheaves 16-in. (including lead sheave).

2 pair 45° forged top stiff leg irons for 12x12-in. timbers complete with plates and bolts, plates to be approximately 2-in. by 12-in. by 7 ft. and ½-in. by 10-in. by 6 ft.

2 pair lower stiff leg irons for 12x 12-in. timbers complete with pins and bolts; the sill plates to be approximately ½-in. by 10-in. by 3 ft. and the brace irons to be approximately ⅝-in. by 8-in. by 3 ft.

4 pair brace irons for 12x12-in. timbers to be approximately ½-in. by 6-in. by 2 ft. 6 in. complete with bolts.

HALLS AND SOCIETY BUILDINGS

Low Bidder—Contract Awarded.
LODGE BLDG. Cost, $70,000
VALLEJO, Solano Co., Cal. Main St.
Three-story frame and plaster lodge building.
Owner — Vallejo Council No. 874, Knights of Columbus.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
George Barenchi, 921 Kentucky St., Vallejo, submitted the lowest bid at $72,100, and will be awarded the contract.

CERES, Stanislaus Co., Cal. — The Odd Fellows Lodge of Ceres has approved the plans and specifications for a two-story interlocking tile and concrete lodge and store building to be erected opposite the Bank of Ceres.

SOUTH PASADENA, Los Angeles Co., Cal.—The following bids were received by the City Trustees of South Pasadena for erecting a war memorial bldg. for the American Legion: John Simpson Co., $22,739; H. E. Tabor, $22,-915; Chester R. Hovey, $23,000; J. W. Howell, $26,650; and Blee & Sears, $33,-000. The bids were rejected. Norman F. Marsh, 210 Broadway Central Bldg., Los Angeles., is the architect.

SANTA ROSA, Sonoma Co., Cal.—Scottish Rite bodies of Santa Rosa are contemplating the erection of an auditorium in A street. A concrete structure, 80 by 175 feet, costing in the neighborhood of $30,000 is planned.

HOSPITALS

Plans Being Completed.
HOSPITAL Cost, $——
BAKERSFIELD, Kern Co., Calif.
Fireproof County Hospital.
Owner—County of Kern, F. E. Smith, County Clerk.
Architect—Chas. Biggar, 1st National Bank Bldg., Bakersfield.
It is expected that plans for the structure will be presented to the Supervisors for approval within the next few weeks.

Commissioned to Prepare Plans.
HOSPITAL Cost, $175,000
SAN JOSE, Santa Clara Co., Cal. N. E-Santa Clara St. near 14th St.
Three-story fireproof hospital (75 beds).
Owner—San Jose Hospital Assn., a corporation.
Architect—Binder & Curtis, 255½ S. 1st St., San Jose.

Figures for Carpentry Work to Be Called for in About Three Weeks.
HOME & HOSP. BLDG. Cost, $400,000 First Unit
SAN FRANCISCO. Mission Road.
Two-story Class A home and hospital building.
Owner—Hebrew Hospital and Home for aged and disabled.
Architect — S. L. Hyman, Forcroft Bldg., San Francisco.
Construction has been started and contracts for the steel bars, brick, stone, terra cotta, plumbing, excavating and concrete work, steam heating, etc.

PORTLAND, Ore.—Claussen & Claussen, architects, Macleay Bldg., are taking bids for the carpentry and masonry work for the proposed two-story and basement brick hospital, 195 by 38 with L, 141 by 36, to be erected for Western Oregon Conference, S. D. A., at East 60th and Belmont streets. Estimated cost, $130,000.

SANTA BARBARA, Cal.— Until 10 a. m., Oct. 3, bids will be received by the Board of Supervisors of Santa Barbara County for installing a central heating plant for the group of buildings constituting the Santa Barbara General Hospital. The work will include installation of boilers, hot water tanks, conduits, manholes, piping and radiation. Plans and specifications may be obtained from C. A. Hunt, County Clerk, upon deposit of $10.

MARTINEZ, Contra Costa Co., Cal.—Until Oct. 3, 11 a. m., bids will be received by J. H. Wells, County Clerk, for installing boiler plant, steam distributing system and heating system in County Hospital at Martinez. Certified check 10% payable to clerk required with each bid. Specifications on file in office of clerk or may be obtained from the engineers, Hunter & Hudson, 703 Rialto Bldg., San Francisco, on deposit of $20, returnable.

SPOKANE, Wash. — Porter Bros., Spokane, at $167,778, awarded contract to erect Sacred Heart Training School and Home for Nurses. Contract does not include plumbing and heating.

which has been let to P. J. Dowling of Spokane, Wn. Construction will be of reinforced concrete.

HOTELS

Preliminary Plans Prepared.
HOTEL Cost, $175,000
WILLOWS, Glenn Co., Calif.
Three-story fireproof hotel (100 rooms)
Owner—Corporation yet to be formed.
Architect—Otto Deichmann, Barceloux Bldg., Willows.

This project, backed by the Willows Chamber of Commerce, is in a preliminary state. Several plans are being considered and no action is expected for the next few months at least.

Plans Completed.
ADDITION Cost, $5,000
JACKSON, Amador Co., Calif.
Addition of two rooms to County Court House.
Owner—County of Amador, John R. Huberty, Clerk, Jackson.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

Plans have been referred to the Building Committee of the Board of Supervisors for approval.

Contract Awarded.
HOTEL Cost, $47,366
VALLEJO, Solano Co., Co. Virginia St., adjoining Vallejo Theatre.
Three-story Class C hotel and store building.
Owner—Isadore Meyer, Vallejo.
Architect—Bernard J. Joseph, Call Bldg San Francisco.
Contractor — Clinton Constr. Co., 140 Townsend St., San Francisco.

BAKERSFIELD, Kern Co., Cal.—Chas. B. Hamilton, owner of the Tegeler Hotel in Bakersfield, heads a corporation planning the erection of a first-class hotel in Bakersfield, according to Clayton V. Smith, manager of the Hamilton interests in the San Joaquin Valley. It is planned to erect a structure costing about $1,000,000.

LEWISTON, Idaho. — Hurley-Mason Co., Gasco Bldg., Portland, Ore., awarded contract to erect $400,000 hotel building in this city from plans of Architect K. K. Cutler of Spokane, Wn. Structure will be financed by organization known as Hotel Service Company.

POWER PLANTS

TURLOCK, Stanislaus Co., Cal.—Directors of Modesto and Turlock Irrigation District approve plans and specifications for proposed power house to be erected at Don Pedro dam and a call for bids will be issued in the immediate future. R. V. Meikle, engineer for Turlock District; Percy Jones for Modesto District. A. J. Wiley, consulting engineer for both districts.

PUBLIC BUILDINGS

Figures Being Taken from a Selected List of Contractors.
STADIUM Cost, $800,000
LOS ANGELES, Cal. Exposition Park.
Concrete and frame stadium.
Owner—Community Development Assn.
Architects—John & Donald B. Parkinson, 420 Title Insurance Bldg., Los Angeles.

HANFORD, Kings Co., Cal.—Lee Bloyd, Hanford, at $1,875.30 has been awarded a contract by the Supervisors to construct two cattle sheds and one hog shed at the county fair grounds; at $998 Bloyd was also awarded the contract for remodeling the poultry structures.

STOCKTON, San Joaquin Co., Cal.—D. E. Burgess, 601 S-California street, Stockton, at $438 has been awarded a contract by the Supervisors for painting the exterior of the grandstand at Agricultural Park; also for painting the woodwork around the race track on a bid of $168.

MODESTO, Stanislaus Co., Cal.—The City Council, L. A. Love, Clerk, have adopted ordinance authorizing the expenditure of $600 for placing a new roof on the city building at 717 Tenth street, same to be 3-ply asbestos, approximately 50-squares, to be laid over present metal roof. Bids will be asked shortly.

ORLAND, Glenn Co., Cal.—Fred Neilson, Orland, at $4,790 has been awarded a contract by the trustees for alterations to the municipal pump house. H. C. Hauck, Orland, bid $5,400.

MARTINEZ, Contra Costa Co., Cal.—Following bids received by the Supervisors for furnishing and installing roller book shelves for the county recorder's office: (Prop. 1) 1 double faced roller book shelf case with linoleum top 147 inches wide, 41 inches high, and 48 inches deep, containing 112 roller book shelves, 20x14, 56 on each side. (Prop. 2), 1 double faced roller shelf book case with removable linoleum top, 126 inches wide, 41 inches high, 48 inches deep, containing 96 roller book shelves, 20x14, 48 on each side. A. Carlisle & Co., (1) $751; (2) $665; M. G. West Co. (1) $550; (2) $495; Rucker Fuller Sales Co. (1) $490; (2) $406; H. S. Crocker & Co. (1) $684.19; (2) $507.02. Awarded to Rucker Fuller Company.

HANFORD, Kings Co., Cal.—Supervisors order plans prepared for repairs and additions to the county jail building.

MADERA, Madera Co., Cal.—Until October 3, 2 P. M., bids will be received by L. W. Cooper, County Clerk, for furnishing carpet and linoleum to refit seven rooms in the County Court House; also for 13 rooms in the Madera County Hospital; approximately 500 yards in all. Specifications and forms for bidding will be furnished on application.

RED BLUFF, Tehama Co., Cal.—Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento, has been instructed by the Tehama County Supervisors to complete specifications and call bids for light fixtures, linoleum, cork tile floors, furniture, shades, marble work, painting and tinting in the new county courthouse.

WATSONVILLE, Santa Cruz Co., Cal. J. W. Vail, Watsonville, awarded contract by Trustees to furnish materials and paint (with brush) the municipal auditorium. Accepted bid is $8,888.49.

MODESTO, Stanislaus Co., Cal.—Modesto Chamber of Commerce and California Automobile Assn. will erect modern office building at Ninth and Eye streets to house the offices of those organizations. The building will cost about $8,000. Plans have been submitted to several architects and a selection will be made shortly.

OAKLAND, Cal.—Until Sept. 29, 5 P. M., bids will be received by Jay B. Nash, Secretary, Playground Commission, 404 City Hall, for furnishing fencing and repairs to fencing. Certified check for 10% payable to City Clerk required with each bid. Blanks for bidding may be had from the Secretary.

MARTINEZ, Contra Costa Co., Cal.—Until October 3, 11 A. M., bids will be received by J. H. Wells, County Clerk, for installing electrical burglar alarm system in County Treasurer's office. Certified check for 10% payable to clerk required with each bid. Forms for bidding will be furnished on application.

NAPA, Napa Co., Cal. — E. W. Doughty, Napa, at $1,422 awarded a contract by the Supervisors for remodeling the Hall of Records building. Other bidders were: Thos. B. Simpkins, $1,490; Coffield & Arnitz, $1,540.

RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, $8,000
SAN JOSE, Santa Clara Co., Cal.
One-story frame residence.
Owner—Jos. Boschken.
Architect—Binder & Curtis, 255½ S. 1st St., San Jose.

Plans will be ready for figures in about a week.

Plans Being Prepared.
ALTERATIONS Cost, $18,000
SAN JOSE, Santa Clara Co., Cal. On The Alameda.
Extensive alterations and additions to 2-story frame residence.
Owner—Name withheld.
Architect—Binder & Curtis, 255½ S. 1st St., San Jose.

Plans will be ready for figures in about one week.

Contract Awarded.
DWELLING Cost, $11,200
PIEDMONT, Alameda Co., Cal. W. Muir Ave. 140 N. La Salle Ave.
Two-story frame dwelling.
Owner—Victor A. and Lucille A. Boell.
Architect—Not given.
Contractor—Geo. W. Nunes, 5430 Dover St., Oakland.

Plans Being Prepared.
BUNGALOW Cost, $5000
SAN JOSE, Santa Clara Co., Cal.
One-story frame bungalow.
Owner—L. E. Jackson.
Architect—Binder & Curtis, 255½ S. 1st St., San Jose.

Plans Being Prepared.
RESIDENCE Cost, $10,000
SAN JOSE, Santa Clara Co., Cal.
One-story frame residence, 7 rooms (tile roof).
Owner—Henry Ayer.
Architect—Binder & Curtis, 255½ S. 1st St., San Jose.

Figures will be taken in about two weeks.

Bids in and Under Advisement.
RESIDENCE Cost, $25,000
SANTA ROSA, Sonoma Co., Cal. St. Rose Parish on B St.
Two-story and basement frame and plaster parochial residence (16 rooms).
Owner—Roman Catholic Archbishop of San Francisco. (Rev. J. V. Long, Pastor.)
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

NOTE:—Figures were taken for a general contract.

Contract Awarded.
RESIDENCE Cost, $6845
SAN FRANCISCO. NE 29th Ave and Anza St.
One-story basement and frame residence.
Owner—Mildred T. Taubles.
Architect—W. H. Crim, 425 Kearny St., San Francisco.

Contractor—H. J. Hansen, 180 Jessie St., San Francisco.

Plans Being Prepared—To Be Done by Day Work.
SUMMER HOME Cost, $15,000
PACIFIC GROVE, Monterey Co., Calif. Pacific Grove Acres.
One and one-half story frame summer home (8 rooms, 3 baths).
Owner—Mrs. D. H. Batchford, Healdsburg, Calif.
Architect—Tuttle & Maxwell, 565 Lighthouse Ave., Pacific Grove, Calif.

Figures Being Taken.
RESIDENCE Cost, $10,000
SAN FRANCISCO. Chestnut between Franklin and Van Ness Ave.
Two-story frame and plaster residence (9 rooms) and garage.
Owner—V. A. Valente.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
NOTE: Separate figures will be taken for plumbing, electrical, painting, plastering and general contract

Contract Awarded.
RESIDENCE, ETC. Cost, $16,500
PIEDMONT, Alameda Co., Calif. Lot 25 Map Piedmont Springs Tract.
Two-story frame residence, garage and outhouse.
Owner—Elsie Alma and L. R. Pollard, 4361 Edgewood, Oakland, Calif.
Architect—Francis H. Slocombe, 1st Natl. Bank Bldg., Oakland, Calif.
Contractor—Fred C. Stolte, 3440 Laguna St., Oakland.

Bids in—Contracts to be Awarded in a Few Days.
RESIDENCE Cost, $5,000
SAN FRANCISCO. E Sixteenth Avenue 150 S Balboa Street.
Two-story and basement frame residence.
Owner—Albert Hoeflich, 57 Geary St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Contract Awarded.
RESIDENCES Cost, $15,000 each
SAN FRANCISCO. W Spruce Street 54 and 81 S Jackson Street.
Two two-story and basement frame residences.
Owner—Mrs. Sophie Grannis, 2450 Steiner St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Contractor—Fred R. Grannis, 2450 Steiner St., San Francisco.

SCHOOLS

Plans Being Prepared.
SHOP AND GYM. Cost, $25,000
FOWLER, Fresno Co., Calif.
Shop and gymnasium building.
Owner—Fowler High School District.
Architect—Anton Johnson, Kingsburg Bank Bldg., Kingsburg, Calif.

Contract Awarded.
GYM. AND AUD. Cost, $11,460
BOONVILLE, Mendocino Co., Cal. Near Boonville.
One-story frame gymnasium and auditorium.
Owner—Anderson Valley Union High School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor—Myrl R. Crane, 74 Miramar Ave., San Francisco.

New Date for Opening Bids—Plans Being Figured—Bids Close Sept. 23, 1921, 8 p. m.
SCHOOL Cost, $45,000
WILLITS, Mendocino Co., Cal.
One-story reinforced concrete school (10 rooms).
Owner—Willits Grammar School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Plans may be obtained from Mr. Coulter's office.

Contract Awarded.
SCHOOL ANNEX Cost, $19,740
FORTUNA, Humboldt Co., Cal.
Six-room annex for high school, 65x110.
Owner—Fortuna High School District.
Architect—F. T. Georgeson, 4th and E Sts., Eureka, Cal.
Contractor—N. E. Baldry.

Contracts Recorded.
SCHOOL C ost, $19,473
GILROY, Santa Clara Co., Cal., Near Gilroy.
One-story frame school.
Owner—San Ysidor School District.
Architects—Wyckoff & White, Salinas.
Contractor—Wm. Radke, Gilroy, Cal.
Heating system awarded to Anderson & Dougherty, Salinas, at $1650.

Plans Ready for Figures Next Week.
SCHOOL Cost, $38,000
SUTTER COUNTY. Center - Gaither School District.
One-story hollow tile school (3 rooms and an auditorium).
Owner — Center - Gaither Grammar School District.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Plans will be ready about Sept. 22nd and segregated figures will be taken to be opened Oct. 7th or 8th.

Contract Recorded.
SCHOOL Cost, $23,136.10
FRESNO CO. Frankwood School Dist.
One-story school (2 classrooms and an auditorium).
Owner—Frankwood School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—Louis Cereghino & Son, 180 Jessie St., San Francisco.

Commissioned to Prepare Plans.
SCHOOL BLDGS. Cost, $——
LONG BEACH, Los Angeles Co., Calif.
Twelve-room unit main building at Carrol Park school and a junior high school building.
Owner—Long Beach School District.
Architect—Allison & Allison, Hibernian Bldg., Los Angeles, and Alfred Anderson, Palace Theatre Bldg., Long Beach, associated.

Plans Being Prepared.
SCHOOL ADDITION Cost, $75,000
LONG BEACH, Cal. Horace Mann School.
Eight-room unit addition to school.
Owner—Long Beach Board of Education.
Architect — Parker O. Wright and Francis H. Gentry, associated, 316 Marine Bank Bldg., Long Beach.

LOS ANGELES, Cal.—McFadden & Winkleman, 1102 W. Pico St., Los Angeles, submitted the lowest bid at $15,400 on the general contract for erecting a 3-rm. brick addition to the school bldg. at Harbor City. Plans by architectural department of the Board of Education. The low bidders on the other contracts were: Gowdy-Bailhache Co. on the heating at $536, and Swan & Bastien on the painting at $2190. The full list of bids received by the Board of Education was as follows:

General Contract—McFadden & Winkleman, $15,400; C. R. Simms, $15,906; W. H. Veldon, $15,928; Walter Slater Co., $15,944; Marvin & Marvin, $16,442; John E. Dawson, $17,880; and L. A. Geissler & Son, $18,817.

Heating — Gowdy - Bailhache Co., $536; Pac. Gas Radiator Co., $1548; and Potter-Strutz Radiator Corp., $1587.

Painting—Swan & Bastien, $2190; Quandt & Son, $2479; Arenz-Warren Co., $2764; and D. Zelinsky & Sons, $2850.

SAN FRANCISCO.—Following bids received by Board of Public Works for constructing three-story (interlocking bearing walls of reinforced concrete and brick exterior) Spring Valley school in north side of Washington St., between Hyde and Larkin Sts.:

General Construction

Architect's estimate	$75,000
O. Monson (low)	40,340
Farrell & Reed	55,222
Larsen-Siegrist Co.	50,677
Lange & Bergstrom	53,300
Anderson & Ringrose	48,000
A. H. Vogt	42,233
G. P. W. Jensen	42,680
C. L. Wold	47,900

Plumbing

Architect's estimate	$4,000
Fred W. Snook Co. (low)	3,283
Thos. Skelly	3,400
Wm. F. Wilson Co.	4,100
J. E. O'Mera	3,575
A. Lettich	3,855
Turner Co.	3,325
A. Holle	3,995

Brick and Terra Cotta Work

Architect's estimate	$18,000
E. Hogberg (low)	20,900
Farrell & Reed	23,000
W. B. McGowan	23,897
Anderson & Ringrose	24,682
White & Gloor	23,950
W. J. Mealey	21,600

Heating

Architect's estimate	$2,000
Scott Co. (low)	1,290
P. J. Enright	1,313
Fred W. Snook Co.	1,566
James A. Nelson	1,409
Wm. F. Wilson Co.	1,425
J. E. O'Mara	1,390
A. Lettich	1,866
The Turner Co.	1,440

Electric Work

Architect's estimate	$1,800
The Turner Co. (low)	1,360
Butte Elec. Equip. Co.	1,491
M. E. Ryan	1,650
Collonan Electric Co.	1,476

Heating and Ventilating—Emerson School

Architect's estimate	$10,000
Jas. A. Nelson (low)	7,608
Henry Ernst & Sons	8,991
P. J. Enright	7,707
J. J. Deasy	7,755
J. E. O'Mara	7,650
A. Lettich	8,874
The Turner Co.	7,880
Scott Co.	7,180

LOS ANGELES, Cal.—Darrell Condley Co., 520 Marsh-Strong Bldg., Los Angeles, submitted the lowest bid at $62,500 on the general contract for erecting a new building at Buchanan school site. Montgomery & Nibecker, 622 Story Bldg., Los Angeles, architects. Arthur Hess, Baker-Detwiler Bldg., Los Angeles, was low on the plumbing at $4585; Thos. Haverty Co. on the heating at $4659; A. Quandt & Son on the painting at $1978; and Renard & Stary on the electrical work at $1350. Eight class rooms; reinf. concr. retaining walls, brick construction above; plas. exter., comp. and tile rf., maple fls., sliding partitions, marble work. The bids received were as follows:

General Contract—Darrell Condley Co., $62,500; Walter Slater Co., $63,437; Escherich Bros., $64,429; and John B. Dawson, $66,750.

Plumbing—Arthur Hess, $4585; Thos. Haverty Co., $4596; and E. W. Crowell, $4615.

Heating—Thos. Haverty Co., $4659; J. Hokom, $4700; and Arthur Hess, $4890.

Painting—A. Quandt & Son, $1978; Arenz-Warren Co., $2200; D. Zelinsky & Sons, $2200; and E. A. Lindgren, $2350.

Electrical Work—Renard & Stary, $1350; Amer. Electric Cons. Co., $1400; E. R. Hensel, $1549; and Golden State Electric Co., $1907.

ALHAMBRA, Los Angeles Co., Cal.—Robt. E. Millsap, 123 Marsh-Strong Bldg., Los Angeles, was awarded the contract at $29,600 for the excav., carpenter and concr. work for an 8-rm. grade school bldg. at Alhambra; Allison & Allison, 1405 Hibernian Bldg., Los Angeles, architects. Other contracts were awarded as follows: J. F. Kobler, 918 W. 8th St., Los Angeles, at $18,715 for masonry and cast stone work; California Cornice Works, at $540 for sheet metal work; R. G. Blessing, Alhambra, at $2940 for the roofing; Johns-Manville Co., at $297 for comp. roofing; Jas. P. Walsh, 236 E. 16th St., Long Beach, at $4360 for plas.; T. N. Fierce, 1622 S. Hill St., Los Angeles, at $2185.75 for blackbds.; E. A. Lindgren, 458 Isabel St., Los Angeles, at $3234 for painting; Golden State Elec. Co., 748 W. 7th St., Los Angeles, at $1007 for electric wiring; Moorhead Plumbing Co., 16 E. Main St., Alhambra, at $4148 for plumbing; Bennett-Montgomery Hdw. Co., at $1573 for hardware; and Thos. Haverty Co., 8th and Maple Ave., Los Angeles, at $2696 for heating.

LOS ANGELES, Cal.—Darrell Condley Co., 520 Marsh-Strong Bldg., Los Angeles, submitted the lowest bid at $94,919 on the general contract for erecting a new school bldg. at Wilton Place school site. Plans by the architectural department of the Board of Education. The low bidders on the other contracts were: W. W. Brooks on the plumbing at $7400; J. Hokom on steam heating at $11,457; Pac. Gas Radiator Co. on gas heating at $8158; A. Quandt & Son on the painting at $3920; and Renard & Stary on the electrical work at $3175.

The main building will be 2-story and basement, 157x83 ft., 10 class rooms, domestic science and manual training departments; kindergarten building, 61x38 ft.; brick construction, ruffled brick exter., art stone and terra cotta, tile and comp. rf., marble work, sheet metal, folding partitions. The bids received were as follows:

General Contract — Darrell Condley Co., $94,919; (a) deduct if exter. is plas., $2500; Alex. Grant, $97,793; Walter Slater Co., $103,000; (a) $2000; J. A. Hill Const. Co., $103,500; (a) $3,000; K. R. Bradley, $104,000; (a) $4500; J. C. Bannister, $105,940; (a) $11,340; and L. A. Planing Mill Co., $109,200; (a) $4627.

Plumbing—W. W. Brooks $7400; E. W. Crowell, $7472; Arthur Hess, $7695; and Thos. Haverty Co., $7915.

Heating System—J. Hokom, $11,457; (a) if fan is omitted, $9668; Thos. Haverty Co., $11,600; (a) $9912; Arthur Hess, $11,690; (a) $10,190; Hoagland-Lakin Elec. and Eng. Co., $12,766; (a) deduct $2086; and W. W. Brooks, $13,400.

Heating (gas)—Pac. Gas Radiator Co., $8158; (a) $6188; Potter-Strutz Radiator Corp., $8240; (a) $6100.

Painting—A. Quandt & Son, $3920; E. A. Lindgren, $4055; D. Zelinsky & Sons, $4250; and Arenz-Warren Co., $4400.

Electrical Work—Renard & Stary, $3175; Amer. Elec. Cons. Co., $3600; Golden State Electric Co., $3907; and Chas. F. Stetson, $4145.

CROCKETT, Contra Costa Co., Cal.—J. E. Collins, Richmond, at $1,750 has been awarded a contract to remodel the heating and ventilating system in John Swett School. Other bidders were:

Scott & Co., Oakland	$1980
R. M. Washburn, Richmond	2394
T. J. Kenedy, Martinez	1895
T. P. Bradey, Martinez	2327

SAN DIEGO, Cal.—Miller & Eddleman, San Diego, submitted the lowest bid at $261,814 on the general contract for erecting new high school bldgs. at San Diego. The other low bidders were: W. C. Merritt Co., San Diego, on the plumbing at $18,000; Southern Electric Co., on the electrical work at $17,626; and W. C. Merritt Co. on the heating at $13,300. Theo. C. Kistner, San Diego, is the architect.

MADERA, Madera Co., Cal.—Until Sept. 22, bids will be received by M. H. Tyrrell, Clerk, Madera School District, for installing an electric clock system in the Lincoln Grammar School. Specifications may be had from the clerk.

LOS ANGELES, Cal.—Darrell Condley Co., 520 Marsh-Strong Bldg., Los Angeles, submitted the lowest bid at $72,283 on the general contract for erecting a brick and concr. school bldg. at Utah St. school site. Albert C. Martin, 430 Higgins Bldg., Los Angeles, architect. The other low bidders were: E. W. Crowell on the plumbing at $6175; Thos. Haverty Co. on steam heating at $4574; Pac. Gas Radiator Co. on gas heating at $2089; D. Zelinsky & Sons on the painting at $2625; and Renard & Stary on the electrical work at $2685. The building will contain nine class rooms and an auditorium. The bids received by the Board of Education were as follows:

General Contract — Darrell Condley Co., $72283; Bavin & Burch Co., $74,200; Edward C. English, $77,000; J. F. Kobler, $77,638; Alex. Grant, $77,973; and Walter Slater Co., $82,500.

Plumbing—E. W. Crowell, $6175; J. Hokom, $6176; Thos. Haverty Co., $6227, and Arthur Hess, $6255.

Heating (steam)—Thos. Haverty Co., $4574; J. Hokom, $4584; and Arthur Hess, $4760.

Heating (gas)—Pac. Gas Radiator Co., $2089; and Potter-Strutz Radiator Corp., $2094.

Painting—D. Zelinsky & Sons, $2625; Arenz-Warren Co., $2900; A. Quandt & Son, $3289; and E. A. Lindgren, $3600.

Electrical Work—Renard & Stary, $2685; American Elec. Cons. Co., $3100; Golden State Electric Co., $3207; and Chas. F. Stetson, $3975.

CHICO, Butte Co., Cal.—Until Oct. 3, bids will be received by the Chico High School District for grading the grounds about the new high school. Specifications may be had from the secretary of the School Board at Chico.

MADERA, Madera Co., Cal.—Until Sept. 26, 10 A. M., bids will be received by the Tharsa School District, Frank J. Hauert and F. Vlasschaert, Trustees, for construction of a school building. Certified check for 10% required with each bid. Plans on file in the office of the County Superintendent of Schools.

SAN FRANCISCO.—Until Sept. 28, 3 p. m., bids will be received by Board of Public Works for construction of Crocker Amazon School in west side of Cordova Ave. between Prague St. and Winding Way, plans by John Reid, Jr., City Architect. Building will be two-story frame and plaster, containing nine classrooms. Segregated bids will be taken as follows: General construction, estimated cost, $72,000; bond required of successful bidder, $18,000; electric work, $5000, bond required $1250; plumbing $7000, bond required $1850; heating and ventilating $5000, bond $1250. Work to be started five days after award of contract and completed in 365 days. Plans may be had from Bureau of Architecture, 2nd floor, City Hall.

REWARD, Kern Co., Cal.—Until Oct. 3, 7 p. m., bids will be received by J. M. Gwin, clerk, Olig School District, Redward, for constructing additions to Olig school. Certified check 10% payable to clerk required with each bid. Plans may be had from clerk.

THORNTON, San Joaquin Co., Cal.—The Board of Trustees of the New Hope Grammar School District received the following bids on September 12th for the construction of a one-story two-room brick school building. Plans were prepared by Architects Wright & Satterlee, Bank of Italy Bldg., Stockton. The bids are a little above the amount available and slight changes will be made in the plans. The lowest bidders will be asked to refigure:

J. A. Pelecarto, Stockton	$14,890
L. Peletz, Stockton	15,475
J. A. Sleeph, Stockton	15,421
C. C. Wright, Lodi	15,800
R. C. Polsen, Lodi	16,900
Hertzig & Orcut, Stockton	17,900
Jos. Rundberg, Lodi	18,565

LOMPOC, Santa Barbara Co., Cal.—Appleton & Davis, Atascadero, were awarded the general contract at $56,924 for erecting a new grammar school bldg. at Lompoc, Santa Barbara Co. Nielson & Smith, Santa Barbara, were awarded the electrical work at $1475; Cobby & Owsley, San Francisco, plumbing at $4500 and painting at $2400; and heating to Carver & Aschmann, Atascadero, at $3181. R. C. Farrell, 444 I. W. Hellman Bldg., Los Angeles, architect. The building will contain 9 class rooms; hollow tile walls, plas. exter., clay tile rf. The general contract was let on the original bid of $57,500 with a deduction of $576 for changing inter. walls to 8-in.

BEAUMONT, Riverside Co., Cal.—Until 1 p. m., Sept. 30, bids will be received by the Trustees of Beaumont School District for erecting a new grammar school bldg. at Beaumont, Riverside County, in accordance with plans and specifications prepared by Witmer & Watson, architects and engineers, 504 Wright & Callender Bldg., Los Angeles. Bids will be taken separately on the general contract, plumbing and heating. Bids may be filed with the architects up to 6 p. m., Sept. 29, or at the office of the County Superintendent of Schools of Riverside, up to 1 p. m., Sept. 30. Bids will be opened at office of the Superintendent of Schools at Riverside. Certified check or bond for 5% required. The building will contain eight class rooms. Brick construction, art stone trim, tile roof, pine finish, maple floors, blackboards. Bonds in the sum of $49,000 were voted and sold.

VISALIA, Tulare Co., Cal.—Noble and Toothacre, Visalia, at $2,100 awarded contract by Elbow School District to construct tank house and tank, septic tank, and for installation of an engine and pump. Other bidders: W. B. March Lumber Co., Klink, $2,150; Stewart & Anderson, Visalia, $2,210; Noble Construction Co., Visalia, $2,275.

SANTA MARIA, Santa Barbara Co., Cal.—Archts. Allison & Allison, 1405 Hibernian Bldg., Los Angeles, have completed plans for new high school bldgs. for Santa Maria, one and two-story coml., art., dom. science, man. train. depts., study halls, laboratories, 23 classrooms, administration offices, auditorium to seat 1000, gymnasium; masonry walls, cem. plas. exter., clay tile rf., pine and hardwood inter., fireproof corridors, telephone system, blackboards. Bonds of $400,000 sold. Segregated bids will be called for in about ten days.

SILVERTON, Ore.—Low bids received for proposed school building: General Construction, Anderson & Range, Sil-

verton, $44,633; heating, Vundt & Kaiser, Corvallis, Ore., $5,978; plumbing, Rushlight & Hastorf, Portland, $3,814; electric work, P. E. Preston, Silverton, Ore., $1,114.

LOS ANGELES, Cal. — Escherich Bros., 300 Wilcox Bldg., Los Angeles, submitted lowest bid on general work at $17,985 for erection of an addition to the West Vernon school; W. C Pennell, 204 C. C. Chapman Bldg., Los Angeles, is the architect; the Renard-Stary Elec. Co. was lowest bidder at $245 on elec. wiring; J. Hokom lowest at $927 on plumbing; Arenz-Warren Co. lowest at $1750 on painting. All bids referred to business manager of board. Full list of bids received follows:

General Contract—Escherich Bros., $17,985; Jno. B. Dawson, $18,290; J. F. Kobler, $18,376; Walter Slater Co., $19,200; McFadden & Winkelman Co., $20,000.

Electric Wiring—Renard-Stary Elec Co., $245; American Elec. Con. Co., $280; F. B. Potter Elec. Co., $290.

Plumbing—J. Hokom, $927; Thomas Haverty Co, $1064; Arthur Hess, $1080.

Painting—Arenz-Warren Co., $1750; Alhambra W. P. & P. Co., $1798; A. Quadt & Son, $1884; D. Zelinsky & Sons, $1900; Jno. B. Dawson, $2100.

LOS ANGELES, Cal.—John B. Dawson, Fay Bldg., Los Angeles, submitted the lowest bid on general work at $51,760 for erection of an 8-room brick school bldg. at Bridge St. and Boyle Ave.; Hudson & Munsell, 443 Douglas Bldg., Los Angeles, architects; G. C. Sutton was lowest bidder at $4805 on plumbing; Renard-Stary Elec. Co. lowest at $1925 on elec. wiring; Potter-Strutz Rad. Corp. lowest at $1287 on heating, and D. Zelinsky & Sons lowest at $2830 on painting. All bids referred to business manager of Board of Education. Full list of bids received follows:

General Contract—Jno. B. Dawson, $51,760; Alex Grant, $53,993; Walter Slater Co., $54,000; Bavin & Burch Co., $54,965; J. F. Kobler, $54,986; J. A. Hill Con. Co., $54,500; Jno. Simpson Co., $54,450.

Plumbing—G. C. Sutton, $4805; Arthur Hess, $4870; E. W. Crowell Co., $4913; Thos. Haverty Co., $5293.

Electric Wiring—Renard-Stary Elec. Co., $1925; F. B. Potter Elec. Co., $2169; Standard Elec. Co., $2200; America Elec. Con. Co., $2216

Heating—Potter-Strutz Rad. Corp., $1287; Pacific Gas. Rad. Co., $1289; Thos. Haverty Co., $3199.

Painting—D. Zelinsky & Sons, $2830; Jno. B. Dawson, $3300; Alhambra W. P. & P. Co., $2898; A. Quandt & Son, $3289.

LOS ANGELES, Cal.—Alex Grant, 1202 W. 36th Pl., Los Angeles, submitted the lowest bid on general contract at $20,697 for erection of aud. and 2 classrooms at Budlong school, 5940 Budlong Ave.; Alfred Rea and Chas. E. Garstang, 903 Trust & Sav. Bldg., Los Angeles, are the architects. Renard-Stary Elec. Co. submitted the lowest bid at $580 on electric wiring; Arenz-Warren Co. and D. Zelinsky & Sons were tied at $1200 on painting; J. Hokom lowest at $1782 on heating. All bids referred to business manager of Board of Education. Full list of bids received follows:

General Contract—Alex Grant, $20,697; Escherich Bros., $21,738; John Simpson & Co., $22,450; R. H. Whinery, $22,526; Walter Slater Co., $23,000.

Electric Wiring—Renard-Stary Elec. Co., $580; American Elec. Con. Co., $650; F. B. Potter Elec. Co., $720.

Painting—Arenz-Warren Co., $1200; D. Zelinsky & Sons, $1200; Alhambra W. P. & P. Co., $1233; A. Quandt & Son, $1547.

Heating — J. Hokom, $1782; Thos. Haverty Co., $1996; Hoagland-Lakin Elec. & Eng. Co., $2050; Arthur Hess, $2100.

WATSONVILLE, Santa Cruz Co., Cal. —Until Sept. 29, 3 p. m., bids will be received by C. E. Hoyt, Clerk, Carrolton School District, R. F. D. No. 4, Watsonville, for constructing additions to Carrolton school. Certified check 10% payable to Board of Trustees of district required with each bid.

CHICO, Butte Co., Cal.—Until Oct. 3, 5 P. M., bids will be received by Chas. H. Camper, Clerk, Chico High School District, for (1) equipping high school well with a pump, motor housing, and connections, for the installation of a water system; (2) for rough grading of high school grounds; (3) for laying out and constructing drives and walks on the grounds. Plans by Architects Wollett & Lamb, Hegelstein Bldg., Sacramento. Certified check for 5% required with each bid. Plans may be had from architects or secretary.

WOODBRIDGE, San Joaquin Co., Cal. —The Board of Trustees of the Woods School District received the following bids and awarded contracts on September 14th for the construction of a one-story hollow tile school building. Plans were prepared by Architects George C. Sellon & Co., Mitau Bldg., Sacramento.

The masonry and carpentry was awarded to Joseph Chirhart, 521 S-San Joaquin St., Stockton; painting to D. E. Burgess, 601 S-California St., Stockton; roofing to Simpson-Gray Lumber Co., 124 W-Weber St., Stockton; plastering to Thos. Scollan, 2919 T St., Sacramento, and the mechanical equipment (including sheet metal, plumbing, heating and electrical work) to Latourrette-Fical Co., 3431 Sacramento Blvd., Sacramento.

Masonry and Carpentry

Joseph Chirhart, Stockton.....$31,307
Jas. L. McLaughlin, S. F..... 31,985
Collman & Spiedel, S. F..... 33,852

Painting

D. E. Burgess, Stockton.....$1,584
Zeb. Knott, Richmond..... 1,980
R. Zelinsky, S. F..... 2,642

Roofing

Simpson-Gray Lumber Co.....$6,305

Plastering

Thos. Scollan & Co.....$5,525

Heating

D. E. Enright, S. F.....$2,905

Mechanical Equipment

Latourrette-Fical Co.....$8,800

STORES AND OFFICES

Plans Being Prepared.

STORE BLDG., ETC. Cost, $120,000
LOS ANGELES, Western Ave. and Marathon Street.
Two-story brick store and cafe building, 110x130.
Owner—Maurie Rauch and J. Harvey McCarthy.
Architect—De Luxe Building Co., 521 Union League Bldg., Los Angeles.

(Continued on page 16)

SUBSCRIPTION BLANK

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.....192.....

TO BUILDING AND ENGINEERING NEWS,
560 Mission St., San Francisco, Cal.

Send me Building and Engineering News for one year, commencing with next issue, for which I enclose check for $4.00

Name .....

Street and No. .....

City .....

State .....

Official Proposals

BIDS WANTED FOR STEEL WORK

BUREAU OF YARDS AND DOCKS, Navy Department, Washington—Bids are wanted until September 21, specification 4464, for steel work machine shop at Pearl Harbor, H. T. Deposit for plans $10. For information address chief of bureau.

METAL SHELVING BIDS WANTED

OFFICE OF THE SUPERVISING Architect, Treasury Department, Washington.—Bids are wanted until September 26 for installing metal vault shelving in the U. S. public building, Honolulu, H. T.

BIDS WANTED FOR STOREHOUSE

NOTICE TO CONTRACTORS

The Bureau of Yards and Docks, Navy Department, Washington, D. C., will open in the near future, bids on Specification 4504 for a one-story storehouse, at the Naval Operating Base (Naval Station), Pearl Harbor, T. H. The work includes the construction of a one-story building approximately 120 feet by 500 feet, divided into three aisles, and having steel frame; plain concrete footings and floor; reinforced concrete loading platforms, spandrel girders, and fire wall; corrugated protected sheet metal for siding and roof of marquise; precast gypsum tile roof with 3-ply, built-up, asbestos roofing; steel sash and rolling doors; hollow tile partitions; and plumbing, sewage disposal, electric lighting, and fire protection systems.

Plans and specifications may be had when available upon application to the Commandant, Navy Yard, Mare Island, California, upon deposit of a check or postal money order for $10.00, payable to the Chief of the Bureau of Yards and Docks as security for the safe return of the drawings and specifications.

BIDS WANTED FOR CABLE LINE IMPROVEMENT

NOTICE TO CONTRACTORS

Office Chief Third District, Construction Service, Q. M. Corps, Fort Mason, Calif., September 3, 1921.—Sealed proposals in triplicate, for changing High Tension Aerial Line to Cable through Tunnel at Fort Baker, Calif., will be received by Constructing Quartermaster, Fort Mason, Calif., until 11 A. M., September 21, 1921. Plans, etc., on application.

BIDS WANTED FOR SEWAGE EJECTOR, ETC.

Notice to Contractors

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept. 1, 1921.—SEALED PROPOSALS will be opened in this office at 3 p. m., Sept. 29, 1921, for the installation of a Sewage Ejector, etc., at the United States Post Office, Stockton, Calif., in accordance with the drawing and specification, copies of which may be had at this office or at the office of the Custodian at Stockton, Calif., in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR APPROACH TO WHARF

NOTICE TO CONTRACTORS

OFFICE CHIEF THIRD DISTRICT, Construction Service, Q. M. Corps, Fort Mason, Calif., September 2, 1921—Sealed proposals in triplicate, for constructing Approach to Wharf at Fort Baker, Calif., will be received by Constructing Quartermaster, Fort Mason, Calif., until 11 A. M., September 22, 1921. Plans, etc., on application

BIDS WANTED FOR METAL BOOK STACKS

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 23, 1921.—SEALED PROPOSALS will be received at this office until 3 p. m., October 13, 1921, and then opened, for metal book stacks installed in place in the United States Post Office, Custom House and Court House at Honolulu, T. H. Drawings and specifications may be obtained from the Superintendent of Construction of the building at Honolulu, Hawaii, from J. W. Roberts, Supervising Superintendent of Construction, Room 403 Post Office and Court House, San Francisca, California, or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 3rd, 1921,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Stanislaus County, between Tuolumne River Bridge and 1.2 miles North of Ceres (III-Sta-4-B), about 1.9 miles in length, to be surfaced with Asphalt concrete.

San Luis Obispo County, between 6 miles North of San Simeon and Northerly Boundary (V-Slo-56-A), about 10.0 miles in length, to be graded.

Kern County, between South Line Section 19, T. 11 N. R 20 W. S.B.B. & M. and 13.0 miles South of Bakersfield (VI-Ker-4-B), about 10.0 miles in length, to be surfaced with Asphalt concrete.

San Bernardino County, between Summit and Victorville (VII-SBd-31-C), about 15.7 miles in length, to be paved, either with Portland cement concrete or Bituminized Macadam.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer
JOHN F. GALVIN,
Secretary.

Dated September 6, 1921.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on September 26th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Sonoma County, between Fairville and Easterly Boundary (IV-Son-8-A & B), about nine and three-tenths (9.3) miles in length, to be graded.

Imperial County, between Near East High Line Canal and New County Well (VII-Imp-27-A), about ten and seven-tenths (10.7) miles in length, to be paved with Asphalt concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated August 29, 1921.

BIDS WANTED FOR SHOP BUILDING

STATE OF CALIFONRIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office **of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 10th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made.

A maintenance shop building in the City of Sacramento, California.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works

acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN, Secretary.

Dated September 12, 1921.

NOTICE TO PAINTERS

(Hospital Buildings)

NOTICE IS HEREBY GIVEN that sealed proposals or bids will be received by the Board of Supervisors of Santa Clara County, California, in their rooms in the Court House, in the City of San Jose, **up to 11 o'clock A. M. of Monday, October 3, 1921,** for painting main building as Santa Clara County Hospital, also Superintendent's residence, Tuberculosis building, Old Ladies' and Old Men's cottages and Employes' cottage, Morgue and Gas House, Water Tower and Tanks of the Santa Clara County Hospital, in accordance with plans and specifications on file in the chambers of the Board of Supervisors for said work.

Each bid must be accompanied by a certified check in the sum of 5 per cent of amount bid, drawn upon some reliable bank in favor of Henry A. Pfister, County Clerk, as liquidated damages in case the successful bidder fails to file a satisfactory bond as required by said Board within five days for the faithful performance of the conditions of the contract.

The Board reserves the right to reject any and all bids.

All bids must be addressed to John Roll, Chairman of the Board of Supervisors of Santa Clara County, and indorsed "Bids for Painting Hospital Buildings."

By order of the Board of Supervisors of Santa Clara County.

Attest: HENRY A. PFISTER, Clerk.
By Eugene M. Don, Deputy Clerk.

NOTICE TO BIDDERS

(Isolation Hospital)

Pursuant to an order of the Board of County Commissioners of Washoe County, Nevada, made and entered upon the 6th day of September, 1921, sealed bids and proposals will be received by the undersigned at the office of the County Clerk of Washoe County, in the City of Reno, County of Washoe, State of Nevada, not later than **twelve o'clock noon, Saturday, the eighth day of October, 1921,** and opened in the office of the County Commissioners at 1:30 o'clock p. m. on the same date, for the following: For the erection, construction, and completion of an Isolation Hospital Building according to the plans and specifications made by George A. Ferris & Son, architects of Reno, Nevada; plans and specifications may be obtained from the above named architects, at their office in the Colonial Hotel, Reno, Nevada, on and after the above date.

By order of the Board of County Commissioners of Washoe County, Nevada.

E. H. BEEMER,
Clerk of the Board of County Commissioners.

NOTICE TO CONTRACTORS

(Four Ward Buildings)

Office of the Clerk of the Board of Supervisors, Alameda County, Calif.

SEALED BIDS will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until 10 o'clock A. M. on Monday, October 3rd, 1921** (the only day when said bids will be opened), for all labor and material and mechanical workmanship required for the erection and partial completion of Ward Buildings numbers Four, Six and Eight, and connecting corridors for Highland Hospital of Alameda County at 14th Avenue and Vallecito Place, Oakland, California; also certain partition work, etc., in Wards, One and Two and in Service Building.

Complete plans and specifications for said work are on file in the office of the County Clerk, open to inspection.

Copies may be obtained by depositing with the County Clerk the sum of One Hundred ($100.00) Dollars. Contractors will be restricted as to the length of time they may retain these plans and specifications to ten (10) days.

Contractors failing to return said plans and specifications within said time limit will forfeit their deposit to the County of Alameda. The entire amount of the deposit will be returned to contractors returning plans and specifications in good condition within said time limit.

Each bid must be accompanied by a check for at least ten (10) per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the Contract.

GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.
Dated, August 22nd, 1921.

NOTICE TO CONTRACTORS

(Two Portable Schools)

NOTICE IS HEREBY GIVEN that the President of the Board of Education of the City of Santa Rosa School District, Sonoma County, California, will receive bids for the construction of two (2) wooden portable one-room school buildings, **until 11 o'clock A. M., September 26, 1921,** at his office in the Dougherty-Shea Building in the City of Santa Rosa, and that these bids will be opened and read at the above mentioned time and date and place in the presence of all concerned. Plans and specifications for the work may be obtained from William Herbert, Architect, City Hall, Santa Rosa, California. A deposit of Five Dollars ($5.00) will be required to insure the return of the plans and specifications.

HILLIARD COMSTOCK,
President, Board of Education, City of Santa Rost School District.
SARAH N. HATCH,
Secretary, Board of Education, City of Santa Rosa School District.

BIDS FOR SCHOOL DESKS

NOTICE IS HEREBY GIVEN that the Board of Education of the Sacramento City School District will receive sealed bids for two hundred (200) or more movable school chair desks. Samples of desks must be furnished the Secretary of the Board of Education, at the school store room, I street, between 10th and 11th.

A certified check in the sum of ten per cent (10%) of the amount of the bid must accompany each bid, which will be forfeited to the Board of Education, should the bidder fail to comply with his bid, if required to do so.

All bids must be filed with the Secretary of the Board of Education, Room 300, City Hall, Sacramento, **not later than 5 o'clock P. M., Monday, September 19, 1921.**

The Board of Education reserves the right to reject any and all bids.

CHAS. C. HUGHES,
Secretary.

BIDS WANTED FOR SCHOOL ADDITION

NOTICE TO CONTRACTORS

(Addition of 4 Rooms & an Auditorium)

NOTICE IS HEREBY GIVEN that sealed proposals will be received at the office of the Board of School Trustees of the Fruit Ridge School District in the Fruit Ridge School, located at the intersection of Roosevelt and Sutter avenues in the Fruit Ridge School District, County of Sacramento, California, **not later than the hour of 7:30 P. M., of the 23rd day of September, 1921,** for the furnishing of all labor, materials and mechanical workmanship required to make certain alterations and additions to the present Fruit Ridge school building, situate on a site at the intersection of Roosevelt and Sutter avenues in the Fruit Ridge School District, County of Sacramento, State of California; also sealed proposals will be received by said Board of School Trustees at the time and place above mentioned for the electrical, heating and plumbing work embraced in the aforesaid alterations and additions. All of said work to be in accordance with the plans and specifications prepared therefor by R. A. Herold, architect, which plans and specifications may be seen and examined by intending bidders at the office of the architect, rooms 430-37 Forum Building, Sacramento, California.

All bids must be submitted on blank-forms furnished by the undersigned and must be accompanied by a certified check on some solvent bank in a sum equal to ten per cent (10%) of the amount of each bid, conditioned that if the contract is awarded the party submitting the accepted bid will enter into contract and furnish such bond as may be required within ten days after making of award, or, failing so to do, the amount of such check to be forfeited as liquidated damages for such failure. All checks to be made payable to the order of R. L. Ennis, Clerk of the Board of School Trustees of the Fruit Ridge School District.

The aforesaid board reserves the right to reject any or all bids.

By order of the Board of School Trustees of the Fruit Ridge School District, County of Sacramento, California.

R. L. ENNIS,
Clerk of the Board of School Trustees of the Fruit Ridge School District, Sacramento County, California.

BIDS WANTED FOR THREE-ROOM SCHOOL

NOTICE TO CONTRACTORS AND BUILDERS

SAN JOSE, Santa Clara Co., Cal.—Notice is hereby given that bids will be received by the Trustees of the Burnett School District up to **eight o'clock p. m., Saturday, September 24th, 1921,** for the erection of a three-room school building and alteration of present school building. Each bid must be accompanied by a certified check of ten per cent of the bid, said check to be made payable to P. A. Walsh, Clerk. The Trustees reserve the right to reject any or all bids.

By order of the Board of Trustees of Burnett School District.

P. A. WALSH, Clerk.
NELLIE KIRBY.
PETER RAGGIO.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

THE BOARD OF TRUSTEES OF THE RIVERVIEW UNION SCHOOL DISTRICT, Reedley, Calif., will receive sealed bids **on or before 2 o'clock P. M., October the 8th,** at Riverside Grammar School Building, near Reedley, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new Grammar School Building in accordance with plans and specifications prepared therefore by Anton Johnson, Architect, of Kingsburg, California. Bids will be received separately for the different segregated contracts, as follows:

Contract No. 1—For the Excavating, Concrete, Carpenter Work, Millwork, etc.

Contract No. 2—For Masonry and Hollow Tile Work.

Contract No. 3—For Tile Roofing.

Contract No. 4—For all Sheet Metal Work.

Contract No. 5—For Lathing and Plastering.

Contract No. 6—For Furnishing and Placing of Blackboards.

Contract No. 7—For the Painting.

Contract No. 8—For the Plumbing and Sewering.

Contract No. 9—For Electrical Work.

Contract No. 10—For the Heating and Ventilating.

Certified check for an amount not less than ten per cent (10%) of amount of bid should accompany each proposal, made payable to the order of Mr. J. R. McCahill, Clerk of the Riverview Grammar School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said Grammar School Board in accordance therewith, and shall furnish bonds as required by the specifications. Said check to be forfeited to the said Grammar School District should the bidder refuse to execute contract and furnish bond as above mentioned.

Plans and Specifications for all the above work may be seen in the office of Anton Johnson, Kingsburg, Calif.

A deposit of $10.00 will be required from all Contractors receiving plans. Said deposit will be refunded when plans and specifications are returned in good condition.

By order of the Board of Trustees, Riverview Grammar School District, Reedley, Calif., by Mr. J. R. McCahill, Clerk of the Board of Trustees, of the Riverview Union School District.

Dated September 14th, 1921.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed proposals will be received and opened by the Board of Trustees of the Napa School District, of Napa County, State of California, at their rooms in the Napa High School Building, in the City of Napa, County of Napa, and State of California, **at eight o'clock P. M., October 3, 1921,** for the erection and completion of a school building to be built in the City of Napa, State of California, according to plans and specifications prepared for the same by W. H. Weeks.

Bids will be received on the general construction with its alternate propositions, together with separate bids on the vacuum cleaning plant, heating and ventilating system, and program clock system.

Plans and specifications may be seen at the office of the Clerk of the Board, in the City of Napa, or at the office of the Architect, W. H. Weeks, 75 Post St., San Francisco, California.

All bids should be presented on Bid Form furnished by the Architect.

Each bid must be accompanied by a certified check on some responsible California bank in the sum not less than ten (10%) per cent of the amount bid, made payable to Mrs. Percy S. King, President of the Board of Trustees of the Napa School District, for the purposes stated in the specifications.

Each bid must be enclosed in a sealed envelope and addressed to Howard E. Roper, Clerk of Napa School District, Napa, California, and endorsed "Proposal for Building School House."

The Board of Trustees expressly reserves the right to reject any and all bids.

Bids may be delivered to the undersigned, Clerk of said Board of Trustees, at his residence in said City of Napa, or handed in to the said Board of Trustees at the time and place of meeting above stated, at any time up to the hour of opening said bids.

HOWARD E. ROPER,
Clerk of the Board of Trustees of the Napa School District, of Napa County, State of California.

Dated: September 10th, 1921.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

(One-story Brick Structure)

On the construction of a new school building for the Summer Home School District, San Joaquin County, California.

Notice is hereby given by order of the Board of Trustees of the Summer Home School District that separate proposals will be received at the Summer Home school house, located in the Summer Home School District, near the town of Manteca, County of San Joaquin, State of California **until Saturday, October 1st, 1921, up to 2 P. M.,** for the furnishing of all labor and materials necessary for the construction of the following items in connection with the new Summer Home school building.

1. Carpentering, labor, lumber and millwork.
2. Excavating, concrete, tile and brick work.
3. Plastering.
4. Painting and tinting.
6. Plumbing and sheet metal work
7. Electrical work.
8. Roofing.

The above work is necessary for the construction of this new school building in accordance with plans and specifications on file, which may be seen at the office of C. H. Young, 903-4-5, Commercial and Savings Bank Building, Stockton, California, the authorized architect for the Board. All bids must be accompanied by a certified check or certificate of deposit for not less than 10 per cent of the amount bid, and conditioned that the successful bidder shall enter into a contract in accordance with such bid, and file with said Board of Trustees a surety bond to be approved by said Board, both as to form and sureties thereon, within five (5) days after acceptance of his bid, which bond shall be conditioned for the faithful fulfillment of the contract entered into, and to be for at least fifty (50) per cent of the amount of the contract price for the work to be done thereunder. Upon failure of the bidder to execute such contract and bond within said five (5) days, said ten (10) per cent of the amount bid shall be forfeited to said Summer Home School District. All the work to be done and materials to be furnished shall be in accordance with the plans and specifications herein specified, and all bids herein will be opened at the hour of two o'clock P. M. on the first day of October, 1921, by said Board of Trustees of the Summer Home School District, in the County of San Joaquin, State of California.

All bids must be submitted on forms obtained from the architect, said Board of Trustees reserving the right to reject any and all bids.

By order of the Board of Trustees of the Summer Home School District, County of San Joaquin, State of California.

Dated Sept. 12th, A. D. 1921.

J. W. SIMMONS.
J. S. HUNTER.
BERTHA M. ELLIOTT, Clerk.

THE OBSERVER

(Continued from Page 4)

H. E. Moon, formerly of the H. W. Moore Co., road builders' and contractors' equipment house, Denver and Salt Lake City, has accepted a position as sales engineer with the Construction Machinery Co., 453 E. Third St., Los Angeles.

Bagasse, the sugar cane stalk from which the juice has been extracted, is being made into building material by a manufacturing company at Marrero, La., across the Mississippi River from New Orleans. It is said to be virtually a substitute for lumber and its promoters claim it to be superior in some respects. The product is being manufactured in boards 12 feet wide and 800 feet long, one board containing enough material to build three bungalows. Strips are later cut into required dimensions. Discovery of a use for bagasse is said to have developed during the war in an investigation of insulating board.

During June, 65,480 feet of hardwoods and 3 million feet of Canadian lumber were imported.

Architect A. Merrill Bowser of San Francisco is conferring with the Chamber of Commerce of Hollister, Calif., in an effort to relieve the housing shortage in that city. A committee has been appointed by the Chamber to work out means of financing at least ten residences, as the first unit, of an extensive home building campaign.

Now that the city of San Francisco is contemplating the purchase of the United Railroads system, the Menlo Park Chamber of Commerce expresses the hope that the purchase will be completed and arrangements made for the extension of the San Mateo electric line to Palo Alto and the operation of fast electric trains.

Members of the Building Construction Employers' Assn. of Chicago are planning to replace all union men who fail to report for work Sept. 15.

R. D. Hanbey and L. E. Daly, road and bridge contractors, have organized the Cascade Construction Co. and will maintain offices in the Douglas Bldg., Seattle, Wash.

City manager form of government is proposed by the Oroville Chamber of Commerce. Businessmen are of the opinion a city manager form of government would result in increased efficiency at a less expense for a municipality the size of Oroville.

Further indications that the cost of building has taken a big drop. The architect's estimate for general construction of the Spring Valley school was $75,000. Eight bids were received by the Board of Public Works, the lowest being $40,340 and the highest $55,222. Estimate for plumbing work on the same structure was $4000. The lowest of seven bids was $3283 and the highest $4100. Estimate for heating was $2,000, the lowest of nine bids being $1,200 and the highest $1,866. Electric work was estimated to cost $1,800; four bids received ranged from $1,360 to $1,650.

During the last six months the San Francisco Chamber of Commerce brought 118 new industries to this city, among them being an $8,000,000 concern, according to Clarence Colman, business manager of the organization.

High pressure tests conducted at Fresno recently of the building tile manufactured at the Merced plant of the California Pottery Company, have given surprising results, according to President Frank Costello and Manager Edw. Forde. Tiles placed under a 60,000-pound pressure showed a strength and resistance that places the product of the Merced plant in the first rank of a similar building material.

"Pacific City," an immense amusement center, will be established on the San Mateo Beach by a company headed by Nat Messer, San Francisco real estate operator. In addition to a huge swimming tank, it is planned to spend approximately $200,000 in the construction of permanent buildings.

That California bond houses are interested in the proposed sale of the $2,980,000 worth of bonds to finance the erection of the Capitol extension buildings is evidenced by the many inquiries being received by the State Board of Control from bond buying companies. Gilbert B. Daniels, chairman of the Board of Control, believes little difficulty will be experienced in selling the securities.

Development of extensive clay deposits in the Truckee River canyon three miles from Vista on the main line of the Southern Pacific railroad is contemplated by the Sierra Clay Products Company. The company, headed by H. O. Lague of Sparks, Nev., is to construct a [illegible] and then [illegible] is operating successfully to widen the

scope of the work by manufacturing tile, pottery and other clay products. The company also holds considerable land, on which it is said there are large deposits of cement material and if conditions warrant it, this material will be used in making cement.

H. K. Faye, traffic manager of the Western Pacific railroad, announces that transcontinental lines are preparing to publish a commodity rate of $1.67 per 100 pounds, minimum weight 50,000 pounds, on carload shipments of iron or steel braided wire from Pittsburg, Pa., district to California. This is a reduction of about 50 per cent. The manufacture of this wire is a new venture, it being used for the reinforcing of pneumatic tires.

The U. S. Civil Service Commission announces that examinations will be held shortly for Radio Inspector, $1800 to $2200 per annum; Mechanical Engineer (for vehicular tunnel work), $325 per month; Associate Metallurgist (qualified in foundry practice), $2000 to $3000 a year. Application blanks may be had from offices of Commission, 241 Postoffice Bldg., San Francisco.

Exports increased approximately $54,000,000 and imports about $17,000,000 during August as compared with July, according to the monthly foreign trade summary issued by the Commerce Department.

Stockholders of the Utah Steel Corp. vote to increase the preferred stock of the organization from 7500 shares to 50,000 shares at a par value of $100, and to increase the common stock from 17,500 shares at a par value of $100 to 50,000 shares without par value. Authorization of increased capital is to extend the facilities of the company's plant at Midvale. New equipment will include sheet mills, a blast furnace and subsidiary mills and shops, the total cost of which will be $3,000,000.

STORES AND OFFICES

(Continued from Page 12)

Contract Awarded.
MARKET BLDG. Cost, $39,989 95
PITTSBURG, Contra Costa Co., Cal. SE Third and Railroad Streets.
Two-story fireproof market building.
Owner—A. C. Cardinale, F. Iacona and M. Patane.
Architect—Not Given.
Contractor—G. E. Seeno & A. Colombo, Pittsburg.

Sub-figures Being Taken.
STORE BLDG. Cost, $——
SAN FRANCISCO. W. Valencia 120 S. 18th St.
Two-story reinforced concrete store building.
Owner—San Francisco Realty Syndicate, 2008 Mission St., S. F.
Architect—Not given.
Construction Manager—A. J. Horstmann, 304 Anglo Bldg., 16th and Mission Sts., S. F.
The figures are being taken by Mr. Horstmann.

Contract Awarded.
STORE BLDG. Cost, $——
SAN FRANCISCO. N Mission near New Montgomery Street.
One-story and mezzanine reinforced concrete store building, 20x80.
Owner—Sullivan Estate.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractors— Barrett & Hilp, Sharon Bldg., San Francisco.

This contract includes all work except the excavation which is being completed by the Carlin Grading Co., 180 Jessie St.

Contract Awarded.
OFFICE BLDG. Cost, $22,500
STOCKTON, San Joaquin Co., Cal. Head of Stockton Channel near El Dorado St.
Two-story hollow tile office building.
Owner—City of Stockton.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
Contractor—Morrison & Vickeroy, 1122 N. Commerce St., Stockton.
The following bids were also received:
L. S. Peletz, Stockton.....$28,500
Shepherd & Riley, Stockton.... 25,209
Crow & McPhee, Stockton..... 28,980
Davidson & Nicholson, S. F..... 28,700
P. F. Reilly, San Francisco..... 28,980

Plans Being Prepared.
ADDITION Cost, $75,000
SAN FRANCISCO. NW Powell and Sutter Sts.
One-story Class "A" addition to present 8-story office building.
Owner—Morris Meyerfield.
Architects—Meyer & Johnson, Bankers' Investment Bldg.

Prospective Building.
MARKET BLDG. Cost, $150,000
SAN FRANCISCO. 12th St. bet. Market and Mission Sts.
Concrete market building.
Owner—Farmers' Public Market; Geo. L. Riccomi, Mgr.
Architect—Not given.

Plans Being Prepared.
OFFICE BLDG. Cost, $——
LOS ANGELES, Cal. Hunter St. bet. Lemon and Alameda Streets.
Two-story & basemen Class A freight office building, 80x200.
Owner—Union Pacific Railway Co.
Architects—John & Donald B. Parkinson, Title Insurance Bldg., Los Angeles.

Contract Awarded.
DEPT. STORE BLDG. Cost, $——
LOS ANGELES, Cal. NW Hollywood Blvd. and McCadden Place.
Four-story and basement Class A department store building, 77-5x120. (Designed for seven stories).
Owner—C. C. Toberman.
Lessee—W. F. Rippe and Martin Finberg.
Architects & Contractors — Milwaukee Building Co., 315 Wright & Callender Bldg., Los Angeles.

Plans to be Prepared.
MARKET Cost, $——
BERKELEY, Alameda Co., Cal. NE Shattuck Ave. and Alston Way.
One-story reinforced concrete market.
Owner—M. M. Samson, 2797 Shattuck Ave., Berkeley.
Architect—Not Selected.

Owner Taking Figures For Lumber Reinforcing steel and Plumbing.
OFICE BLDG. Cost, $50,000
SAN FRANCISCO. N Sutter 137-5 E Stockton Street.
Five-story and basement reinforced concrete office building.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David Coleman, 110 Sutter St., San Francisco.

VALLEJO, Solano Co., Cal.—Bids are now being received by Architect Chas. E. Perry Jr., 514 Main St., Vallejo, for the purchase and wrecking of a two-story brick building on Georgia street in Vallejo.
This present structure will be replaced by a six-story Class C store and office building. Fred Fisch and A. J. Higgins are the owners.

THEATRES

Figures Being Taken for Electrical Work.
THEATRE Cost, $100,000
SAN FRANCISCO. Castro Street bet. 17th and 18th Streets.
Class A motion picture theatre.
Owner—Nasser Bros.
Architect—T. L. Pfluger, Lick Bldg., San Francisco.
The general contract work is being done by The American Concrete Co.

Contract Awarded.
STORE, ETC. Cost, $30,000
LOS ANGELES, Calif. Larchmont Blvd. and N. 1st St.
One-story concrete store and picture theatre building, 74x120 ft.; 900 seats.
Owner—J. J. La Bonte.
Architect and Contractor — Western Construction Co., 127 N. Larchmont Blvd., Los Angeles.
There will be a $30,000 organ installed.

Plans Being Prepared.
THEATRE BLDG. Cost, $500,000
OAKLAND, Alameda Co., Cal. E. Broadway near 19th St.
Class A theatre building, 2300 seats.
Owner—Orpheum Theatre Co.
Architect—G. Albert Lansburgh, 704 Mission St., San Francisco.

Figures Being Taken for Concrete Work.
THEATRE Cost, $100,000
SAN FRANCISCO. Mission St. between Brazil and Persia Ave.
Class A theatre (1100 seats).
Owner—R. A. McNeill, W. G. Bailey & R. E. Baines (Excelsior Amusement Co.).
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Figures will be taken next week on other parts of the work except the steel, which has been awarded to the Central Iron Works, 2050 Bryant St.

SAN MATEO, San Mateo Co., Cal.—Construction of a speedway at San Carlos on the Phelp's property will be started within the next few weeks, according to Fred E. Beer of San Mateo, one of the promoters of the project. William J. Loring, president of the American Mining Congress and a director of the First National Bank of Sonora, with C. F. Morton, former resident of San Mateo and a brother of C. B. Morton, former partner with Beer in the automobile business in San Mateo, are the men behind the company. According to plans designed by Jack Prince, builders of the Los Angeles, Fresno and Cotati speedways, the structure will be of the saucer type, one and one-quarter miles in length. The grandstand will have a seating capacity of 45,000. It is expected to have construction completed for New Year's Day.

SAN MATEO, San Mateo Co., Cal.—"Pacific City," an immense amusement center, will be established in the San Mateo Beach by a company headed by Nat Messer, San Francisco real estate operator. In addition to a huge swimming tank the company will spend approximately $200,00 in the construction of permanent buildings. Funds are available.

OCEAN PARK, Los Angeles Co., Cal.—Edward T. Flaherty, engineer, 435 I. W. Hellman Bldg., Los Angeles., is preparing plans and will receive bids about Oct. 1 for the foundation of a roller coaster to be erected at Ocean Park. The coaster when completed will extend 600 ft. beyond the end of the pier and will be the largest in the world. Foundation to cost about $60,000.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

PLACERVILLE, El Dorado Co., Cal. —Following bids were received by Supervisors for constructing a steel bridge of 160-ft. span across the South Fork of the American River at Chili Bar: Jenkins & Elton, 36th and Y Sts., Sacramento, (a) $12,185; (b) $11,-870; W. B. Kyle & Co., San Francisco, (b) $14,650. Bids taken under advisement until Sept. 17. Henry Lahiff, County Surveyor.

SACRAMENTO, Cal. — The State Reclamation Board has adopted project No. 9 providing for the straightening of the channel of the Sacramento River at points between Sacramento and Tisdale Weir at the lower end of the Sutter Basin. The work will cost about $150,000.

STOCKTON, San Joaquin Co., Cal.—County Engineer F. E. Quail instructed to prepare specifications for levee work on the diverting canal and Mormon channel.

LODI, San Joaquin Co., Cal.—Barton & Potter, civil engineers, have been retained by Libby, McNeill & Libby to handle all engineering work on their holdings west of Lodi. They are now running a series of protection levees on the Canal ranch near Thornton.

NAPA, Napa Co., Cal.—Simon Lenz, St. Helena, at $2,000.25 awarded contract by Supervisors for constructing culverts in Dry Creek road near Enterprise school house. Only other bidder: Harry Thorsen, $2,031.37. Edw. Ball, County Engineer.

EL CERRITO, Contra Costa Co., Cal. Neel & White at $865 submit low bid to town trustees for constructing concrete culvert in Lincoln St. Only other bidder: A. L. Bigley, $962. Bids taken under advisement.

REDDING, Shasta Co., Cal.—Wm. Stephens, Redding, at $1362 awarded contract by Supervisors to construct a concrete bridge across Tadpole Creek on the Igo road. C. R. Wiegel, County Surveyor.

HANFORD, King Co., Cal.—Supervisors are contemplating early construction of two reinforced concrete bridges over the King River and the adjoining slough on the Sierra-to-the-Sea lateral highway. Plans for the structure are being completed. Roy May, County Surveyor.

SAN LUIS OBISPO, Cal.—Until Oct. 4 bids will be received by R. J. Rodrigues, County Clerk, for constructing Corbet Canyon bridge on the San Luis Obispo and Nipomo road near Arroyo Grande. Warren Burch, County Engineer.

OROVILLE, Butte Co., Cal.—Until Sept. 26, 1:30 p. m., bids will be received by Supervisors, C. F. Belding, Clerk, for bridge construction as follows:

For the construction of a bridge over Kusel slough, on the Chico and Orland State Highway.

For the construction of a bridge over a slough at Station 124 of the survey of the Chico and Orland State Highway.

For the construction of a bridge over a slough at Station 127 of the survey of the Chico and Orland State Highway.

For the construction of a bridge over Mud Creek on the Chico and Orland State Highway.

For the construction of a bridge over Rock Creek on the Chico and Orland State Highway.

Certified check 10% required with each bid. Harry H. Hume, County Engineer.

SACRAMENTO, Cal.—Until Sept. 20, 10 A. M., bids will be received by State Reclamation Board, Melville Dozier Jr., General Manager, 835 Forum Bldg., for team work necessary to handle about 20,000 cubic yards of material, practically all river sand, on and along the east levee of the Sacramento river, at a point about two miles downstream from the town of Hood, Sacramento County. Bidder will state price per cu. yd. Material to be handled will be placed upon river bank by clam shell dredges. Blanks for bidding will be furnished on request.

BAKERSFIELD, Kern Co., Cal.—The Bakersfield Civic Commercail Assn. has entered an agreement with the firm of Quinton, Code & Hill, consulting engineers of Los Angeles, whereby the latter will conduct an investigation in connection with the proposed levee project on the Kern River north of Bakersfield, and prepare a report covering the results of such investigation, which must be submitted to the directors not later than November 10, next.

HOLLISTER, San Benito Co., Cal.—County Surveyor W. A. Winn is completing plans for a bridge at the Moore Crossing in Road Dist. No. 4; also for a highway bridge on the San Felipe, Fairview and Township road over the Los Viboras Creek. Bids will be asked shortly.

FRESNO, Fresno Co., Cal.—Consolidated Irrigation District has elected the following directors: E. E. Giffen, J. V. Wilkins, W. H. Shafer, H. C. V. Hanson and E. C. Ericsson. The district will vote $1,500,000 bonds to acquire Consolidated Canal Co.'s system and will join in the Pine Flat reservoir project on Kings river. This project will involve building a dam to impound 600,000 acc. ft.

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PLACERVILLE, El Dorado Co., Cal. —Until Sept. 17, 9 a. m., bids will be received by Arthur J. Koletke, County Clerk, for constructing a reinf. concr. bridge 274 ft. in length over the south fork of the American River. Certified check 10% payable to Chairman, Board of Supervisors, required with each bid. Plans on file in office of clerk. Henry Lahiff, County Surveyor.

WILLOWS, Glenn Co., Cal.—Until Oct. 10, 2 p. m., bids will be received by W. H. Sale, County Clerk, for constructing reinforced concrete (Rockville) bridge, about 6 miles south of Elk Creek in Road Dist. No. 4. Certified check 10% required with each bid. Bayard Knock, County Engineer.

BOISE, Idaho. — Applications filed with State Department by Malad Reservoir Co. to construct dam for impounding water for irrigation purposes. Will have storage capacity of 14,000 acre feet per annum for use on 23,000 acres near Malad in Oneida County. Dam will be of reinforced concrete and steel, 70 ft. high, 600 ft. crest and 100 ft. ground level.

FRESNO, Fresno Co., Cal.—Supervisors approve specifications of Chris. P. Jensen, County Surveyor, for repairing the Firebaugh bridge; work to be financed by Madera and Fresno counties.

UKIAH, Mendocino Co., Cal.—Supervisors reject bids for constructing bridge over Russian River at Cunningham crossing in Coyote Valley. E. H. Smith, County Surveyor.

LOS ANGELES, Cal.—Paul H. Ehlers, 1959 N. Raymond Ave., Pasadena, submitted lowest bid at $8800 for constructing reinf. concr. bridge, 52-ft. span, over Walnut Creek, on Glendora Ave. Other bids received by Board of Supervisors were: Napier & Simpson, $9023; E. T. Wheeler Co., $9586; Funk & Bunker, $10,497; W. M. Ledbetter, $10,964; Mercereau B. & Con. Co., $11,-800; P. J. Keenan, $13,495; Ross Con. Co., $15,563. Bids referred to County Road Department.

SAN BERNARDINO, Cal.—Until Oct. 3 bids will be received by City Clerk for constructing a reinf. concr. arch bridge, consisting of three 50-ft. spans, 60 ft. wide, over Lytle Creek on Mt. Vernon Ave. C. E. Johnson, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—County Clerk J. H. Wells instructed to call bids for constructing retaining wall on Star St., in Valona. R. R. Arnold, County Engineer.

HANFORD, Kings Co., Cal.—Noble Construction Co., Visalia, at $3,459.82 awarded contract by Supervisors to construct reinforced concr. highway bridge over the People's Ditch between Sections 33 and 34, township 17 S., R. 22 E., M. D. B. and M., involving 140 cu. yds. of Class A concr. and 11,797 lbs. of square reinf. steel. Other bidders: Nate Lovelace, Visalia, $3,721.59; W. H. Cartright, Hanford, $3,993.62; J. F. Brown, Hanford, $4,152.15. Estimate of County Engineer Roy May, $3,400.

REDWOOD CITY, San Mateo Co., Cal.—County Engineer Geo. A. Kneese instructed to prepare specifications for digging a ditch to carry off storm and drain waters at the cemeteries.

OAKLAND, Cal.—Until Oct. 3, 10 a. m., bids will be received by Geo. E. Goss, County Clerk, for constructing temporary trestle at Bay Farm Island bridge. Certified check 10% payable to clerk required. P. A. Haviland, County Surveyor.

NAPA, Napa Co., Cal.—Frank Gaggero, Napa, at $929.41 awarded contract by Supervisors for building bridge and culvert in Road District No. 5. Edward P. Ball, County Surveyor.

SANTA ROSA, Sonoma Co., Cal.—W. L. Proctor, Santa Rosa, at $2,837 awarded contract by Supervisors for constructing reinforced concrete bridge on the east side of the Russian River on the Geyserville—Jimtown road, near Metzer ranch. Other bidders: D. E. Albers, Santa Rosa, $3,345; G. H. Chich, San Francisco, $3,657; C. A. Brauch, San Francisco, $3,315; John Cogo, Sonoma, $3,092; Cal Construction Co., Petaluma, $3,278. County Engineer R. Press Smith's estimate, $3,500.

LONG BEACH, Cal.—Harbor Engineer Wm. V. Brady estimates the cost of dredging a 20-ft. channel to municipal wharf at $75,000. About 251,000 cu. yds. dredging will be required.

SAN FRANCISCO.—Until October 14, 11 a. m., bids will be received by U. S. Engineer Office, Customhouse, for dredging in Richmond Harbor. Specifications will be furnished on request.

MODESTO, Stanislaus Co., Cal.—Supervisors approve plans for thirteen bridges to be constructed in various sections of the county and a call for bids will be issued shortly. J. H. Hoskins, County Surveyor.

OAKLAND, Cal.—P. A. Haviland, county surveyor, completing plans for constructing overhead crossing on county road No. 818.

EUREKA, Humboldt Co., Cal.—County Surveyor A. J. Logan completes specifications for bridge over Carter Creek in the Alderpoint section. County Surveyor instructed to construct concrete wing walls for the approach and fill of the Mill Ford bridge in the Mattole section.

LOS ANGELES, Cal.—Until 11 a. m., Oct. 10, bids will be received by supervisors of Los Angeles County for improvements of flood channel of Rio Hondo from Southern Pacific station at Vinvale to Los Angeles River, about 9000 ft. A channel 150 ft. wide will be constructed, waste being thrown up into dikes, involving about 190,000 cu. yds. earthwork. Certified check for 10%.

IRRIGATION PROJECTS

FRESNO, Fresno Co., Cal.—Adell & Cortright, Hanford, at $3433.75, awarded contract by Fresno Irrigation District for tearing out of an old wood flume and trestle on the Epstein ditch near Herndon and building in its place a three-foot concr. pipe and approaches. Other bidders were: Bent Bros & Clark, Pixley, $4300; Merced Concrete Pipe Co., Merced, $4375.

OLINDA, Shasta Co., Cal.—Leo K. Kennedy appointed engineer in charge of tunnel work and other improvements in the Happy Valley Irrigation District.

FAIRFIELD, Solano Co., Cal.—Engineers Earle Cope and Geo. Dillman of San Francisco have been appointed by directors of Suisun Irrigation District to investigate the cost and feasibility of the project. The proposed project is to irrigate 40,000 acres.

LIGHTING SYSTEMS

SACRAMENTO, Cal.—J. C. Carly Co. petitions City Commissioners for permission to install electrolier system on Curtis Way in West Curtis Oaks from William Curtis Park to Franklin Blvd. The cost of installation will be borne by petitioners, cost of maintenance by the city.

LOS ANGELES, Cal.—Until 11 a. m., Sept. 19, bids will be received by Supervisors of Los Angeles County for constructing an ornamental lighting system on Fairfax Ave. and 18 other streets in Crescent Hts. Lighting District under County Imp. Act of 1921. About 242 posts with conduits and appliances will be required. Certified check or bond for 10%. Plans and specifications on file at office of board.

REDONDO BEACH, Los Angeles Co., Cal.—Property owners have petitioned for a 20-ft. concr. walk and an ornamental lighting system on The Strand in the Ocean Beach sub.

PRESCOTT, Ariz.—Vyne Bros. bid $10,471 for furnishing 60 lighting standards to the city. Savage & Born bid $14,870. These bids were for Novalux unit globe. Savage & Born bid $15,106 for round globe.

INGLEWOOD, Cal.—Until 8 p. m., Sept. 19, bids will be received by City Clerk Ruth A. Cory for constructing an ornamental lighting system on portions of Market, Commercial, Regent, Queen and Los Angeles Sts. Work will be done under Vrooman Act. Eighty-six Marbelite posts with conduits and appliances will be required. Arthur W. Cory, City Engineer.

MERCED, Merced Co., Cal.—City Trustees approve specifications for installing electrolier system in various sections of city. About 460 standards will be installed. C. D. Martin, City Engineer.

FIRE EQUIPMENT

TURLOCK, Stanislaus Co., Cal.—Until Sept. 20, 8 P. M., bids will be received by A. P. Ferguson, City Clerk, for furnishing and delivering 500 ft. 2½-in. fire hose.

SAN FRANCISCO.—Board of Supervisors order construction of 75,000-gallon reinf. concr. fire cistern at Lakeview and Josiah Aves., in the Columbia Heights District. Bids for construction will be called by the Board of Public Works in the immediate future. M. M. O'Shaughnessy, City Engineer.

SAN FRANCISCO.—Until Sept. 28, 8:30 p. m., bids will be received by Frank T. Kennedy, secretary, Fire Commission, basement, City Hall, for cleaning and painting parts of Pumping Stations Nos. 1 and 2 of the Fire Department. Specifications and blanks for bidding will be furnished on request.

SAN FRANCISCO.—Until Sept. 28, 8:30 p. m., bids will be received by Frank T. Kennedy, secretary, Fire Commission, basement City Hall, for furnishing one combined gasoline and lubricating oil tank with a capacity of 600 gallons for use of the Fire Department. Forms for bidding will be furnished on request.

MACHINERY

PASADENA, Los Angeles Co., Cal.—The Pacific Iron & Steel Co. was the lowest bidder at $10,850 for fur. and installing and steel iron trusses, columns and girders at the municipal electric light plant at Glenarm and Raymond Aves., Pasadena. Llewellyn Iron Works bid $10,875; C. W. Beverstock, $11,986; Baker Iron Works, $11,750; El Paso Bridge & Iron Co., $12,750 with alternate of $9500 for material only.

REDWOOD CITY, San Mateo Co., Cal.—Until Sept. 19, 8 P. M., bids will be received by W. A. Price, City Clerk, for furnishing and delivering f. o. b. cars, factory:

48 feet of 8-in. cast iron water pipe.
5800 feet of 4-in. cast iron water pipe.
18 4-in. by 4-in. cast iron tees.

Cast iron pipe to be either of hub and spigot form in twelve foot lengths Class B Standard weight, or Universal Cast Iron Pipe in six foot lengths Class No. 100 Standard weight. Delivery to be made 30 days after award of contract. Certified check for 10% payable to President Board of Town Trustees required with each bid.

ALAMEDA, Alameda Co., Cal.—The municipal garbage incinerator, which the city proposes building, will be constructed without cost to the taxpayers, according to City Manager C. E. Hickok. The funds for construction will come from the profits of the Municipal Electric light plant. It is expected that the incinerator will be completed May 1.

REDWOOD CITY, San Mateo Co., Cal.—Until Sept. 19, 8 P. M., bids will be received by W. A. Price, City Clerk, for furnishing and delivering pipe and beaded fittings to be delivered f. o. b. cars, Redwood City, 4000 ¾" Pipe, 5000 1½" Pipe, 5000 2" Pipe.

150 ¾" Plugs, 20 1½" Plugs, 20 2" Plugs.

12 ¾" Caps, 12 1½" Caps, 12 2" Caps.

12 2" by ¾" Bushings, 12 2" by 1½" Bushings, 24 1½" by ¾" Bushings, 12 ¾" by ½" Bushings.

12 2" Street Ells, 24 1½" Street Ells, 50 ¾" Street Ells.

60 ¾" Common Unions, 24 1½" Common Unions, 12 2" Common Unions.

200 ¾" Ells, 50 1½" Ells, 12 2" Ells.

20 ¾" by ½" Reducing Ells, 20 1" by ¾" Reducing Ells.

12 2" Tees, 20 1½" Tees, 50 2" by ¾" Tees, 15 2" by 1½" Tees, 50 1½" by ¾" Tees, 50 ¾" Tees.

20 ¾" by 2½" Nipples, 20 1½" by 2½" Nipples, 20 2" by 3½" Nipples.

Delivery to be made 30 days after award of contract. Certified check for 10% payable to President of Board of Trustees required with each bid.

MADERA, Madera Co., Cal.—Until Sept. 22, bids will be received by M. H. Tyrrell, Clerk, Madera School District, for furnishing and delivering a Ford auto truck for transporting pupils of the district.

GLENDALE, Los Angeles Co., Cal.—Until 7:30 p. m., Sept. 22, bids will be received by City Clerk J. C. Sherer for 4500 ft. 4-in. Class B C. I. pipe and 3 tons 4-in., 6-in. and 8-in. Class D, C. I. fittings.

NAPA, Napa Co., Cal.—Supervisors vote to purchase a 10-ton single cylinder roller, for $6,000. Edw. P. Ball, County Surveyor.

SANTA CLARA, Santa Clara Co., Cal.—Until Sept. 26, 8 p. m., bids will be received by W. J. Hayward, Secretary, Board of Education, for fur. and del. two Reo speed wagon chassis and for two W. P. Smith bodies for same. Certified check 10% payable to President Board of Education required.

LOS ANGELES, Cal.—Council has placed $29,000 at disposal of the City Engineering Department to purchase land and equipment for garbage loading station.

LOS ANGELES, Cal.—Until 3 P. M., Sept. 20, bids will be received by the Board of Public Service, 207 S. Broadway, for 10,000 lbs. No. 4-0 A. W. G. triple braid weatherproof 19 strand copper cable; Specifications P-239-151. L. A. Anderson, Acting Secretary.

SAN DIEGO, Cal. According to dispatches from Mexico City a concession has been granted to Clay T. Yerby, whose residence is given as Seal Beach, Calif., and Hugh B. Evans to construct a 10-in. pipe line from the Mexican oil fields to the Pacific coast. The project is estimated to cost $10,000,000. The pipe line will be 2300 miles shorter than the present water route. The line will extend from the gulf of Salin Cruz to points north following the Tehauntepec R. R.

ARCADIA, Los Angeles Co., Cal.—Until Sept. 21, bids will be received by the City Trustees for 1200 ft. 8-in. 14-gauge riveted steel pipe and fittings; plans and specifications on file in the office of City Engineer O. A. Gierlich, 209 National Bank Bldg., Monrovia.

ORLAND, Glenn Co., Cal.—Fairbanks-Morse Co., at $12,326, awarded contract by City Trustees for furnishing and installing auxiliary engine for municipal water plant. Bids were received as follows: Semi-Deisel engines: Chicago Pneumatic Tool Co., $12,275; Cahill-Vensano Co., $12,300; Pacific Deisel Engine Co., $10,500; Fairbanks-Morse Co., $12,326.

Full Deisel engine: Enterprise Foundry Co.; $10,500; Western Machinery Co., $11,150; Pacific Deisel Engine Co., $13,500.

Gas engines: Enterprise Foundry Co., $7,000; Standard Gas Engine Co., $9,985.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

VALLEJO, Solano Co., Cal.—United Construction Co., Vallejo, will improve with bituminous concrete, 40 feet wide, Capitol street, between Monterey and the railroad tracks. Work will be done under private contract. T. D. Kilkenny, City Engineer.

BERKELEY, Alameda Co., Cal.—The City Council, E. M. Hann, Clerk, passes Resolution of Intention to improve the east half of Grant street, from Rose street, 80 feet north by grading, constructing concrete curbs and gutters, cement sidewalks and paving with oil macadam. Improvement Act 1911. Protests September 23.

Council also passes Resolution of Intention to construct cement sidewalks 6 feet wide in portions of Harrison, Gilman, Camelia, Page, Cedar, Virginia streets, etc. Improvement Act 1911. Protests September 27. C. L. Huggins, City Engineer.

HERMOSA BEACH, Los Angeles Co., Cal. Until 10 A. M. Sept. 19, bids will be received by the City Trustees for paving Loma Dr. with 5-in. concrete with oiled top, about 16,865 sq. ft.

BERKELEY, Alameda Co., Cal.—Until Sept. 20, 10 a. m., bids will be received by E. M. Hann, City Clerk, for constructing approximately 1100 ft. of reinforced concr. sewer 3x4 ft. by 6 in.; 2 manholes and 4 catchbasins in Woolsey St. from Adeline St. easterly. Council has appropriated $18,000 for this work. Certified check 10% payable to city required. Plans on file in office of Clerk. C. L. Huggins, City Engineer.

BURBANK, Los Angeles Co., Cal.—I. S. Reynolds, Metropolitan Bldg., Los Angeles, was awarded the contract at about $35,450.44 for constructing an outfall sewer (vit. pipe), catch basins, etc., for city of Burbank. E. L. Plantico, 4120 Central Ave., Los Angeles, was awarded the contract at about $12,222 for grading and piping the sewer farm. Bids for the sewage treatment plant were taken under advisement for 60 days. Koebig & Koebig, Title Insurance Bldg., Los Angeles, consulting engineers.

WHITTIER, Los Angeles Co., Cal.—Following are bids received by City Trustees for paving with 5-in. concr. 7 streets and alleys and for which contracts will be awarded Sept. 13:

Alta Ave.—Wells & Bressler, 3 California Bank Bldg., Santa Ana, 18,841.74 sq. ft. paving at 24c; 18,841.74 sq. ft. grading at 18c ft.; 1194.31 ft. curb at 60c ft.; 5201.02 sq. ft. sidewalk at 22c ft. Evert M. Hinshaw, Whittier Savings Bank Bldg., Whittier, paving 22.38c, grading 24.37c, curb 69.1c, walk 22½c.

Pasadena Ave.—E. L. Garretson & Son, 1346 Fairfax Ave., Los Angeles, 31,816.04 sq. ft. paving at 21c ft; 31,816.04 sq. ft. grading at 4¾c ft.; 2229.04 ft. curb at 52c ft.; 8688.14 sq. ft. walk at 19c ft. Wells & Bressler, paving 23½c, grading 6c, curb 55c, walk 20c. E. M. Hinshaw, paving 22.38c, grading 7.57c, curb 69.1c, walk 22.29c.

South Bright Ave.—E. L. Garretson & Son, 34,120 sq. ft. paving at 21c; 34,120 sq. ft. grading at 4¾c; 1433 ft. curb at 52c; 5737 sq. ft. walk at 19c. Wells & Bressler, paving 23½c, grading 5½c, curb 55c, walk 20c. E. M. Hinshaw, paving 22.38c, grading 6.71c, walk 22.29c.

North Bright Ave.—E. L. Garretson & Son, 20,253.5 sq. ft. paving at 21c; 20,253.5 sq. ft. grading at 4¾c; 1205 ft. curb at 52c; 5405 sq. ft. walk at 19c. Wells &Bressler, paving 23½c, grading 6½c, curb 55c, walk 20c. E. M. Hinshaw, paving 22.38c, grading 7.91c, curb 69.1c, walk 22.29c.

Alley bet. Bright and Washington—E. M. Hinshaw, 12,254.28 sq. ft. paving at 22.38c; 12,254.28 sq. ft. grading at 5c. Wells &Bressler, paving 24¼c, grading 4¾c.

Alley bet. Painter and Friends and part of Friends—Wells & Bressler, 22,447.28 sq. ft. paving at 23½c; 22,447.28 ft. grading at 4¾c; 600 ft. curb at 55c; 1983.5 sq. ft. walk at 20c. E. M. Hinshaw, paving 22.38c, grading 5.55c, curb 69.6c, walk 22.29c.

Alley bet. Painter and Friends north of Broadway—Wells & Bressler, 18,809.56 sq. ft. paving at 24¼c; 22,809.56 sq. ft. grading at 6.76c. E. M. Hinshaw, paving 22.53c; grading 6.76c. P. E. Todd, City Engineer.

RIVERSIDE, Riverside Co., Cal.—Wells & Bressler, 3 California Bank Bldg., Santa Ana, were awarded the contract at $28,414.74 for paving with concr. a 1.55 mi. section of Corona-Elsinore road. Bids were also submitted by Peter L. Ferry of Glendale, and R. T. Shea & Co., of Riverside. F. A. Braman and T. M. Ruel of Riverside were awarded the contract for hauling 3000 tons of decomposed rock for surfacing 3 miles of road between Palm Springs and Indio at $1.19 cu. yd.

PETALUMA, Sonoma Co., Cal.—Until Sept. 19, 7 p. m., bids will be received by Lyman Green, City Clerk, for grading and paving Bodega Ave., involving 817 cu. yds. excavation and 37,442 sq. ft. concr. pavement 5 in. thick. City will furnish cement, sand and coarse aggregate for concrete. Specifications on file in office of Clerk. N. S. Frost, City Engineer.

SANTA BARBARA, Santa Barbara Co., Cal.—No bids were received for grading and graveling 5 miles of road between Los Olivos and Santa Ynes and the Supervisors authorized the County Clerk to readvertise for bids. The road will be surfaced with 8 inches of gravel 16 ft. wide.

HUTINGTON PARK, Los Angeles Co., Cal.—Los Angeles Paving Co., 2900 Santa Fe Ave., was awarded the contract for repaving portions of Templeton, Stafford, Regent, Marconi and Cottage Sts., in all about 9 blocks, with asph. concr. and constructing cement curb, gutter and sidewalk.

JACKSON, Amador Co., Cal.—County Surveyor W. E. Downs instructed to prepare plans for constructing the Defender grade. It is estimated the work will cost $10,000.

LONG BEACH, Cal.—D. P. Durham, 2825 Anaheim St., Long Beach, lowest bidder at 18.5c sq. ft. for grading and paving in Waite Ct. from Ninth to Tenth St.

D. P. Durham low bidder at 18.5c sq. ft. paving and grading and 50c lin. ft. cem. curb for improving two alleys in blk. 16, from First to Second Sts.

Ed. C. Woodruff awarded contract at 45c lin. ft. cem. curb and 18c sq. ft. sidewalk on Mira Mar Ave. from Colorado St. to Fourth St.

Fairchild-Gilmore-Wilton Co., L. A. Ry. Bldg., Los Angeles, awarded contract for improving Tenth St. from Pine Ave. to Cherry St. at 24.3c sq. ft. grading and paving; 55c lin. ft. cemcurb; 25c sq. ft. sidewalk; $6000 culverts.

REDWOOD CITY, San Mateo Co., Cal.—City Engineer C. H. Dimmitt completes specifications for street improvements in Redwood Highlands and for an oil macadam pavement, curbs and sewers in Finger Ave.

SANTA BARBARA, Cal.—Award of the contract for construction of the Lompoc highway to Samuel Hunter and Charles T. Richardson on their bid of $485,535.55 was rescinded by the County Supervisors on the ground that the award was illegal.

MARTINEZ, Contra Costa Co., Cal.—Supervisors petitioned to construct new highway connecting the town of Crockett with the Franklin Canyon highway, a distance of approximately 4 miles. Referred to County Engineer R. R. Arnold.

BAKERSFIELD, Kern Co., Cal.—Until Sept. 26, 10 a. m., bids will be received by F. E. Smith, County Clerk, for improving portions of county road No. 273, where it is within road district improvement 12.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Until Sept. 26, 8 p. m., bids will be received by Daniel McSweeney, City Clerk, for constructing 24-in. combined sanitary and storm-water sewer across right-of-way of the S. P. Co. in California Ave., to connect with the existing sewer at the east end of California Ave. with the sewer in Industrial Way. Certified check 10% payable to city required with each bid. Geo. A. Kneese, City Engineer.

CALIFORNIA. — State Treasurer Friend W. Richardson will receive bids until October 27th for the purchase of $5,000,000 of State Highway bonds.

OAKLAND, Cal.—County Supervisors are planning installation of water system for the county hospital at San Leandro. It is planned to take water from the hills back of the hospital for an adequate supply. The project will cost between $12,000 and $15,000. County Surveyor P. A. Haviland will be asked to submit plans for the system.

LODI, San Joaquin Co., Cal.—Fredrickson Bros., Stockton, awarded contract by Trustees for furnishing and laying 450 ft. of cement storm sewer pipe. Bid is: 1985 feet of 24-in. pipe, $2.60; 360 ft. of 12-in. pipe, $1.10; 1600 ft. of 10-in. pipe, $.88, and 1485 feet of 8-in. pipe, $.70. L. F. Barzellotti, City Engineer.

BAKERSFIELD, Kern Co., Cal.—Until Sept. 26, 5 p. m., bids will be received by V. Van Riper, City Clerk, for improving portions of A, D, E, F, G Sts., etc., by grading, constructing concrete curbs and gutters, paving with a 3-in. Willite base with a 1½-in. Willite wearing surface, constructing concr. culverts and 6-in. vit. sewer pipe. Imp. Act 1911. Certified check 10% payable to city required. R. H. Hubbard, City Engineer.

OROVILE, Butte Co., Cal.—No bids being received, Supervisors ordered County Engineer H. H. Hume to proceed by day labor with the construction of the Paradise-Stirling City road.

VALLEJO, Solano Co., Cal.—City Council, Alf E. Edgcumbe, Clerk, passes res. of int. to improve Packard alley, in blk. 445, from Sutter to Napa St., by grading, constructing redwood curbs and paving with concrete 16 ft. wide, 5 in. thick. Imp. Act 1911. Protests will be heard Sept. 26. T. D. Kilkenny, City Engineer.

SAN LUIS OBISPO, Cal.—Until Oct. 4, 2 p. m., bids will be received by R. J. Rodrigues, County Clerk, for grading and constructing sidewalks in the town of Pizmo. Warren Burch, County Engineer.

NAPA, Napa Co., Cal.—Until Sept. 19, 7:30 p. m., bids will be received by H. H. Thompson, City Clerk, for improving Madison St. from First St. northerly by grading, paving with a 2-course asph. macadam 40 ft. wide, constructing concr. curbs and catchbasins. Certified check 10% payable to city required. H. A. Harrold, City Engineer.

PETALUMA, Sonoma Co., Cal.—Until Sept. 19, 7 P. M., bids will be received by Lyman Green, City Clerk, for furnishing and delivering f. o. b. Petaluma, 513 barrels of Portland cement and 300 cu. yds. sand, the latter to be equal in quality to washed and graded Healdsburg sand. Material will be used in improvement of Bodega avenue. Certified check for 10% required with each bid. Specifications on file in office of Clerk. N. S. Frost, City Engineer.

STOCKTON, San Joaquin Co., Cal.—Until Sept. 24, 10 A. M., bids will be received by Eugene D. Graham, County Clerk, for furnishing 1500 tons, more or less, of cementing road gravel at Ashley Station on the Central California Traction Company's railroad for use in improvement work on the George W. Ashley road in Calaveras Road District. Certified check for 10% payable to Chairman of the Board of Supervisors required with each bid. F. E. Quail, County Engineer.

MADERA, Madera Co., Cal.—County Clerk instructed to call bids for fur. and del. approx. 900 yds., each., of 2-in. and ¼-in. crushed rock. Bids will probably be opened October 3rd. J. O. Rue, County Surveyor.

MONTEREY, Monterey Co., Cal.—City Trustees, Archie Kay, clerk, pass res. of int. to improve El Dorado St. bet. Munras Ave and Pacific St., by grading, paving with a decomposed granite gravel, constructing curbs and gutters, 4 catchbasins with 12-in. pipe connections. Imp. Act 1911. Protests Oct. 4. H. D. Severance, City Engineer.

FAIRFIELD, Solano Co., Cal.—County Engineer F. A. Steiger instructed to prepare specifications for improving six and one-half miles of road between Suisun and Cordelia, taking in Stingy and Chadbourne Lanes. A petition seeking the work was recently presented to the Supervisors.

COLUSA, Colusa Co., Cal.—L. S. Lewis, Colusa, at $1433, awarded contract by Supervisors to construct concrete roadway through DeJarnatt break, in Road Dist. No. 5. Only other bidder was Ward B. Esterley, Colusa, $1584. Chas. de St. Maurice, County Surveyor.

SANTA BARBARA, Cal.—Until 10 a. m., Sept. 23, bids will be received by County Supervisors for grading and graveling the road between Santa Ynez and Los Olivos in the 3rd Road Dist. Certified check for 10%. The road will be surfaced for a distance of 5 miles with 8 in. of gravel 16 ft. wide.

SACRAMENTO, Cal.—Until Sept. 22, 9 p. m., bids will be received by M. J. Desmond, City Clerk, for improving Santa Cruz Way from 5th to 8th Aves. by constructing concr. curbs and gutters, 2 cast iron gutter drains connecting same with 6-in. vit. sewer pipe, grading and paving with 5½ in. of asph. concr.

Separate bids, same date, for improving alley bet. Y and Burnett Way, 24th and 25th Sts., by constructing vit. pipe sewer with 17 6-in. vit. wyes. Certified check 10% payable to city required with each bid. Albert Givan, City Engineer.

LONG BEACH, Cal.—Plans have been practically completed for sewers in the largest district ever laid out in Long Beach. It comprises all that part of the city east of Redondo Ave. except the lowlands, which will be served by formation of a pumping district. About 15 miles of pipe will be laid in the new district.

LOS ANGELES, Cal.—Until 11 a. m., Sept. 26, bids will be received by Supervisors of Los Angeles County for improving portions of Haskell St., Craig Ave., Fairview Dr., Mountain Ave., Green Lane, Michigan Ave. and Commonwealth Ave., La Canada, in Road Imp. Dist. No. 198, by paving with 5-in. concr. and constructing cem. curb and gutter, reinf. concr. culvert and catch basin. The total length of streets to be paved is 1.38 miles and approximate quantities are: 16,976 cu. yds. excavation, 7287 lin. ft. shaping roadbed; 14,801 lin. ft. curb; 41,343 sq. ft. concr. gutter 5 in. thick and 3 ft. wide 18,341 sq. yds. concr. pavement 5 in. thick and 18 and 22 ft. wide; one reinf. concr. culvert. Materials are estimated at 5674 bbls. cem., 2528 tons sand, 4598 tons gravel, 12,669 lbs. reinf. steel and 1400 sq. ft. expansion joint. Average haul 2 miles from Montrose. Estimated contract price, $75,623.50. County will pay $10,000 of cost.

REDMOND, Ore.—Until Sept. 27, 2 p. m., bids will be received by Max A. Cunning, City Recorder, for constructing water system, from plans of Baar & Cunningham, consulting engineers, 414 Spalding Bldg., Portland, Ore. Alternate bids are to be submitted for two propositions. A gravity supply line 14 miles in length using 8 to 12-in. pipe is planned for the one proposition, while the other will be an electrically operated pumping plant to be constructed on the Deschutes River with eight discharge lines two miles long.

MARTINEZ, Contra Costa Co., Cal.—Supervisors will levy tax to construct sewers in Alhambra Sewer District. County Engineer R. R. Arnold estimates work to cost $5,992.52.

BEAUMONT, Riverside Co., Cal.—A proposition to pave the main streets through Beaumont is being considered by property owners.

COLUSA, Colusa Co., Cal.—Supervisors order following road improvements:

Grading and graveling Sulphur Creek road, $1000; graveling county road leading south from Arbuckle, $500; grading and graveling streets of College City, $500; graveling county road from Sycamore to Grimes, and Grimes-Arbuckle road, $2000; graveling the Maxwell-Sites road, and Fairview Mills-Orchard road, $2000; grading and graveling portions of county road beginning at the Colusa drawbridge and extending to Colusa-Glenn County line, $2,000. Chas. de St. Maurice, County Surveyor.

EL CENTRO, Imperial Co., Cal.—A compromise agreement on the county highway paving, drawn in the District Attorney's office, has been presented to the Imperial County Supervisors. Under its terms the contractors, Peterson, Dillon & Patterson, will be paid the balance due them under the original contract, about $60,000, and the contract will be cancelled and pending litigation will be dismissed. The uncompleted portion of the contract would amount to about $400,000.

BANNING, Riverside Co., Cal.—At a mass meeting of citizens it was decided to proceed with the proposed street paving on the basis of $1.50 per ft. front to be assessed against property owners and the balance of the cost to be covered by a general bond issue. About a mile of street on the State Highway will be paved. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, engineer.

PETALUMA, Sonoma Co., Cal.—Until Sept. 19, 7 p. m., bids will be received by Lyman Green, City Clerk, for constructing 5780 sq. ft. of concr. sidewalks in Main and Third Sts. Certified check 10% required with each bid. N. S. Frost, City Engineer.

SAN LEANDRO, Alameda Co., Cal.—Approximately 6980 ft. of 8-in. cast iron pipe will be required to furnish adequate fire protection to the manufacturing district, according to estimates of Fred J. Klaus, assistant chief engineer for the East Bay Water Co. This line will cost about $17,100. The estimate was submitted by the water company at the request of the City Trustees, who have taken the matter under advisement. R. H. Goodwin, City Engineer.

BAKERSFIELD, Kern Co., Cal.—Until Sept. 26, 10 a. m., bids will be received by F. E. Smith, County Clerk, for improving portions of County Road No. 273. Certified check 10% payable to county required with each bid.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specification for improving Tara St. from Ocean Ave. to Mt. Vernon; estimated cost, $26,680. Project involves 2420 cu. yds. cut; 2730 cu. yds. fill; 10 brick catchbasins; 30 lin. ft. 8-in. vit. pipe sewer; 3063 lin. ft. concr. curbs; 2240 sq ft. art. stone sidewalks; 12,000 sq. ft. concr. pavement; 37,720 sq. ft. asph. concr. pavement; 285 lin. ft. 10-in. vit. pipe culvert.

Specifications also completed for improving Cabrillo St bet. 33rd and 34th Aves., involving 2580 cu. yds. cut; 3 brick catchbasins; 1 brick manhole; 220 lin. ft. vit. pipe sewer; 15 8-in. vit. wye branches; 374 lin. ft. concr. curbs and 16,893 sq. ft asph. concr. pavement. Estimated cast, $9200.

CORCORAN, Kings Co., Cal.—City Trustees, G. G. Armiaux, Clerk, pass res. of int. to construct sidewalks and curbs in all unpaved portions of Hall Ave. between King and Letts Ave.

VENTURA, Ventura Co., Cal.—Hall & Yeoman of Ventura were awarded the contract for constructing a storm ditch along the Telephone road in the Saticoy Dist., involving 787 cu. yds. excav. at 82½c yd.; 178 cu. yds. plain concr. at $7.50 yd.; 52 cu. yds. reinf. concr. at $10 yd. and 3550 lbs. steel in place at 8.5c lb. The contract calls for about 850 lin. ft. ditch and it is expected about 1300 additional ft. will be built under the contract. The total work will amount to about $10,000. Other bids were: T. E. Hill & Co.—Excav. $1, plain concr. $12, reinf. concr. $22.50, steel 10c. J. P. Hunter—Excav. 70c, plain concr. $18, reinf. concr. $22, steel 9c. Archie Petre—Excav. 65c, plain concr. $11.75, reinf. concr. $12.75, steel 7.5c.

LONG BEACH, Cal.—Carlos Wilkins, 927 Linden Ave., was awarded contract for paving Liberty Ct. with one course concr. at 19c sq. ft.

GLENDADLE, Los Angeles Co., Cal. P. S. Tomich, 425 N. Fremont Ave., Los Angeles, was awarded contract at $20,808.10 for constructing sewers in Munic. Imp. Dist. No. 3. C. L. Hill, City Engineer.

VISALIA, Tulare Co., Cal.—A call for bids for construction of a city sewer system under the $100,000 bond issue voted some time ago will probably be issued this week, bids to be opened about Oct. 1 Bids will be taken for both vit. and cem. pipe. The proposed treatment plant will be constructed under a separate contract to be let later. L. H. Gadsey, City Engineer.

LODI, San Joaquin Co., Cal.—City Engineer L. F. Barzelotti completing plans for 24-in. outflowing storm sewer, approximately 15,000 ft. in length.

EAST SAN DIEGO, Cal.—B. B. Boyd, Box 213, East San Diego, was awarded the contract at $249,880 for constructing about 30 miles sewer laterals in East San Diego, involving 92,689 ft. 8-in. vit. and 60,343 ft. 8-in. cem. pipe; 541 ft. 6-in. and 132 ft. 8-in. cast iron pipe, 4257 8-in. Y branches, 443 concr. manholes and 53 concr. flush tanks. E. Paul Ford, City Engineer.

BERKELEY, Alameda Co., Cal.—Until Sept. 27, 4:15 p. m., bids will be received by Clyde E. Blanchard, Acting Secretary, Board of Education, 2133 Allston Way, for laying cement sidewalks, etc., at the new Lincoln public school at Prince and King Sts. Certified check 10%, payable to Board of Education required with each bid. Specifications on file in office of secretary.

VENTURA, Ventura Co., Cal.—County Surveyor Chas. Petit was instructed by Supervisors to prepare plans and spec. for paving on Poli and California Sts., Ventura, adjoining the court house; also for curbs and sidewalks at new county hospital and for improvement of sections of Foothill roads and road between Oxnard and Hueneme.

LOS ANGELES, Cal.—Following is a summary of bids received by County Supervisors for water works system for city of Lancaster with recommendations by Lancaster Chamber of Commerce, formal awards not having been made:

Cast iron pipe and specials—U. S. Cast Iron Pipe & Fdwy. Co., $12,269 (award recommended); American Cast Iron Pipe Co., $12,581.82; Thos. Haverty Co., $15,785.84; Keystone Iron Works, $477.04 (specials only); Adams Pipe Works, $13,235.64.

Wrought iron pipe and fittings—Mark-Lally Co., $6828.20 (award recommended); Grinnel Co., $8223.85; Thos. Haverty Co., $7177.86; Adams Pipe Co., $8026.50; Pacific Pipe Co., $4722.42 (no bid on 2-in. pipe); Smith-Booth-Usher Co., $7357.50 (pipe only).

Gate valves—Grinnel Co., $701.63 (award recommended); Adams Pipe Co., $928.29; Pacific Pipe Co., $939.50; Smith-Booth-Usher Co., $850.45; Mark-Lally Co., $781.42; Thos. Haverty Co., $1237.16; Water Works Supply Co., $977.31.

Fire hydrants and valves—Water Works Supply Co., $880.25 (award recommended); Thos. Haverty Co., $984.08; Adams Pipe Co., $971.25; Keystone Iron Works, $543.25 (no bid on valves); James Jones Co., $315 (valves only).

Installation of pipe and specials, including trenching and back filling and material for joints—R. F. Ware, 2126 E. 38th St., Los Angeles, $8984.02 for cem. joints and $9646.66 for lead joints (award recommended); Fowler & Meyers, San Fernando, $9802.08 cem. joints; Marko Matick, $11,016 cem. joints; M. & F. Pipe Line Contr. Co., $11,625.58 cem., $12,333.76 lead; Sidney Smith, $12,834.80 cem., $13,618.10 lead; Adams Pipe Co., $13,276.96 cem., $13,890 lead; Thos. Haverty Co., $18,148.56 cem.

Steel tank (75,000 gals.) and tower—Chicago Bridge & Iron Works $7050 4-in. dia. mud drum riser (award recommended); Pittsburg-Des Moines Steel Co., $7140; Llewellyn Iron Works, $7437.50. Baker Iron Works and Minneapolis Steel & Mach. Co. bid only for tank and tower with 3-in. C. I. riser pipe.

Constructing pumping plant and derrick—Hull Bros., Box 353, Lancaster, $1069.12 (award recommended); same firm bid on concr. work $17 cu. yd. for found. for tank, $20 corru. found. for pumps, 50c sq. ft. for floors. No other bids.

Well pump, fire service pump and motors—No decision; bidders were American Well & Prospecting Co., De Laval Co., Thos. Haverty Co., Byron Jackson Co., Layne & Bowler Co., Manitee Iron Works Co.

No bids received for drilling well; work will probably be given to R. H. Orr on force account.

Bid for sand trap will be rejected; not needed. F. G. Dessery and E. R. Bowen, Central Bldg., Los Angeles, consulting engineers.

FRESNO, Fresno Co., Cal.—Grant Rock and Gravel Co., Fresno, awarded contract by Supervisors for fur. and del. 5000 tons of gravel for county highways; 1000 tons delivered at Tranquility; 3000 tons to Dos Palos, and 1000 tons at San Joaquin. Chris. P. Jensen, Road Engineer.

NEWMAN, Stanislaus Co., Cal.—Warren Construction Co., Rialto Bldg., San Francisco, awarded contract by Orestimba High School District for improving portions of R and Kern Sts. Bids were: (Prop. 1) Grading, $.05 sq. ft.; 4-in. cement concr. pavement with 1½-in. Warrenite surface, $.31 sq. ft.; 16-in. part circle culvert, $4.25 lin. ft.; 24-in. manhole, $25; concr. curb, $.80 lin. ft.; headers, $.15; total, $9256.35. (Prop. 2) Grading, $.05 sq. ft.; 3-in. asph. base with 1½-in. Warrenite surface, $.259 sq. ft.; 16-in. part circle culvert, $4.25 lin. ft.; 24-in. manhole, $25; comb. curb and gutter, $1.30 lin. ft.; concr. curb, $.75 lin. ft.; headers, $.15; total, $8116.66.

Similar unit bids were received from the Warren Co. by the Newman Grammar School District for improving portions of Kern St. Action on these were postponed until Sept. 14. W. R. Sherman, Town Engineer.

RICHMOND, Contra Costa Co., Cal.—City Engineer H. D. Chapman preparing specifications for resurfacing 4th St. between Barrett Ave. and Cutting Blvd.

OAKLAND, Cal. — Hutchinson Co., 414 17th St., Oakland, awarded contract by Council to improve portions of 28th Ave., grading, $.0408 sq. ft.; concr. curb, $.75 lin. ft.; concr. gutter, $.25 sq ft; oil macadam pave, $.135 sq. ft. Geo. Mattis, City Engineer

BERKELEY, Alameda Co., Cal.—City Council, E. M. Hann, clerk, passes res. of int. to construct concr. curbs and gutters in Center St. from Shattuck Ave. to Grove St., concr. catchbasins, brick manholes and 10-in. vit. pipe sewers in portions of Center St. Imp. Act 1911. Protests Oct. 4.

Res. of int. also passed to construct concr. culvert 6 ft. 6 in. by 8 ft. in Strawberry Creek, across Jefferson Ave., and construction of a 12-in. vit. pipe sewer in Jefferson from the said culvert to Allston Way, concr. catchbasins, manholes, etc. Imp. Act 1911. Protests Sept. 27. C. L. Huggins, City Engineer.

SACRAMENTO, Cal.—J. F. Fitzpatrick, Sacramento, at $.33 1/3 cu. yd., awarded contract by Supervisors for grading portions of Sheldon-Wilton road. Other bidders were: Frank C. McIntyre, Stockton, $5910; J. F. Franklin, Stockton, $.47 cu. yd.; Thos Byrne, Sacramento, $.64 cu. yd.

T. M. Burns, 2207 N St., Sacramento, at $14 per yd., awarded contract to construct a portion of Highway No. 14: River road through the town of Courtland. Only other bidder was Thomas Byrne, Sacramento, $15.50 yd. Drury Butler, County Engineer.

SACRAMENTO, Cal.—Until Sept. 22, 9 p. m., bids will be received by M. J. Desmond, City Clerk, for constructing filtered water basin for Sacramento filtration plant. Basin will have a flat slab roof, to hold about 5,000,000 gallons of water. The base dimensions are 148 feet by 296 feet 10 inches and the over-all height is 19 feet 6 inches. Specifications on file in office of clerk and may be obtained from office of Filtration Division on deposit of $5. As previously reported, bids for excavating for the basin will be opened September 15.

FRESNO, Fresno Co., Cal.—City Council, R. Y. St. George, clerk, passes res. of int. to improve University Ave. from Van Ness Blvd. to Del Mar Ave. by grading, constructing concrete curbs, gutters and sidewalks, corrugated culverts and paving with 3½-in. asphaltic concrete base with a 1½-in. Warrenite-Bitulithic wearing surface. Imp. Act 1911. Protests Sept. 29. Wm. Stranahan, City Commissioner of Public Works.

(Continued on Page 31)

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1888	Hamill	Owner	4000
1889	King	Bauer	1500
1890	Holmgren	Owner	7000
1891	Mann	Merritt	900
1892	Shaw	Holmes	3500
1893	McIlhany	Muller	500
1894	Woods	Owner	6000
1895	Anderson	Owner	500
1896	McGrath	Coleman	875
1897	Fairmont	Owner	5000
1898	Schaerzer	Mattson	800
1899	Morton	Fontanella	1200
1900	Cahn	Clinton	1000
1901	Butershom	Foulkes	600
1902	Horgan	Horgan	2900
1903	Bergstrom	Owner	500
1904	Getz	Owner	4000
1905	Savage	Owner	37500
1906	Episcopal	Jenkins	1000
1907	Washington	American	84319
1908	Anglo	Otis	16830
1909	Lombardo	Spingola	4000
1910	Monsor	Schwartz	1500
1911	Michelotti	Siochetti	500
1912	Oceanside	Owner	2000
1913	Lyons	Dunham	1100
1914	Allen	Owner	10000
1915	Same	Same	10000
1916	Same	Same	10000
1917	Dabel	Owner	3500
1918	Lerner	Owner	850
1919	Kober	Owner	3000
1920	Dahlton	Diestel	1600
1921	Parker	Owner	500
1922	Pelicano	Owner	500
1923	City Rlty	Cox	8000
1924	Sibak	Haun	1000
1925	Heyman	Owner	3000
1926	Rising	Merritt	3000
1927	Dixon	Malloch	800
1928	Taubles	Hansen	6845
1929	Standard	Amer. Mbl	208000
1930	Morris	Rednall	22000
1931	Aronson	Mealey	26400
1932	Hamill	Owner	6000
1933	Oyen	Owner	6000
1934	Oyen	Owner	8000
1935	Acme	Owner	3500
1936	MacDonald	Allen	12000
1937	Gibson	Owner	10000
1938	Hammond	Owner	4000
1939	Lesser	Owner	32000
1940	Plant	Owner	700
1941	Maltese Ch	Owner	500
1942	Riley	Owner	500
1943	Williams	Owner	7500
1944	Jenkins	Polati	800
1945	Hagerhuden	Owner	2000
1946	Manning	Harrell	500
1947	Nevraumont	Weismann	950
1948	Blum	Dunham	500
1949	Hoeflich	Owner	5000
1950	McSheehy	Owner	3900
1951	Grannis	Grannis	30000
1952	Myers	Britt	5000
1953	Sbarboro	Schultz	950
1954	Ciocea	Ferroni	900
1955	Turco	Owner	600
1956	Dabel	Vukicevich	——

PERMITS

RESIDENCE
(1888) N BALBOA 82-6 E Thirty-third Ave. One-story and basement frame residence.
Owner—Thos. Hamill, 707 42nd Ave., San Francisco.
Architect—Milton Morrison, 716 41st Ave., San Francisco.
Day's work. $4000

ALTERATIONS
(1889) 1407 BUSH. Remove partitions and re-arrange for store.
Owner—H. King, 168 Southwood Drive, San Francisco.
Architect—None.
Contractor—L. A. Bauer, 65 Westwood Drive, San Francisco. $1500

FRAME FLATS
(1890) E EIGHTH AVE 30-4 N Cabrillo. Two-story and basement frame (2) flats.
Owner—Karl H. Holmgren, 1212 8th Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $7000

ADDITION
(1891) 727 EIGHTEENTH AVE. Add two rooms to dwelling.
Owner—F. Mann, Premises.
Plans by Contractor.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $900

REPAIRS
(1892) 2015 PACIFIC AVE. Painting; papering; general repairs and alterations for residence.
Owner—F. M. Shaw, Care Bank of California, San Francisco.
Architect—None.
Contractor—A. S. Holmes, 180 Jessie St., San Francisco. $3500

UNDERPIN
(1893) 741-743 SHOTWELL. Underpin and raise flats; concrete foundation, etc.
Owner—H. W. McIlhany, 745 Shotwell St., San Francisco.
Architect—None.
Contractor—W. F. Muller, 3118 22nd St., San Francisco. $500

RESIDENCE
(1894) E TWENTY-NINTH AVE 75 S California. Two-story and basement frame residence.
Owner—C. H. Woods, 2090 Jackson St., San Francisco.
Designer—T. I. Strand, 614 Broderick St., San Francisco.
Day's work. $6000

ADDITION
(1895) 3234 TWENTYSECOND. Addition for quick lunch resturant.
Owner—James Anderson, 3256 21st St., San Francisco.
Architect—None.
Day's work. $500

ALTERATIONS
(1896) S CHURCH 75 E Randall. Raise and make alterations for dwelling.
Owner—R. T. McGrath, 1891 Church St., San Francisco.
Architect—None.
Contractor—Coleman & Harris, 187 Farallones St., San Francisco. $875

ALTERATIONS
(1897) NW CALIFORNIA & POWELL Re-arrange and alter for store in hotel building.
Owner—Fairmont Hotel Co., Premises.
Architect — Reid Bros., California-Pacific Bldg., San Francisco.
Contractor—Not yet let. $5000

ALTERATIONS
(1898) 1921-23 ELLIS. Alter for basement garage, cement work, etc.
Owner—J. Schaerzer, 56 Cook St., S. F.
Architect—None.
Contractor—N. Mattson, 2156 15th St., San Francisco. $800

RETAINING WALL
(1899 SE HOWARD AND THIRD. Construct concrete retaining wall for hotel.
Owner—Dr. A. W. Morton, 601 Butler Bldg., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—Fontanella & Teza, 1682 Eddy St., San Francisco. $1200

ALTERATIONS
(1900) 555 HOWARD. Make provision for carrying sidewalk over basement, beams, etc.
Owner—Cahn, Washington St., S. F.
Plans by Contractors.
Contractor—Clinton Constr. Co., 145 Townsend St., S. F. $1000

GARAGE
(1901) 1514 O'FARRELL. One-story frame garage (4 machines).
Owner—Abraham Butershom, Prem.
Architect—None.
Contractor — Foulkes Bros., 1709½ Geary St., San Francisco. $600

RESIDENCE
(1902) SE PARIS 150 NE Russia. One story and basement frame residence.
Owner—Jane Horgan, 915 Pierce St., San Francisco.
Architect—None.
Contractor—P. Horgan, 915 Pierce St., San Francisco. $2900

LATHING, ETC.
(1903) SW PINE AND JONES. Lathing and plastering on exterior of apartments.
Owner—A. H. Bergstrom, Sharon Bldg., San Francisco.
Architect—None.
Day's work. $500

DWELLING
(1904) E SEVENTEENTH AVE 232 N Cabrillo. One-story and basement frame dwelling.
Owner—Sol Getz & Son, 24th Ave. and Lincoln Way, San Francisco.
Plans by Owners.
Day's work. $4000

APARTMENTS
(1905) W TWENTY-FOURTH AVE 150 N Lake. Three-story and basement frame (6) apartments.
Owner — W. A. Savage, 81 7th Ave., San Francisco.
Architect — Morrow & Garren, 1605 Chronicle Bldg., San Francisco.
Day's work. $37,500

ALTERATIONS
(1906) S VIENNA bet. Brazil and Persia. Raise and make alterations for church and social hall.
Owner—Episcopal Diocese of Calif. (Bishop Nichols), Corporation. Sole, 1215 Sacramento St., S. F.
Architect—None.
Contractor—J. Jenkins, 224 Falcon Ave., San Francisco. $1000

RECORDED

CLASS B BLDG.
(1907) NW WASHINGTON & GOUGH W 68-9xN 129-8¼. Excavation, concrete, steel, reinforcing, brick and flues, marble and granite, car-

penter, mill work, rough hardware, sheet metal, glazing, and roofing for seven-story, basement and attic Class B building.
wner—Two Thousand Washington St. Inc., Care Architect.
rchitect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
ontractor—Jos. Pasqualetti (as American Concrete Co.), Humboldt Bank Bldg., San Francisco.
iled Sept. 12, '21. Dated Sept. 6, '21.
Concrete poured to basement floor level.....$ 8,000.00
When 1st floor slab poured 6,750.00
When 2nd floor slab poured 5,600.00
When 3rd floor slab poured 5,600.00
When 4th floor slab poured 5,600.00
When 5th floor slab poured 5,600.00
When 6th floor slab poured 5,600.00
When 7th floor slab poured 5,600.00
Roof slab and fire walls poured 5,800.00
Standing finish on and cabinets in 2,750.00
Completed and accepted.... 6,339.25
Usual 35 days..... 21,079.75
TOTAL COST, $84,319.00
ond, $42,159.50. Surety, Maryland asualty Co. Limit, 200 days after ept. 14. Forfeit, none. Plans and pecifications filed.
NOTE:—Permit reported June 11, 21, No. 1317.

LEVATOR WORK
1908) W SANSOME 46-10¾ m or l N Sutter N 91-6xW 122-9. Elevator work for one-story Class A bank building.
wner—The Anglo & London Paris National Bank, Premises.
rchitect—Geo. W. Kelham, Sharon Bldg., San Francisco.
ontractor—Otis Elevator Co., Beach & Stockton Sts., San Francisco.
iled Sept. 12, '21. Dated July 30, '21. 30 days after signing contract.$3366
On shipment of new engines... 6492
On installation of elevator, engines and guides..... 4447
Completed and accepted..... 2525
TOTAL COST, $16,830
ond, $8415. Surety, National Surety o. Limit, as required. Forfeit, none. lans and specifications filed.

LTERATIONS
W CALIFORNIA & MONTGOMERY. Rearrange partitions in office.
wner—Clunie Estate, Premises.
rchitect—Alfred Henry Jacobs, 120 Sutter St., San Francisco.
ontractor—Ira W. Coburn, 180 Jessie St., San Francisco. $1500
NOTE:—Recorded contract reported Sept. 10, 1921, No. 1886.

PERMITS

RESIDENCE
1909) S GREENWICH 162-6 E Broderick. Two-story and basement frame residence.
wner—P. Lombardo and wife, 569 Filbert St., San Francisco.
lans by Contractor.
ontractor—A. Spingola, 2659 Greenwich St., San Francisco. $4000

FRAME STORES
1910) S GEARY 82-6 W 23rd Ave. One-story frame (2) stores.
wner—G. H. Monsor, 1350 Jackson St., San Francisco.
rchitect—None.
ontractor—C. Schwarz, 1440-A Hyde St., San Francisco. $1500

FOUNDATIONS
1911) E KIRKWOOD AVE 175 N Mendell. Construct foundations for dwelling.
wner—Joseph L. Michelotti.
rchitect—None.
ontractor—Guido Stochetti, 990 Key Ave., San Francisco. $500

HALL
(1912) S KIRKHAM 82-6 W 45th Ave. One-story frame community hall.
Owner—Oceanside Community Council, SE 48th Ave and Judah St., S. F.
Architect—None.
Day's work. $2000

ALTERATIONS
(1913) 314-318 SIXTH AVE. General alterations and repairs for dwlg.
Owner—Mrs. Lyons, 314 6th Ave., San Francisco.
Plans by Contractor.
Contractor—C. H. Dunham, 563 3rd Ave., San Francisco. $1100

RESIDENCE
(1914) S LAKE 80 W 29th Ave. Two-story and basement frame residence.
Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Day's work. $10,000

RESIDENCE
(1915) SW TWENTY-NINTH AVE & Lake. Two-story and basement frame residence.
Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Day's work. $10,000

RESIDENCE
(1916) SE THIRTIETH AVE AND Lake. Two-story and basement frame residence.
Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Day's work. $10,000

ALTERATIONS
(1917) E WALTER 93 N 14th. Rearrange flats for apartments.
Owner—Herman Dabel, 83 Walter St., San Francisco.
Architect—John F. Beuttler, 110 Sutter St., San Francisco.
Day's work. $3500

ALTERATIONS
(1918) 24 ELLIS. Reconstruct store front.
Owner—L. C. Lerner, Premises.
Architect—None.
Day's work. $850

DWELLING
(1919) W TWENTY-FIRST AVE 66 S California. One-story and basement frame dwelling.
Owner—K. Kober, 205 21st Ave., San Francisco.
Architect—None.
Day's work. $3000

REPAIRS
(1920) 406 UTAH. Repair fire damage to residence.
Owner—O. Dahlton, Premises.
Architect—None.
Contractor — John Diestel, 248 Russ Bldg., S. F. $1600

ALTERATIONS
(1921) 1611 FRANKLIN ST. Alterations for apartment.
Owner—A. C. Parker.
Architect—None.
Day's work. $500

MOVE DWELLING
(1922) 119 GUTTENBERG ST. Move dwelling 41 feet on same lot.
Owner—Frank D. Pelicano, 119 Guttenberg St.
Architect—H. Zanolini, 604 Montgomery St.
Day's work. $500

RESIDENCES
(1923) S KIRKHAM 95 and 120 E 7th Ave. Two one-story and basement frame residences.
Owner—City Realty Co., 46 Kearny St., San Francisco.
Plans by Owner.
Contractor—Cox Bros., 1375 9th Ave., San Francisco. $4000 each

ALTERATIONS
(1924) 832 NOE. Excavate, raise and make general alterations and repairs to dwelling.
Owner—M. Sibak, Premises.
Architect—None.
Contractor—C. C. W. Haun, 180 Jessie St., San Francisco. $1000

DWELLING
(1925) W NINETEENTH AVE 275 N Cabrillo. One-story and basement frame dwelling.
Owner — Oscar Heyman & Bro., 742 Market St., San Francisco.
Plans by Owners.
Day's work. $3000

ALTERATIONS
(1926) NW SIXTH AND MISSION. Remodel, etc., for cigar store.
Owner—Rising & Scheffer, 6th and Mission Sts., San Francisco.
Architect—None.
Contractor—G. M. Merritt, 3014 Geary St., San Francisco. $3000

ALTERATIONS
(1927) NO. 3 TILLMAN PLACE. Alterations for art metal salesroom.
Owner—Dixon, Premises.
Architect—None.
Contractor—J. S. Malloch, 180 Jessie St., San Francisco. $800

RECORDED

RESIDENCE
(1928) NE TWENTY-NINTH AVE & Anza E 42-6 xN 70. All work for one-story and basement frame residence.
Owner—Mildred T. Taubles.
Architect—Wm. H. Crim, Jr., 251 Kearny St.
Contractor—H. J. Hansen, 180 Jessie St.
Filed Sept. 13, '21. Dated Sept. 6, '21.
Roof on.....$1711.25
Plaster completed 1711.25
Completed and accepted.... 1711.25
Usual 35 days 1711.25
TOTAL COST, $6845
Bond, $3423; surety, Walter E. Hansen, Geo. Bremer; forfeit, $5; limit, 70 days. Plans and specifications filed.

MARBLE WORK
(1929) SW BUSH AND SANSOME Marble work and marble mosaic floors for a 22-story and basement Class A office building.
Owner—Standard Oil Co., by Lindgren Co., Monadnock Bldg.
Architect—George W. Kelham, Sharon Bldg.
Contractor—American Marble and Mosaic Co., 25 Columbus Sq.
Filed Sept. 13, '21. Dated June 16, '21.
Monthly 90%
Usual 35 days.....10%
TOTAL COST, $208,000
Bond, $208,000; sureties, United States Fidelity & Guaranty Co.; forfeit, none; limit, 120 days. Plans and Specifications filed.

FLATS
(1930) SW GREEN AND FRANKLIN S 30 x W 110.4 All work for 2-story frame flats.
Owner—W. A. Morris, 2195 Green St.
Architect—None.
Contractor—W. W. Rednall, 2500 Filbert St.
Filed Sept. 13, '21. Dated Sept. 12, '21.
Frame up $5000
Brown coated 6000
Completed and accepted 5500
Usual 35 days 5500
TOTAL COST, $22,000
Bond, $11,000; surety, W. Holmes; forfeit, $10; limit, 90 days. Plans and specifications filed.

PARTITIONS
(1931) NE MISSION AND NEW MONTgomery Sts. Brick and terra cotta partitions for Crossley Bldg.
Owner—A. Aronson, Louis Metzger and Louis Schoenberg.
Architect—Mel I. Schwartz, Nevada Bank Bldg.
Contractors—Mealey & Collins, 180 Jessie St.
Filed Sept. 13, '21. Dated Sept. 7, '21.
When exterior brick work has reached 5th floor.....$5280
Entire exterior brick work completed 5280
All work completed..... 9240
Usual 35 days..... 6600
TOTAL COST, $26,400
Bond, sureties, forfeit, none; limit, 60 days; plans and specifications, none.

FLATS
(1932) W 5TH AVE 75 S Anza. Two-story and basement frame (2) flats.
Owner—Thos. Hamill, 707 42nd Ave.
Architect—Milton Morrison, 716 41st Ave.
Day's work. $6000

FLATS
(1933) E FUNSTON AVE 25 S Geary. Two-story and basement frame (2) flats.
Owner—Oyen & Midbust, 177 Caselli Ave.
Architect—None.
Day's work. $6000

FLATS
(1934) SE GEARY AND FUNSTON Ave. Two-story and basement frame (4) flats.
Owner—Oyen & Midbust, 177 Caselli Ave.
Architect—None.
Day's work. $80000

ALTERATIONS, ETC.
(1935) SW GREENWICH & SANSOME Sts. Alterations and repairs for ice cream factory.
Owner—Acme Ice Cream Co., 1313 Sansome St.
Architect—August Nordin, Mills Bldg.
Day's work. $3500

FLATS
(1936) E 22ND AVE 150 N Lake. Two-story and basement frame (2) flats.
Owner—Graeme MacDonald, care architect.
Architect—Earle B. Bertz, 68 Post St.
Contractor—Allen & Co., 168 Sutter St. $12,000

RESIDENCES
(1937) W 32ND AVE 360 and 390 S Lincoln Way. Two 1-story and basement frame residences.
Owner—R. N. Gibson, 424 Ellis St.
Architect—Owner.
Day's work. $5000

RESIDENCE
(938) W 22ND AVE 250 S Anza. One-story and basement frame residence.
Owner—L. B. Hammond, 151 26th Ave.
Architect—None.
Day's work. $4000

FLATS
(1939) N WEST CLAY 40 W 26th Ave. Two-story and basement frame (3) flats.
Owner—A. M. Lesser, 110 21st Ave.
Architect — Norman Coulter, Maskey Bldg.
Day's work. $32,000

ADDITIONS
(1940) NE DOUGLASS & TWENTY-fourth. Minor additions to residence.
Owner—William Plant, 4296 24th St., San Francisco.
Architect—None.
Day's work. $700

REPAIRS
(1941) 321 OAKDALE AVE. Repair church.
Owner—Maltese Church, Premises.
Architect—None.
Day's work. $500

REPAIRS
(1942) 1347-49 NATOMA. Repair fire damage to flats.
Owner—J. F. Riley et al, 717 Pacific Bldg., San Francisco.
Architect—None.
Day's work. $500

DWELLINGS
(1943) W NINETEENTH AVE 194-6 and 219-6 N Cabrillo. Two one-story and basement frame dwellings.
Owner—R. T. Williams, 402 Hearst Bldg., San Francisco.
Architect—H. C. Stoner, New Montgomery & Mission, S. F.
Day's work. $3750 each

GRADING, ETC.
(1944) 2267 UNION. Grading basement, underpinning, etc., for private garage.
Owner—Or. Matt Jenkins, 2262 Union St., San Francisco.
Architect—None.
Contractor—G. Polati, 2229 Union St., San Francisco. $800

RESIDENCE
(1945) W CORTLAND AVE 375 S Mission. One-story and basement frame residence.
Owner—John Hagerhuden, — Cortland Ave.
Architect—None.
Day's work. $2000

FOUNDATION, ETC.
(1946) 1120 ELM AVE. Concrete foundation; underpin; cement work, etc., for residence.
Owner—J. J. Manning, 1621½ Turk St.
Architect—None.
Contractor—C. D. Harrell, 1631 Golden Gate Ave. $500

REPAIRS, ETC.
(1947) 1530 HAIGHT ST. Raise present structure and make minor repairs.
Owner—E. Nevraumont, 199 Duboce Ave.
Architect—None.
Contractor—L. M. Weismann & Son, 1951 Market St. $950

REPAIRS, ETC.
(1948) 585 POST ST. Repairs and alterations for flat.
Owner—C. Blum.
Architect—Plans by contractor.
Contractor—C. H. Dunham, 563 3rd Ave. $500

RESIDENCE
(1949) E 16TH AVE 150 S Balboa. Two-story and basement frame residence.
Owner—Albert Hoeflich, 57 Geary St.
Architect—A. H. Knoll, Hearst Bldg.
Day's work. $5000

REPAIRS, ETC.
(1950) N 25TH ST 23 E Capp. General repairs for flats; interior and exterior alterations.
Owner—Jas. B. McSheehy, 1147 Dolores St.
Architect—None.
Day's work. $3900

RESIDENCES
(1951) W SPRUCE 54 and 81 S Jackson. Two 2-story and basement frame residences.
Owner—Mrs. Sophie Grannis, 2450 Steiner St.
Architect — Edward E. Young, 251 Kearny St.
Contractor — Fred R. Grannis, 2450 Steiner St. $15,000 each

FOUNDATIONS
(1952) — SUTTER 150 W Mason. Construct additional foundations for stores.
Owner—L. A. Myers, 68 Post St.
Architect—Samuel L. Hyman, 68 Post St.
Contractor—O. W. Britt, 1257 1st Ave. $5000

REPAIRS
(1953) 50 THE EMBARCADERO. Repair fire damage to store and pool room.
Owner—Andrews Sbarboro, 460 Montgomery St., San Francisco.
Architect—None.
Contractor—Schultz Constr. Co., 46 Kearny St., S. F. $950

ALTERATIONS
(1954) SW FILBERT AND MASON. Alter and repair store.
Owner—E. Ciocea, Premises.
Architect—L. Mastropasqua, 580 Washington St., San Francisco.
Contractor—G. Ferroni & Sons, 1926 Filbert St., San Francisco. $900

DWELLING
(1955) NO. 1955 LOMBARD ST., One-story frame dwelling.
Owner—Salvatore Turco, 2481 Lombard St., San Francisco.
Architect—None.
Day's work. $600

RECORDED

ALTERATIONS
(1956) 83 AND 85 WALTER ST. All work except painting, shades, lighting fixtures and wall beds for alterations to 2-story and basement frame bldg.
Owner—Herman Dabel, 83 Walter St.
Architect—Jno. F. Beuttler, 110 Sutter St.
Contractor — Vukicevich and Bagge, 180 Jessie St.
Filed Sept. 15, '21. Dated Sept. 14, '21.
Ready for plaster.....$1500
On completion, balance, plus... 375
TOTAL COST, Cost of Labor and Material plus 375
Bond, sureties, forfeit, none; limit, as fast as possible. Plans and specifications filed.
NOTE:—Permit reported Sept. 14, 1921, No. 1917.

COMPLETION NOTICES

SAN FRANCISCO COUNTY.

Recorded Accepted
Sept. 15, 1921—S LINE OF 21ST ST 90 E from Dolores 27.6 x 101. E. V. Lacey to O. E. Carlson.....Sept. 15, 1921
Sept. 15, 1921—NW BROADWAY & Sansome N 137-6xW 137-6. Union Trust Co tr Estate Elizabeth Strother decd to Joseph Pasqualetti (as American Concrete Co).....Sept. 15, 1921
Sept. 14, 1921—SE GOLDEN GATE Ave and Jones E 162-6 S 181-7⅝ SW 159-9 W 32-10½ N 275. Famous Players Lasky Corp to Eri H Richardson.....Sept. 13, 1921
Sept. 13, 1921—LOTS 18, 19, 20 AND 21 Blk 2981, Merritt Terrace. George N Merritt to J Prout.....Sept. 12, 1921
Sept. 13, 1921—N DUBOCE AVE 169-3 E Divisadero, Lot 25x111-3. M J McGovern to Wm H Grahn.....Sept. 12, 1921
Sept. 13, 1921—NE FORTIETH AVE and Geary. Dr. Salem W Goodale to Meyer Bros.....Sept. 12, 1921
Sept. 10, 1921—W EMBARCADERO 91-8 S Howard W 137-6xS 45-10. N M and Agnes Lowry and Isabel L Soule to Ward & Jones..Sept. 10, 1921
Sept. 10, 1921—NO. 3015 GEARY 50 ft.

from Blake, Lot 25x125. Ernesto Bendinelli to G Sangiacomo.....
.....Sept. 10, 1921
Sept. 10, 1921—LOT 18 BLK 2988, Claremont Court. E J Montgomery to whom it may concern.Sept 10, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
Sept. 14, 1921—E SCOTT 63 N Fell N 37-6xE 100 W A 436. Z Blachman vs Maud Warwick $505
Sept. 8, 1921—NE BUSH AND HYDE E 195 N 137-6 W 57-6 N 10 W 137-6 S 147-6. Palmer & McBryde vs St. Francis Hospital Co, A J Reeder & Thomson Bridge & Foundation Co
.....$579.31

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
3076	Voger	Graham	3000
3077	Schlanker	Isakson	3000
3078	Martinez	Owner	700
3079	St. Paul	Texdahl	4500
3080	Mantlock	Davis	1385
3081	Buchanan	Owner	500
3082	Drober	Johanson	2500
3083	Reeves	Sutton	1500
3084	Miller	Mortenson	2500
3085	Quandt	Jordan	3500
3086	Bell	Owner	2000
3087	Hyde	Owner	450
3088	Southwick	Owner	500
3089	Megas	Woods	1400
3090	Henshaw	Corbett	800
3091	Kellogg	Moore	700
3092	Olsen	Owner	2800
3093	Olsen	Owner	2800
3094	Bliss	Johnson	580
3095	St. Patrick's	Powers	900
3096	Owens	Van Ness	2500
3097	Pattee	Owner	500
3098	Boell	Nunes	11200
3099	Westphal	Stolte	3300
3100	Westphal	Stolte	3300
3101	Whitney	Simmonds	3500
3102	Wilson	Pearson	500
3103	Heans	Bowen	900
3104	McDonald	Shaw	1000
3105	Spence	Schmitt	450
3106	Brennan	Brennan	7000
3107	Lehman	Owner	4250
3108	Sullivan	Groden	500
3109	Noble	Owner	3500
3110	Chandler	Ernsberger	19750
3111	Prosser	Rose	6000
3112	Bullock	Bullock	2409
3113	Stowers	Bruck	464
3114	Jones	Rutherford	3600
3115	De Neef	Owner	400
3116	Edison	Owner	3500
3117	Bailey	Owner	800
3118	Von Ah	Owner	3200
3119	Holy Names	Duval	2600
3120	Andrew	Owner	2000
3121	Lee	Kluse	400
3122	Bailey	Owner	11000
3123	Carpenter	Short	13100
3124	Bkly Bd Ed	Barrett	13000
3125	Francis	Owner	3000
3126	Narbett	Owner	54300
3127	Woodcock	Schmidt	4000
3128	Barberia	Richazza	400
3129	Houck	Owner	5000
3130	Meline	Owner	800
3131	Henrahan	Sommarstrom	900
3132	Mansean	Owner	9000
3133	Simpson	Owner	700
3134	Schnepple	Owner	2500
3135	Leese	Strang	500
3136	Gartland	Strang	500
3137	Hengen	Bishop	12000
3138	Chapman	Peters	500
3139	Chambers	Owner	500
3140	Fenton	Peters	3500
3141	Same	Same	3500
3142	Same	Same	3500
3143	Herrick	Bishop	5000
3144	Deuble	Atterbery	3000
3145	Blabon	Owner	1500
3146	Kepple	Owner	3000
3147	Moe	Owner	4200
3148	Kimball	Owner	4600
3149	Montoux	Magamini	2360
3150	Nelson	Owner	3500
3151	Yankow	Davis	3650
3152	Hamilton	Owner	4000
3153	Burk	Scott	15444
3154	Sparks	Owner	1800
3155	Weston	Owner	4000
3156	Scott	Owner	500
3157	Werner	Owner	2000
3158	Sigwald	Owner	6000
3159	Graves	Owner	400
3160	Flaherty	Owner	1500
3161	Maynard	Short	4500
3162	Banhofer	Flittner	3600
3163	Garfinkel	Hopper	600
3164	Crellin	Owner	6000
3165	Veen	Moe	400
3166	Koester	Owner	4000
3167	Banhofer	Flittner	3850
3168	Pollard	Stolte	16500
3169	Sigma	Pearson	3490

PERMITS

DWELLING
(3076) S MANGLES 100 E 35th Ave., Oakland. One-story 5-room dwelling.
Owner—C. H. Voyer, 4711 E. 14th St., Oakland.
Architect—None.
Contractor—C. H. Graham, 4455 46th Ave., Oakland. $3000

DWELLING
(3077) E 9TH AVE 50 S E-17th St., Oakland. One-story 5-room dwelling.
Owner—Mrs. Amanda Schlanker, 722 E. 15th St., Oakland.
Architect—None.
Contractor—Isakson & Sons, 3060 Dellview Ave., Oakland. $3000

DWELLING
(3078) S REDWOOD RD 300 E 39th Ave., Oakland. One-story 4-room dwelling.
Owner—Manuel Martinez, premises.
Architect—None.
Day's work. $700

AUDITORIUM
(3079) S 28TH ST bet Webster and Telegraph, Oakland. One-story 3-room auditorium.
Owner—St. Paul Lutheran Church, 411 28th St., Oakland.
Architect—None.
Contractor—C. Texdahl, 5375 Belgrade Pl., Oakland. $4500

ALTERATIONS
(3080) 722 WASHINGTON, Oakland. Alterations.
Owner—M. Mantlock, Cottonwood, Cal.
Architect—None.
Contractor—A. L. Davis, 2626 Union St., Oakland. $1385

DWELLING
(3081) W WHITTLE AVE 140 N Whittle, Oakland. One-story 4-room dwelling.
Owner—E. T. Buchanan, 3426 Boston Ave., Oakland.
Architect—None.
Day's work. $500

DWELLING
(3082) S BLAKE 200 W Milvia, Berkeley. One-story 4-room dwlg.
Owner—H. D. Drober, 2406 Channing Way, Berkeley.
Architect—None.
Contractor—G. Johanson, 1357 Northside Ave., Berkeley. $2500

DWELLING
(3083) 1221 CHANNING WAY, Berkeley. One-story 4-room dwelling.
Owner—R. E. Reeves, 1505 37th Ave., Oakland.
Architect—None.
Contractor—J. F. Sutton, 1176 Quigley St., Oakland. $1500

DWELLING
(3084) E GRANT 50 N Channing, Berkeley. One-story 5-room dwelling
Owner—R. C. Miller, 2337 Grant St., Berkeley.
Architect—None.
Contractor—M. B. Mortenson, Los Angeles. $2500

DWELLING
(3085) 1964 HOPKINS, Berkeley. One-story 6-room dwelling.
Owner—H. H. Quandt.
Architect—None.
Contractor—Jordan & Zeile. $3500

DWELLING
(3086) S STUART 400 W California, Berkeley. One-story 4-room dwlg.
Owner—Glenn R. Bell, 1433 Madison St., Oakland.
Architect—None.
Day's work. $2000

REPAIRS
(3087) 3384 ARKANSAS, Oakland. Repairs.
Owner—Theda W. Hyde, premises.
Architect—None.
Day's work. $450

ADDITION
(3088) 3774 ANGELO AVE., Oakland. Addition.
Owner—Mrs. M. E. Southwick, premises.
Architect—None.
Day's work. $500

ADDITION
(3089) 4560 E 14TH ST., Oakland. Addition.
Owner—Louis Megas, premises.
Architect—None.
Contractor—H. J. Woods, 4620 E. 14th St., Oakland. $1400

ALTERATIONS
(3090) 425 14TH ST., Oakland. Alterations.
Owner—W. G. Henshaw.
Architect—None.
Contractors—Corbett & Bayliss, 1110 Franklin St., Oakland. $800

ALTERATIONS
(3091) 897 52ND ST., Oakland. Alterations.
Owner—W. B. Kellog, premises.
Architect—None.
Contractor—C. T. Moore, 446 38th St., Oakland. $700

ALTERATIONS
(3092) S. E-12TH ST 27 W 7TH AVE., Oakland. Alterations.
Owner—Oregon-Calif. Amusement Co., premises.
Architect—None.
Contractor—G. W. Steffen, 194 Crosby Ave., Oakland. $500

DWELLING
(3093) S FORTY-THIRD 90 E Grove, Oakland. One-story 5-room dwlg.
Owner—Alfred Olsen, Everson Bldg., Oakland.
Architect—None.
Day's work. $2800

REPAIRS
(3094) 2604 HARRISON ST., Oakland. Repairs.
Owner—Mrs. Jennie McCall Bliss, 3904 Ruby St., Oakland.
Architect—None.
Contractor—Johnson, 1107 Willow St., Oakland. $580

REPAIRS
(3095) N TENTH bet. Peralta and Campbell, Oakland. Repairs.
Owner—St. Patrick's Parish, Premises.
Architect—None.
Contractor—J. J. Powers, 774 20th St., Oakland. $900

DWELLING
(3096) E TWENTY-THIRD AVE 39 N E-24th St., Oakland. One-story 4-room dwelling.

Owner—A. W. Owens, 835 Market St., San Francisco.
Architect—None.
Contractor—L. E. Van Ness, 433-A. R. F. D. No. 1, Oakland. $2500

DWELLING
(3097) W WHITTLE 250 N Wilbur, Oakland. One-story 2-room dwlg.
Owner—E. Pattee, 1930 Arthur St., Oakland.
Architect—None.
Day's work. $500

RECORDED

DWELLING
(3098) W MUIR AVE 140 N La Salle Ave N 60xW 150, Piedmont. All work for two-story frame dwelling
Owner—Victor A. and Lucille A. Boell Piedmont.
Architect—None.
Contractor—George W. Nunes, 5430 Dover St., Oakland.
Filed Sept. 12, '21. Dated Sept. 12, '21.
Deed of Trust .....
TOTAL COST, $11,200
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

DWELLING
(3099) N FORTY-SECOND 470.42 W Telegraph Ave W 75 NE 105.331 E 75 S 104.94, Oakland. All work for one-story frame dwelling.
Owner—Geo. Westphal, 394 Euclid Ave Oakland, and Soren Jensen, 1202 Colusa St., Berkeley.
Architect—None.
Contractor—F. C. Stolte, 3440 Laguna St., Oakland.
Filed Sept. 12, '21. Dated Sept. 12, '21.
Rafters in place..... ¼
Brown coated ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $3300
Bond, none. Limit, 80 days. Forfeit, none. Plans and specifications filed.

DWELLING
(3100) N FORTY-SECOND 470.42 W Telegraph Ave W 75 NE 105.331 E 75 S 104.94, Oakland. All work for one-story frame dwelling.
Owner—Geo. Westphal, 394 Euclid Ave Oakland, and Soren Jensen, 1202 Colusa St., Berkeley.
Architect—None.
Contractor—F. C. Stolte, 3449 Laguna St., Oakland.
Filed Sept. 12, '21. Dated Sept. 12, '21.
Rafters in place..... ¼
Brown coated ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $3300
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

DWELLING
(3101) 1722 HIGH ST., Alameda. One story 5-room dwelling.
Owner — M. E. Whitney, 2415 Buena Vista Ave., Alameda.
Architect—None.
Contractor—L. E. Simmonds, 3876 Fruitvale Ave., Oakland. $3500

ADDITION
(3102) 1745 HIGHLAND, Berkeley. Addition.
Owner—J. S. Wilson, Head Ridge Road, Berkeley.
Architect—None.
Contractor—Ben Pearson, 2403 Grant St., Berkeley. $500

ADDITION
(3103) 2509 McGEE, Berkeley. Addition.
Owner—R. M. Heans, Premises.
Architect—None.
Contractor—F. P. Bowen, 2027 Channing Way, Berkeley. $900

ADDITION
(3104) 420 SANTA CLARA AVE., Alamedt. Addition.
Owner—R. C. McDonald, Premises.
Architect—None.
Contractor—E. E. Shaw, 475 Central Ave., Alameda. $1000

ADDITION
(3105) 1627 SIXTY-SECOND, Berkeley Addition.
Owner—Mrs. L. H. Spence, Premises.
Architect—None.
Contractor—Carl Schmitt, 1614 Ward St., Berkeley. $450

DWELLING
(3106) W SPRUCE 150 N Virginia, Berkeley. Two-story 7-room dwlg.
Owner—G. A. Brennan.
Architect—None.
Contractor—J. P. Brennan, 1519 Hearst Ave., Berkeley. $7000

DWELLING
(3107) N TACOMA AVE 137½ W Colusa, Berkeley. One-story 5-room dwelling and garage.
Owner—J. Lehman, 959 Apgar St., Okd.
Architect—None.
Day's work. $4250

REPAIRS
(3108) 2806 VAN BUREN, Alameda. Repairs.
Owner—Sullivan, Premises.
Architect—None.
Contractor—Harder & Groden, 1578 Sanchez St., San Francisco. $500

DWELLING
(3109) 2630 WILLOW ST., Alameda. One and one-half-story 6-room dwelling.
Owner — G. H. Noble, 1301 Park St., Alameda.
Architect—None.
Day's work. $3500

APARTMENTS
(3110) NW TELEGRAPH & DWIGHT Way, Berkeley. Three-story 55-room Class "C" stores and apartments.
Owner — Mrs. H. E. Chandler, 2946 Claremont Blvd., Berkeley.
Architect—None.
Contractor—Frank A. Ernsberger, 177 Santa Clara Ave., Oakland. $49,750

STORE
(3111) E BROADWAY 320 N Orchard St., Oakland. One-story concrete store.
Owner—Dr. J. Lee Prosser, 45 Randwick Ave., Oakland.
Architect—None.
Contractor — Mervin P. Rose, 1645 Stuart St., Berkeley. $6000

DWELLING
(3112) S E-SEVENTEENTH 120 W 12th Ave., Oakland. One-story 4-room dwelling.
Owner—Bullock & Redman, 942 Bay View Ave., Oakland.
Architect—None.
Contractor—O. M. Bullock, 510 18th St., Oakland. $2400

ADDITION
(3113) 1232 FORTIETH AVE., Oakland. Addition.
Owner—M. Stowers, Premises.
Architect—None.
Contractor—Theo. T. Bruck, 1236 40th Ave., Oakland. $464

DWELLING
(3114) S FORTY-FOURTH 230 W West, Oakland. One-story 5-room dwelling.
Owner — Marie Jones, 1499 Jones St., San Francisco.
Architect—None.
Contractor — Thomas Rutherford, 985 35th St., Oakland. $3600

DWELLING
(3115) N HOPKINS 50 W Brown Ave., Oakland. One-story 2-room dwelling.
Owner—John De Neef, 44-A Angelica St., San Francisco.
Architect—None.
Day's work. $400

DWELLING
(3116) N HOPKINS ST. bet. McGee & Loma Vista, Oakland. One-story 5-room dwelling.
Owner—John Edison, 1215 Adeline St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(3117) E PATTERSON 350 N California, Oakland. One-story 3-room dwelling.
Owner—E. P. Bailey, 3351 Abbey St., Oakland.
Architect—None.
Day's work. $800

DWELLING
(3118) E 64TH AVE 240 N E-14th St., Oakland. One-story 5-room dwelling.
Owner—Peter Von Ah, 1901 64th Ave., Oakland.
Architect—None.
Day's work. $3200

ADDITION
(3119) NE COR 20TH AND WEBSTER Sts., Oakland. Addition.
Owner—Holy Names Convent, Premises.
Architect—None.
Contractors—Oliver Duval & Son, Dalziel Bldg. $2600

DWELLING
(3120) E 35TH AVE 212 S WISCONson, Oakland. One-story 3-room dwelling.
Owner—W. D. Andrew, 3908 35th Ave. Oakland.
Architect—None.
Day's work. $2000

GARAGE
(3121) 682 33RD ST., Oakland. Garage
Owner—T. T. Lee, premises.
Architect—None.
Contractor—Fred Kluse, 414 Moss Ave. Oakland. $40

DWELLINGS
(3122) S WALLA VISTA 270 and 32 W Lakeshore, Oakland. Two 2 story 7-room dwellings.
Owner—Fred E. Bailey, 1803 Carlton St., Berkeley.
Architect—None.
Day's work. $5500 each

RECORDED

APARTMENTS
(3123) W RAND AVE. 110 N Lak Park Ave 40x112 and 128, Oakland Two-story apartments (4), excep foundations, mudsills, basemen and basement steps, which are al ready in.
Owner—Mrs. Tillie Carpenter, 468 23r St., Oakland.
Architect—Hutchison & Mills, 151 Broadway, Oakland.
Contractor—C. W. Short, 245 Acton Pl Oakland.
Filed Sept. 12, '21. Dated Sept. 12, '21
Frame up 25
Plastered 25
Completed and accepted 25
Usual 35 days 25
TOTAL COST, $13,10
Bond, sureties, none; forfeit, $10; limit 90 days. Plans and specifications file

SCHOOL
(3124) SW MILVIA AND KITTRIDGE Berkeley. One and one-half-stor Class C school.
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, 1st Nationa Bank Bldg., San Francisco. $13,00

DWELLING
(3125) N BOND 127 E 45th Ave., Oakland. One-story 5-room dwelling.
Owner—E. O. Francis, 3910 E-14th St., Oakland.
Architect—None.
Day's work. $3000

APARTMENTS
(3126) NW BELLEVUE AND STATEN Aves., Oakland. Three-story 72-room apartments.
Owner—Jas. T. Narbett, Easton Bldg., Oakland.
Architect—Owner.
Day's work. $54,300

DWELLING
(3127) S BROOKLYN 86 W Athol, Oakland. One-story 6-room dwlg.
Owner—F. J. Woodcock, 725 Athol Ave., Oakland.
Architect—None.
Contractor—E. H. Schmidt, 2237 E-19th St., Oakland. $4000

STORE
(3128) 1913 CHESTNUT, Oakland. One-story store.
Owner—F. Barberia, Premises.
Architect—None.
Contractor—M. Richazza, 351 Filbert St., Oakland. $400

DWELLING
(3129) W EVANS 40 S Everett, Oakland. One-story 7-room dwelling.
Owner—H. L. Houck, 4409 Evans Ave., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(3130) E EIGHTY-EIGHTH AVE 190 S D St., Oakland. One-story 4-room dwelling.
Owner—Mrs. Emma Meline, Chico, Cal.
Architect—None.
Day's work. $800

GARAGE
(3131) 370 GRAND AVE., Oakland. One-story concrete garage.
Owner—R. Henrahan, Premises.
Architect—None.
Contractor—M. F. Sommarstrom, 1941 24th Ave., Oakland. $900

APARTMENTS
(3132) W GRAND AVE 200 N Bonham Way, Oakland. Two-story 12-room apartments.
Owner—J. J. and J. Mansean, 1949 E-27th St., Oakland.
Architect—None.
Day's work. $9000

DWELLING
(3133) W HAMMER 255 N Mt. Blvd., Oakland. One-story 4-room dwlg.
Owner—J. D. Simpson, Premises.
Architect—None.
Day's work. $700

DWELLING
(3134) E HARRINGTON, bet. San Juan and Galindo, Oakland. One-story 6-room dwelling.
Owner—Frank Schnepple, 1347 E-14th St., Oakland.
Architect—None.
Day's work. $2500

GARAGE
(3135) S LONGRIDGE ROAD 200 N Grosvenor Place, Oakland. Garage
Owner—W. Leese.
Architect—None.
Contractor—Fred Strang, Alameda. $500

GARAGE
(3136) N LONGRIDGE ROAD 200 W Calmar Path, Oakland. Garage.
Owner—James Garland.
Architect—None.
Contractor—Fred Strang, Alameda. $500

DWELLING
(3137) E LAGUNITAS AVE 200 S Perry, Oakland. Two-story 13-room double dwelling.
Owner—G. B. Hengen and P. O. Hunt, 431 Lagunitas Ave., Oakland.
Architect—None.
Contractor—J. B. Bishop, 811 Adams St., Albany. $12,000

GARAGE
(3138) 434 NEWTON, Oakland. Garage.
Owner—E. H. Chapman, Premises.
Architect—None.
Contractor—Peters & Hodgins, 184 Ridgeway Ave., Oakland. $500

ALTERATIONS
(3139) 171 SANTA ROSA, Oakland. Alterations and additions.
Owner—Geo. R. Chambers, Premises.
Architect—None.
Day's work. $500

DWELLING
(3140) N PERRY 135 E Van Buren, Oakland. One-story 4-room dwlg.
Owner—L. A. Fenton, 4099 Howe St., Oakland.
Architect—None.
Contractor — Peters & Hodgins, 184 Ridgeway Ave., Oakland. $3500

DWELLING
(3141) N PERRY 135 E Van Buren, Oakland. One-story 4-room dwlg.
Owner—L. A. Fenton, 4099 Howe St., Oakland.
Architect—None.
Contractor — Peters & Hodgins, 184 Ridgeway Ave., Oakland. $3500

DWELLINGS
(3142) N PERRY 135 E Van Buren, Oakland. Two one-story 3-room dwellings.
Owner—L. A. Fenton, 4099 Howe St., Oakland.
Architect—None.
Contractor — Peters & Hodgins, 184 Ridgeway Ave., Oakland.
$2750 each

ALTERATIONS
(3143) 606 SIXTY-SIXTH ST., Oakland. Alterations.
Owner—D. O. Herrick, 1076 10th St., Oakland.
Architect—None.
Contractor—J. B. Bishop, 811 Adams St., Albany. $5000

DWELLING
(3144) N SUTTER 240 E Eastman St., Oakland. One-story 4-room dwlg.
Owner—C. B. Deuble, 2165 31st St., Oakland.
Architect—None.
Contractor—A. R. Attebery, 2039 42nd Ave., Oakland. $3000

DWELLING
(3145) W SIXTY-THIRD AVE 80 S Fortune Way, Oakland. One-story 4-room dwelling.
Owner—E. R. Blabon, 2482 63rd Ave., Oakland.
Architect—None.
Day's work. $1500

DWELLING
(3146) W 62D AVE 252 S Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—W. S. Keple, 2633 63d Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(3147) E SANTA CLARA AVE 400 S Walla Vista Ave., Oakland. One-story 6-room dwelling.
Owner—Samuel Moe, 822 E-22nd St., Oakland.
Day's work. $4200

ALTERATIONS
(3148) NW COR 7TH AVE AND E 19th St., Oakland. Alterations
Owner—E. H. Kimball, Premises.
Architect—None.
Day's work. $4600

GARAGE
(3149) S 36TH ST. 150 E Grove St., Oakland. One-story tile garage.
Owner—Anne M. Montoux, 625 30th St., Oakland.
Architect—None.
Contractor—J. F. Magganini, 603 39th St., Oakland. $2360

DWELLING
(3150) E VAN DYKE AVE 227 S Brooklyn, Oakland. One-story 6-room dwelling.
Owner—Oscar Nelson, 228 Wayne Av., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(3151) W WHITNEY ST 145 N 65th St., Oakland. One-story 5-room dwelling.
Owner—J. Yankow, 1516 Harmon St., Oakland.
Architect—None.
Contractor—Davis & Davis, 1902 Henry St., Berkeley. $3650

DWELLING
(3152) S WENTWORTH AVE 460 E 54th Ave., Oakland. One-story 6-room dwelling.
Owner—A. L. Hamilton, 3041 Eastman Ave., Oakland.
Architect—None.
Day's work. $4000

RECORDED

APTS., GARAGES
(3153) SW 53RD AND GROVE STS., being Lot 12 Blk M Santa Fe Tract No. 4, Alameda, Cal. Two-story frame apartments and 3 garages.
Owner—Henry Burk.
Architect—Schirmer, Bugbee & Co., Thayer Bldg., Oakland.
Contractor—G. A. Scott, 685 23rd St., Oakland.
Dated Sept. 13, '21. Signed Sept. 8, '21
When sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $15,444
Bond, $7,722; surty, Globe Indemnity Co.; forfeit, none; limit, 100 days. Plans and specifications filed.
NOTE—Permit also applied for today.

DWELLING
(3154) E EDWARDS 282.33 N Channing Way, Berkeley. One-story 3-room dwelling.
Owner—H. E. Sparks, 2037 Hearst Ave., Berkeley.
Architect—None.
Day's work. $1800

DWELLING
(3155) N HOPKINS 180 W Napa, Berkeley. One-story 5-room dwelling.
Owner—John O. Weston, 1731 Dwight Way, Berkeley.
Architect—None.
Day's work. $4000

ADDITION
(3156) 653 CHETWOOD, Oakland. Addition.
Owner—Jas. T. Scott, Premises.
Architect—None.
Day's work. $500

DWELLING
(3157) N SAN LORENZO AVE 52 N Ensenada, Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. $2000

DWELLINGS
(3158) S AGUA VISTA 445 and 455 E 38th Ave., Oakland. Two one-story

frame dwellings.
Owner—J. W. Sigwald, 3038 Maine St., Oakland.
Architect—None.
Day's work. $3000 each

REPAIRS
(3159) 5494-96 COLLEGE AVE., Oakland. Fire repairs.
Owner—J. H. and Mary E. Graves, 2647 Ashby Ave., Berkeley.
Architect—None.
Day's work. $400

DWELLING
(3160) W 103RD AVE 375 N E-14th St., Oakland. One-story 4-room dwlg.
Owner—F. E. Flaherty, Premises.
Architect—None.
Day's work. $1500

DWELLING
(3161) S SANTA RAY 50 E Viona Ave. Oakland. One-story 5-room dwlg.
Owner—B. B. Maynard, Alameda.
Architect—None.
Contractor—C. W. Short, 245 Acton Pl., Oakland. $4500

DWELLING
(3162) W THIRTY-FIRST AVE 50 S E-13th St., Oakland. One-story 5-room dwelling.
Owner—Nickolaus Banhofer, 1500 35th Ave., Oakland.
Architect—None.
Contractor—Joe Flittner, 1700 35th Ave., Oakland. $3600

GARAGE
(3163) 529 37TH ST., Oakkland. Brick garage.
Owner—S. Garfinkel, 38th and Telegraph, Oakland.
Architect—None.
Contractor—M. E. Hopper & Son, 1117 Webster St., Oakland. $600

ALTERATIONS
(3164) NW COR 10TH AND WASHington Sts., Oakland. Alterations to hotel.
Owner — Crellin Estate Co., Central Bank Bldg., Oakland.
Architect—Walter Mathews, Call Bldg., San Francisco.
Day's work. $6000

GARAGE
(3165) 712 WALKER AVE, Oakland. Garage.
Owner—Quan Veen, Premises.
Architect—None.
Contractor—H. A. Moe, 864 56th St., Oakland. $400

DWELLING
(3166) SE COR WENTWORTH AND Fairfax, Oakland. One-story 5-room dwelling.
Owner—C. J. L. Koester & Son, 5356 Wentworth Ave., Oakland.
Architect—None.
Day's work: $4000

DWELLING, ETC.
(3167) W 31ST AVE 37.61 SW E 13th St NW 113.20 SW 37, Oakland. One-story 5-room dwelling and garage.
Owner—Nicholaus Bauhofer, 1600 35th Ave., Oakland.
Architect—None.
Contractor—Joe Flittner, 1500 35th Ave., Oakland.
Filed Sept. 15, '21. Dated Sept. 13, '21.
Frame up 25%
Brown coated 25%
Completed and accepted.....25%
Usual 35 days.....25%
TOTAL COST, $3850
Bond, $3850; sureties, Globe Indemnity Co.; forfeit, $2; limit, 60 days. Plans and specifications filed.

DWELLING, ETC.
(3168) LOT 25 MAP PIEDMONT Springs Tract, Piedmont, Alameda Co. Two-story frame dwelling and garage and outhouse.
Owner—Elsie Alma Pollard and L. R. Pollard, 4361 Edgwood, Oakland.
Architect—Francis H. Slocombe, 1st Sav. Bank Bldg., Oakland.
Contractor—Ferd C. Stolte, 3440 Laguna St., Oakland.
Filed Sept. 15, '21. Dated Sept. 15, '21.
Frame up $2500
Brown coated 3500
Completed and accepted..... 9000
Usual 35 days.....Bal.
TOTAL COST, Not Over $16,500
Contractor gets 5%.
Bond, sureties, forfeit, none; limit, 130 days. Plans and specifications filed.

SORORITY HOUSE
(3169) 2746 DWIGHT WAY, Berkeley Alter and add to sorority house.
Owner—Sigma Kappa Sorority Inc., Premises.
Architect—Creston H. Jensen, 3047 Benvenue Ave., Berkeley.
Contractor—Ben Pearson, 2403 Grant St., Berkeley.
Filed Sept. 15, '21. Dated Sept. 12, '21.
Plastered $1300
Completed and accepted..... 1315
Usual 35 days..... 875
TOTAL COST, $3490
Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Sept. 15, 1921—LOTS 21 & 22 BLK 7 Map Havencourt. Jose Correia to Arthur H. Peterson....Aug. 16, 1921
Sept. 14, 1921—MAIN ST. & SAN Pablo Ave., Albany. Southern Pacific Co to Hutchinson Co..... .....Sept. 13, 1921
Sept. 13, 1921—E 40 LOTS 1, 2, 3 and 4 Blk 6, Revised Map Claremont Avenue Tract, Okd. Kate Dawson to whom it may concern.Sept. 12, 1921
Sepe. 13, 1921—LOT 6 BLK "L" Map Fourth Avenue Terrace, Oakland. Estella M Fawke to Victor Gede... .....Sept. 8, 1921
Sept. 12, 1921—S OAKLAND Estuary 600 W Webster St. Bridge, Alameda. Standard Coal Co to S F Bridge Co .....Feb. 7, 1921
Sept. 12, 1921—W FILBERT ST 185 N 30th N 30xW 125, Okd. William G Bente to B. H. Easterley & Sons. .....Sept. 12, 1921
Sept. 10, 1921—LOT 8 and E 5 Lot 7 Blk T Newbary Tract, Berkeley. Noel W and Edgar R Parker to G A Scott.....Sept. 7, 1921
Sept. 10, 1921—HEARST & SHATtuck Aves, Berkeley. Southern Pacific Co to Hutchinson Co..... .....Sept. 9, 1921
Sept. 10, 1921—LOT 4 BLK 5, Thousand Oaks Station Tract, Oakland Tp. H H Schuessler to whom it may concern.....Aug. 31, 1921
Sept. 10, 1921—SW EUNICE AND Glen Ave W 79xS 90, Berkeley. Alfhild and Theo Larsen to H H Gastman .....Sept. 6, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Sept. 12, 1921—SW E-14TH ST W8TH Ave. NW 50 SW 100, Oakland. M. F. Beach vs. Eldon L. Parsons..$10
Sept. 12, 1921—NE 12TH & WASHington. Eureka Lumber & Mill Co. vs. J. H. Durst. G. M. Merritt $571.44
Sept. 10, 1921—LOT 16 BLK "E," Alameda Station Homestead Tract, Alameda. W J Clements vs Morono Morehouse $183
Sept. 10, 1921—LOT 21 BIK "E," Alameda Station Homestead Tract, Alameda. W J Clements vs Morono Morehouse $64.80

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amoun
Sept. 14, 1921—NE TWELFTH AND Washington, Okd. Eureka Mill & Lumber Co to George M Merritt & J H Durst .....$571.

HOMESTEADS

ALAMEDA COUNTY

Sept. 15, 1921—N 31ST ST 165 E Market St E 50 N 140, Oakland. Eva S. Walsh, wife of Miles William $49
Sept. 12, 1921—S THIRTY-SIXTH 860 E Telegraph Ave S 118.26xE 32, Oakland. James Pullman $33
Sept. 12, 1921—W EVERETT AVE 255.77 S Hampel S 40xW 100, Okd. Elsye London (wf Melville C)..$40
Sept. 10, 1921—NW THIRTY-NINTH Ave 390 NE Carrington NE 35xNW 120, Okd. Nellie E Sandeman (wf Geo F) $45
Sept. 13, 1921—NW BLVD. PARK Ave 100 SW Carrington SW 50xNW 120, Oakland. Florence E Kruse (wf George J).....$50
Sept. 13, 1921—PTN LOT 111 Map Oak Park Tract, Oakland. Rose Sullivan (wf Elliott M).....$50
Sept. 13, 1921—W WALNUT 40 S Virginia S 43-6xW 85, Berkeley. Martha H Harris (wf L A).....$61

BUILDING CONTRACTS

FRESNO COUNTY

GARAGE
904 YALE AVE., Fresno. Garage.
Owner—Matt Mathiesen.
Architect—None.
Contractor—L. J. Berg & Son, 19 Merced St., Fresno. $8

DWELLING
1616 DEL MAR AVE., Fresno. Dwe ing.
Owner—Carl Gustafson, Fresno.
Architect—None.
Day's work. $25

DWELLING
2601 GRANT AVE., Fresno. Dwelli
Owner—A. D. Trusdale, 225 Maripo Ave., Fresno.
Architect—None.
Day's work. $50

ADDITION
3734 GRANT AVE., Fresno. Add dwelling.
Owner—E. G. Blackburn, 316 Fres Ave., Fresno.
Architect—None.
Contractor—E. A. Dunston, Fresno. $

STORE
619 ANGUS ST., Fresno. Store.
Owner—Hawkins.
Architect—None.
Contractor—J. C. Clark, 3142 Lowe Fresno. $

DWELLING
1313 WELDON AVE., Fresno. Dw
Owner—Hughson, Swett & Reiss, 2 Tulare St., Fresno.
Architect—None.
Day's work. $

ALTERATIONS
1030 J ST., Fresno. Alterations.
Owner—M. Sanford, Fresno.
Architect—None.
Day's work. $

GARAGE
1111 ENGLEWOOD ST., Fresno. rage.
Owner—A. M. Gordel.

rchitect—None.
ay's work. $600

WELLING
25 NORTH VAN NESS AVE., Fresno. Dwelling.
vner—W. P. Heidwald, 1035 Fortt-camp St., Fresno.
rchitect—None.
ntractor—R. McIntosh. $6000

LTERATIONS
17 McKENZIE AVE., Fresno. Alterations.
vner—B. Mooney, 134 N-Third St., Fresno.
chitect—None.
ntractor—R. Pederson Co., 446 Clark St., Fresno. $1200

DDITION
09 ROOSEVELT AVE., Fresno. Addition.
vner—R. F. Graves.
chitect—None.
y's work. $700

DDITION
ABBY ST., Fresno. Addition
vner—Mrs. W. A. Williams, Premises
chitect—None.
ntractor—G. A. Beliuhe. $600

VELLING
0 FERGER ST., Fresno. Dwelling.
ner—B. F. Carter, 283 N-Mariposa St., Fresno.
chitect—None.
ntractor—C. L. Saylor, 3734 Illinois St., Fresno. $3000

VELLING
A ST., Fresno. Dwelling.
ner—Carl Vogt, Fresno.
chitect—None.
y's work. $1100

DDITION
SAFFORD ST., Fresno. Addition.
ner—J. Bergquist, 729 Safford St., Fresno.
chitect—None.
y's work. $500

HOOL
KINLEY SCHOOL DISTRICT. All work for brick and stucco school. (5 rooms and an auditorium).
ner—McKinley School District.
chitect—Swartz & Ryland, Rowell Bldg., Frseno.
ntractor—J. B. Hart, 1225 Broadway, Fresno.
d Sept. 12, '21. Dated Sept. 8, '21.
lonthly payments of..... 75%
'sual 35 days, balance..... 25%
TOTAL COST, $26,447
d, none. Limit, 120 days. Forfeit, e. Plans and specifications filed.

STALLING HEATING SYSTEM ON above.
ntractor—Barrett-Hicks Co., 1155 Broadway, Fresno.
r Sept. 12, '21. Dated Sept. 8, '21.
completed $900
alance on completion.....
TOTAL COST, $ 774
d, none. Limit, 120 days. Forfeit, e. Plans and specifications filed.

HOOL
AGUE SCHOOL DISTRICT, Fresno. All work except plumbing, roofing and exterior plastering for one-story brick 2-room school.
ner—Teague School District.
hitect—Swartz & Ryland, Rowell Bldg., Fresno.
tractor—Collman & Spiedel, 180 Jessie St., San Francisco.
d Sept. 8, '21. Dated Sept. 3, '21.
emi-monthly payments..... 75%
sual 35d ays, Balance..... 25%
TOTAL COST, $17,623
d, $3600. Sureties, Daniel R. Wagand Jas. H. Pinkerton. Limit, 90 s. Forfeit, none. Plans and specitions filed.

DWELLING
622 CLINTON ST., Fresno. Dwelling.
Owner—L. W. Works, 1527 La Salle St., Fresno.
Architect—None.
Contractor—Wolfe Oil Co., Fresno. $2500

DWELLING
3420 LOWE ST., Fresno. Dwelling.
Owner—E. C. Fairchild.
Architect—None.
Contractor—Wolfe Oil Co., Fresno. $3500

DWELLING
1816 F ST., Fresno. Dwelling.
Owner—Jas. Malnio, Fresno.
Architect—None.
Day's work. $750

AUDITORIUM
FRANKWOOD SCHOOL DISTRICT One-story 2-room and auditorium.
Owner—Frankwood School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—Louis Cereghino & Son, 180 Jessie St., San Francisco.
Filed Sept. 13, '21. Dated Sept. 8, '21.
Monthly 75%
Usual 35 days.....25%
TOTAL COST, $23,136.10
Bond, $11,568.05; sureties, G. B. Cordano and G. Mazzera; forfeit, none; limit, 90 days. Plans and specifications filed.

COMPLETION NOTICES

FRESNO COUNTY.

Recorded **Accepted**
Sept. 10, 1921—LOTS 5 AND 6 BLK 6, Alhambra Tract, Fresno. J A Wylie to whom it may concern... .....Sept. 7, 1921
Sept. 8, 1921—LOTS 20 AND 21 BLK 3, Van Ness Heights, Fresno. J E York to whom it may concern.... .....Sept. 3, 1921
Sept. 10, 1921—LOTS 8 AND 9 BLK —, North Park Terrace, Fresno. Geo F. Sharp to whom it may concern.....Sept. 10, 1921

LIENS FILED

FRESNO COUNTY

Recorded **Amount**
Sept. 8, 1921—LOTS 15 AND 16 S ½ of Lot 14 Blk 1, Duncan Addition, Fresno. L Rosenberg vs Irene C Joost and P S Parigian.....$215

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
5151 U ST., Sacramento. One-story 4-room dwelling.
Owner—M. Vieara, 515 U St., Sacramento.
Architect—None.
Contractor—C. Valine. $2000

DWELLINGS
2301 AND 2305 TWENTY-THIRD ST., Sacramento. Two one-story five-room dwellings.
Owner—Clara A. McLaughlin, Tavern Apts., Sacramento.
Architect—None.
Day's work. $3600 each

ALTERATIONS
2527 O ST., Sacramento. Reshingle roof and add sleeping porch.
Owner—Mrs. Carrie Higgins, 2527 O St., Sacramento.
Architect—None.
Day's work. $400

STATION
1200 J ST., Sacramento. Steel oil service station.
Owner—Standard Oil Co., Stockton Blvd., Sacramento.
Architect—None.
Day's work. $5000

BARBER SHOP
2999 FRANKLIN BLVD., Sacramento. Barber shop.
Owner—P. B. Rackliff, 3001 Franklin St., Sacramento.
Architect—None.
Contractor—A. L. Johnson, 3605 Portola Way, Sacramento. $3800

DWELLING
640 —— Street on Lot 27, Burlingame, Sacramento. One-story 4-room dwelling.
Owner —A. E. Williams, 4212 San Benito Way, Sacramento.
Architect—None.
Day's work. $1800

DWELLING
4819 V ST., Sacramento. One-story 4-room dwelling.
Owner—Jos. Edenhofer, 3300 2nd St., Sacramento.
Architect—None.
Day's work. $1700

ALTERATIONS
1111 NINTH ST., Sacramento. Change front of store.
Owner—Forum Investment Co., Prem.
Architect—None.
Contractor — Mathews Constr. Co., Forum Bldg., Sacramento. $2500

DWELLINGS
2973 AND 3975 THIRTY-SECOND ST., Sacramento. Two one-story 5-room dwellings.
Owner—A. J. Holmberg, 3208 Marshall Way, Sacramento.
Architect—None.
Contractor—A. L. Johnson, 3605 Portola Way, Sacramento. $2850 each

DWELLING
4810 U ST., Sacramento. One-story 4-room dwelling.
Owner—Annie F. Beere, 1858 48th St., Sacramento.
Architect—None.
Day's work. $1850

FRAME HOUSE
3000 O ST., Sacramento. One-story frame house.
Owners—Ratos Bros., 3001 O St., Sacramento.
Architect—None.
Contractor—Jos A. Saunders, 2810 I St., Sacramento. $3175

DWELLING
1409 41ST ST., Sacramento. Five-room dwelling.
Owner—W. F. Schwartzrock, 701 N St., Sacramento.
Architect—None.
Day's work. $4000

GARAGE
2541 TWENTY-SEVENTH ST., Sacramento. Frame garage and wood shed.
Owner—U. S. McGrew, Premises.
Architect—None.
Day's work. $2000

LIENS FILED

SACRAMENTO COUNTY

Recorded **Amount**
Sept. 10, 1921—S ½ OF E ½ OF W ½ Lot 6, J, K, 4th and 5th Sts., Sacramento. Superior Lumber & Fuel Co vs John Logan et al.....$209.47

BUILDING CONTRACTS

SANTA CLARA COUNTY

SCHOOL
NEAR GILROY. All work for one-story frame school building
Owner—San Ysidro School District, Gilroy.
Architect—Wyckoff & White, Salinas.
Contractor—Wm. Radke, Gilroy.
Filed Sept. 8, '21. Dated Aug. 24, 21.
1st floor joists oh.....$3650
Roof and outside walls sheathed 3650
Inside plastering finished..... 3650
Completed and accepted..... 3650
Usual 35 days..... 4873
TOTAL COST, $19,473
Bonds, 2, Specific performance, labor and material. Sureties, Jas. A. Chase and S. Hal Chase. Limit, none. Forfeit, $14,606. Plans and specifications filed.

INSTALL HEATING SYSTEM ON above.
Contractor — Anderson & Dougherty, Salinas.
Filtd Sept. 8, '21. Dated Aug. 24, 21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $1650
Bonds, 2, Specific performance, labor & material. Surety, United States Fideltiy & Guaranty Co. Limit, none. Forfeit, $1650, total. Plans and specifications filed.

PAINTING
LOT 3 OF SAN JUAN SUB OF STANford Campus, known as Tri Delta House, 32 Lausen, Stanford Campus. Painting.
Owner—Delta Delta Delta House Assn., Stanford University, Calif.
Architect—None.
Contractors—Burdon & Kirkhouse, 1426 McDonald Ave., Richmond, Calif.
Filed Sept. 12, '21. Dated Aug. 15, '21. When completed and accepted...$235
Usual 35 days..... 100
TOTAL COST, $335
Bond, sureties, forfeit, limit, plans and specifications, none.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Sept. 13, 1921—NE ½ OF LOT 9 and SW 35 ft. of Lot 8 Blk 30 of South Palo Alto, Palo Alto. I S Richards to G G Bertschi.....
Sept. 8, 1921—PTN LOTS 1 AND 21, Chapman & Davis Tract, San Jose. Ida R Thompson to whom it may concern.....Sept. 6, 1921

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

ALTERATIONS
JEFFERSON AND CENTER STS., Stockton. Remodel.
Owner—Nathan Sweet, 25 W-Worth St., Stockton.
Architect—None.
Day's work. $500

ALTERATIONS
127½ E-CHANNEL ST., Stockton. Remodel.
Owner — Berda C. Rohrbacker, 621 Channel St., Stockton.
Architect—None.
Day's work. $600
RESIDENCE
WEST JACKSON ST., Stockton. Residence.
Owner—C. Vigna.
Architect—None.
Day's work. $3200

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

Recorded Amount
Sept. 12, 1921—LOT 16 BLK 1, City of Lodi. E P Roper to J A Sleeth... .....Sept. 7, 1921

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Sept. 12, 1921—N 60 FEET LOT 6 and all of Lots 7 and 8 Blk 13, City of Tracy. W L Williamson vs John C Droge $163

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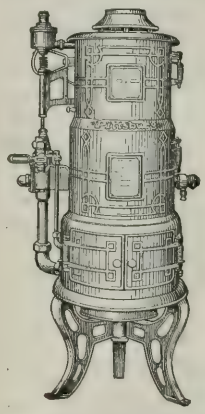
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COMPLETION NOTICES

SAN MATEO COUNTY

ecorded Accepted
pt. 14, 1921—LOTS 1 AND 2 BLK 13, Easton Addition to Burlingame, Burlingame. Wm B Curtis to M O Nicolaides.....Sept. 13, 1921
pt. 12, 1921—EASTERLY PORTION Lot 4 Blk 4 Map 2 Burlingame Land Co., Burlingame, Calif David Houle to whom it may concern. .....Sept. 10, 1921
pt. 8, 1921—LOT 10 BLK 28, Crocker Estate Tract No 1, Daly City. Jeam D East to whom it may concern.....Sept. 1, 1921

RELEASE OF LIENS

SAN MATEO COUNTY

ecorded Amount
pt. 8, 1921—COBURN RANCH, Pescadero. J R Pennington to C H Weideman $737

EWERS, STREET WORK, OADS & WATER SYSTEMS

(Continued from Page 21)

LOS ANGELES, Cal.—Following contacts for water system for town of ncaster were awarded by County Survisors:
Cast pipe and specials, U. S. Cast I. pe and Fdy Co., $12,269.27.
Wrought iron pipe and fittings, ark-Lally Co., $6828.29.
Gate Valves, Grinnell Co., $701.63.
Fire hydrants and Jones hydrant lves, $880.25.
Installation of pipe, trenching and ckfilling and material for joints, R. Ware, 2126 E. 38th St., $8984.02 em. joints).
Steel tank and tower, Chicago Bridge Iron Wks., $7050.
Constructing pumping plant and derick, Hull Bros., Box 353, Lancaster, 069.12. Concr. work to same firm $17 cu. yd. for found. for tank, $20 6lc yd. for found. for pumps and 50c ft. floors.
Turbine pump, Byron Jackson Co., 998; booster pump, same company, 447.

Drilling well, complete, including casing, etc., R. H. Orr, agreed price $3350.
F. G. Dessery and E. R. Bowen, Central Bldg., engineers.

UKIAH, Mendocino Co, Cal.—Geo. F. Edes, San Francisco, awarded contract by Supervisors for constructing the West End Nash and State Highway road beginning at Engineer's Station 54 and ending at Engineer's Station 118, 4325 feet. E. H. Smith, County Surveyor.

LODI, San Joaquin Co., Cal.—Clark & Henery Construction Co., 38 S. Sutter St., Stockton, at approximately $500,000 awarded contract by Trustees for improving Pleasant Ave. from Lockford to Locust; from Locust to Elm; from Elm to Pine; from Pine to Oak; from Oak to Walnut, and from Walnut to Lodi Ave.
Elm St from point 10 ft. west of Main St. to Cherokee Lane.
Stockton St. from Locust to Elm; Elm to Pine; Pine to Oak; Oak to Walnut; Walnut to Lodi Ave.
Church St. from Louie Ave to Lockford; Lockford to Locust; Locust to Elm; Elm to Pine; Pine to Oak; Oak to Walnut; Walnut to Lodi Ave.
Lockford St. from Pleasant to School; School to Sacramento; Sacramento to a point 125 ft. east; all by grading, constructing hydraulic combined concrete curbs and gutters and paving with 1½-in. Warrenite wearing surface on an asphaltic concrete base 2½ in. thick.
Unit bid, $.18½ sq. ft. paving, grading $.02 sq. ft. L. F. Barzelotti, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—County Clerk J. H. Wells instructed to call bids for macadamizing 2600 ft. of roadway leading from the State Highway to Crockett. R. R. Arnold, County Engineer.

LOS ANGELES, Cal.—Wm. Liddington, 420 E. 60th St., awarded contract at $65,857.07 for paving Norton Ave. betw. Wilshire Blvd. and Pico St. involving 223,006 sq. ft. grading at 2.9c ft.; 225,006 sq. ft. 6-in. concr. paving at 24c ft.; 2447 sq. ft. grading and oiling at 6c ft.; 1802 lin. ft. curb at 64c ft.; 1374 sq. ft. sidewalk at 20c ft.; catch basin at $420; 786 ft. house connection sewers at $1.25 ft.; wooden guard rail at $100. Other bids received by Board of Public Works were: A. D. Chalmers, $65,870.93; Tryon & Brain, $65,960; Geo. H. Oswald, $65,-[illegible] Wells & Brooker $70,780.[illegible]; Geo. R. Curtis, $73,274.66; engineer's estimate, $68,897.93.

SANTA CRUZ, Santa Cruz Co., Cal.—City Engineer James K. James instructed to prepare specifications for surfacing the new Soquel Ave. bridge.

SANTA CRUZ, Santa Cruz Co., Cal.—W. E. Miller, 81 Church St., Santa Cruz, at $23,248.73 submits low bid to City Council for improving portions of Bay St., involving 88,819 sq. ft. grading; 54,039.80 sq. ft. 5-in. concr. pavement; 1983.21 lin. ft. 6-in. vit. sewer; 896 lin. ft. 4-in. laterals; 68 wye branches; 9 brick manholes; 2856.87 ft. 12-in. concr. drain pipe; 12 combination catchbasins and manholes; 2 brick catchbasins. Merced Concrete Pipe Co. and John Kristich bid $29,-424.80. Taken under advisement. James J. James, City Engineer.

FRESNO, Fresno Co., Cal.—Geo. S. Benson & Sons, 247 Douglas Bldg., Los Angeles, submitted the lowest bids on two stretches of graveled road for the county highway system. Their bid on Route 1, Sec. C, part 1, was $101,960, involving 2500 cu. yds. grading at $1.50 yd and 22,200 tons gravel surfacing at $3.05 ton; on Route 1, Sec. C, part 2, $85,550, involving 500 cu. yds. grading at $5.50 yd. and 28,000 tons gravel surfacing at $2.85 ton. Frank L. Marks was low bidder on Route 1, Sec. C, part 3, at $75,616, involving 1500 cu. yds. grading at $1 yd. and 28,200 tons gravel surfacing at $3.38 ton.

NAPA, Napa Co., Cal.—Until Oct. 1, 10 a. m., bids will be received by Jas. A. Daly, County Clerk, for grading a portion of the county road in upper Chiles Valley, between the Henry Chiles house and the supervisorial district line between Districts 2 and 3, a distance of 3.2 miles. Edw. P. Ball, County Surveyor.

MARTINEZ, Contra Costa Co., Cal.—Warren Bros., Rialto Bldg., San Francisco, refuse to sign contract for paving Escobar St., claiming a mistake in the bid. The company claims to have figured the grading work by lineal feet instead of square feet. The bid is $24,026.17, which is practically the same of City Engineer T. D. Farley's estimate. Paul & Sayles of Martinez bid $28,463.05.

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SAN FRANCISCO, CAL., SEPTEMBER 24, 1921

Published Every Saturday
Twenty-first Year, No. 39

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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J. P. FARRELL, Managing Editor

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HOW BALTIMORE KEEPS RECORDS OF ITS PAVEMENTS

The importance of compiling and preserving accurate paving construction records cannot be overestimated. Realizing this, the Paving Commission of Baltimore has devised and compiled a map and file system, showing character of paving and details of construction as far back as information is accessible; some of the records dating from 1883, when Eutaw Place was paved with asphalt block on a sand base. The system was described as follows by Col. R. Keith Compton, chairman of the Commission in a recent address before the Engineers' Club of Philadelphia:

On the 200-ft. scale mile-square sheets, the various classes of paving are indicated by the conventional colors. On each section of work, the limits being marked by arrow points, is placed a small poster, indicating the department in charge of the work, the contract number, the date of completion and general reference to the details of the paving. These sheets are mounted on heavy cordboard filed vertically as swinging leaves in a metal filing cabinet, the immediate reference may be had to any section of the file by swinging back the leaves. The color scheme used on the maps is as follows: [illegible] brick, orange; bitulithic, dark green; bituminous concrete, purple; cement concrete, gray; [illegible] concrete base, [illegible] blue; granite block on sand, blue; [illegible] on [illegible] base, [illegible] pink; sheet asphalt, light brown; vitrified brick, red; and wood block, yellow.

Further records [illegible] drawers in the lower portion of the map case, are made on [illegible] cards, white cards [illegible] for [illegible] and on cards [illegible] green; [illegible] paving [illegible] for the length and the total area of work, details of contract, the beginning and completion of the work, the quantities of the various items of the work with the unit prices, the various brands of paving material and the previous paving of the area. The tables of intermediate lengths and width of street and street returns are on the back of the paving record card.

On the maps details are shown of even some of the oldest paving in the city, notably Eutaw Place, paved in 1883. The data on this old paving were obtained by reference to the annual reports for that year. In all cases where such reports did not give this information someone familiar with the paving was consulted for such details and, failing in this, a physical examination was made of the actual paving.

RETAIL LUMBER YARDS SHORT 4,500,000,000 FEET OF LUMBER

Retail lumber yards of United States are short 4,500,000,000 feet of lumber compared with their normal holdings, according to Charles S. Keith, a director of the National Lumber Manufacturers' Assn. and former president of Southern Pine Assn. Mr. Keith, who is also head of Central Coal & Coke Co., stock of which is listed on New York Exchange, says the average shortage at each retail lumber yard is 150,000 feet. There are about 30,000 retail lumber yards in the country.

Replenishments of stocks of retail lumbermen to a normal total would absorb more than 70 per cent of mill holdings in the United States, Mr. Keith says:

"Retail yards have not been buying lumber for three reasons," Mr. Keith said to the "Wall Street Journal" correspondent. "First, they could not collect their accounts. Second, the banks would not extend them credits. Third, prices have been falling."

"Now, however," he added, "conversion of wheat crop into money is relieving the first two conditions. I think it is a fact that lumber is stable. Price is not receding. So I think retail yards are going to replenish their stocks within the next five to seven months. We are at turn in the lumber industry. We rarely get an order today that is not followed within 24 to 48 hours by a wire urging us to ship immediately. This simply confirms condition of yards as reported by salesmen of various companies. I think we will soon see a better volume of lumber business at better prices and that 1922 will be a prosperous year for lumber industry."

DIGEST OF NEW FEDERAL HIGHWAY ACT

Digest of the new federal highway act, passed by the senate and now pending before the house, has been made by the office of C. H. Purcell of the federal bureau of public roads for the Oregon State Chamber of Commerce. This measure provides for an appropriation of $75,000,000 for primary and secondary highways and for $15,000,000 for forest roads. The appropriation for primary and secondary roads shall be distributed among the states as follows: One-third according to area; one-third according to population, and one-third according to mileage of rural delivery and star routes. The appropriation for forest roads shall be distributed relative to the needs of the various forests and to the area and value of the forest lands in each state.

The appropriation for primary and secondary highways will be distributed to match funds made available for highway construction by the respective states. Those states which are attempting to construct highway systems to connect with highways of other states will be given preferential consideration. As soon as the bill is finally enacted by congress, the bulk of the two appropriations will be made available and the remainder will be distributed before the expiration of the year.

CO-OPERATION OF ENGINEERS AND ARCHITECTS

Says Engineering and Contracting: "There has been difficulty enough in getting engineers and architects to co-operate, and there will be further future difficulties; but we believe that the two professions are coming into ever closer agreement and practical co-operation because such an end is to their mutual advantage.

"Jealousies either within or between professions are just about as harmful and disgusting as are private jealousies.

"There was no good reason for disagreement between engineers, architects, and contractors on the subject of the quantity survey; but because of the proportionately greater danger of disagreement on any subject among three parties than between two, there is just reason for satisfaction in noting that a joint committee of the American Institute of Architects, the American Engineering Council and the Associated General Contractors has brought in a unanimous report endorsing the quantity survey. Every such step makes succeeding steps easier, and even should one or more of the organizations unexpectedly reject the recommendation of the joint committee, the tree of co-operation and efficiency will have added to its growth."

LOCAL ENGINEER PERFECTS PLAN FOR DISTRIBUTING CONCRETE IN TUNNEL WORK

About fifty engineers representing various railroads and other industries where engineering is one of the most important departments, were guests of the San Francisco & Sacramento railroad September 7th to the Redwood Canyon tunnel.

Charles W. Mardel, Chief Engineer, and W. T. Richards, Construction Engineer of the San Francisco & Sacramento road, explained the new system of reinforced concrete tunnel lining while workmen placed a complete arch or rib in position.

The new system is the invention of Pierre Zucco, San Francisco Engineer.

A feature of the system is that the entire structure is manufactured in the daylight outside of the tunnel, afterwards being fitted into place much on the principle of the "knock-down" dwelling of late years.

In the present instance the ribs and [illegible] cost at the [illegible] company in the Rockridge district and installed at night after the heavy traffic of the day has been suspended.

The Observer

"To perpetuate California's glorious past, and to build for her glorious future, a mammoth memorial stadium will be built by the Associated Student Body of the University of California at Berkeley. Greater in size and capacity than the Coliseum of Rome, with a seating capacity of 60,000 persons, this imposing structure will be erected on the border of the campus.

Interesting, and wholly novel is the financial plan for this structure. Dollor for dollar return on subscriptions is assured, $100 scrip books, good for $100 in tickets to games, being issued for each subscription of that amount. These scrip books are good for a period of ten years, at the rate of $10 worth of tickets a year, for any athletic contests in the Stadium, including the annual "Big Game" at Berkeley or at Palo Alto. The subscriber also has reserved for his purchase seats in excess of those covered by this scrip.

Students are now engaged in preparing for a whirlwind campaign which will begin October 3, in which a statewide effort will be made to raise the necessary $1,000,000 within two weeks. A general committee, of which Governor William D. Stephens is chairman, has been appointed. The California alumni are organized into local committees for the direct solicitation of subscriptions. Every student is at work in some connection, each with the desire to make this great memorial stadium a reality.

Need for such a structure has been felt with growing urgency since the war. The university now stands as the largest in the United States, and the national athletic supremacy gained by her during the last year has made the need for a stadium even more pressing. Thousands were unable to secure admittance to the California-Stanford game last year.

But most fitting of all is the dedication of such a structure to California's dead heroes of the great war. In its entirety the memorial stadium will be a fitting field for the athletic contest of this greatest of universities, and a lasting memorial to the hero dead of the State.

It is with deep regret that the many friends of Grant Warren learn of his death on September 15, the result of an attack of blood poisoning. Mr. Warren, a credit man for the Henry Cowell Lime and Cement Company, had a host of friends in the building fraternity and was rated an invaluable man on the force of the Cowell concern.

Suit has been filed at Martinez by Jas. T. Narbett, Richmond architect, against Manuel Mederious of Crockett to enforce completion of a contract for a building erected by Narbett for the defendant. The complaint alleges the amount of the contract to be $15,000.

Press dispatches from New York says: Spruce lath has increased in price from $10.50 a thousand to $11.50 to $12. Cement stocks on hand are far below the reserve for other months this year. Brick prices here have advanced $1 a thousand to $16.

Clyde A. Griffin, secretary of A. C. Blumenthal & Co., is in Los Angeles attending to the details of a branch office in the Pacific Mutual Life Bldg., recently opened by that firm.

J. C. Oglesby, civil engineer of San Rafael, received his fifth appointment as a City Engineer when he was selected by the Trustees of San Anselmo to fill that position. Oglesby is also engineer for the towns of Mill Valley, Corte Madera, Larkspur and Sausalito.

Legal action will be taken against Kister & Johnson, sub-contractors on highway work near Vina, Tehama County, by Deputy State Labor Commissioner John S. Blair, unless immediate settlements are made with their employes, whom they paid with bad checks, it is alleged. Blair already has checks in his hands which aggregate $1,500 or more upon which payment was refused by the bank, because of insufficient funds in the name of the contractors.

James W. Stafford, prominent in business circles in Sacramento since coming to California in 1875, died in that city September 17, at the age of 69 after a lingering illness. He was retired from active business, having left the Franzier Lumber Co. about five years ago.

For the week ending September 10, 101 mills in Western Oregon and Western Washington report lumber production at 52,590,828 feet, which is 30 per cent below normal. New business totaled 42,967,786 feet. Shipments totaled 52,485,952 feet. For delivery by rail, new business included 1117 cars; rail shipments, 1127 cars. Unshipped balance in the rail trade was 2785 cars. In the cargo trade, domestic orders totaled 6,202,763 feet; export, 3,255,023 feet. Coastwise and intercoastal cargo shipments totaled 14,981,636 feet; export shipments, 3,694,316 feet.

Donald Bruce, associate professor of forestry in the University of California, has prepared a new volume table whereby the lumber content of white fir trees can be determined if the diameter and height of the trees are known. No satisfactory table of this sort has previously been available since this species has, until recently, been considered of little value. With the imminent shortage of lumber, however this species has been logged with a profit and its wood found to be satisfactory for many purposes. The table, which is based on careful measurements from nearly 12,000 trees, is published in Bulletin No. 329 of the Agricultural Experiment Station of the University of California. This bulletin may be obtained free of charge by writing to the College of Agriculture of the State University at Berkeley, Calif.

During the first six months of 1921, Japan was the best customer at the West Coast lumber mills, taking nearly 91 million feet. China was next with 69 million. Australia and the West Coast of South America took about 24 million each. The United Kingdom dropped to 18 million.

The Oakdale Irrigation District has decided to employ a water superintendent and not an engineer, as first planned, to succeed Burton Smith, who retires October 1. Milo J. Caton of Merced will probably be selected to fill the position.

All the paint manufacturing plants in Pittsburg, Pa., are operating in full. Some have been forced to operate overtime. Makers hold the opinion that the coming season will establish a new high record. Quotations are about $1.50 a gallon, wholesale, below last year's prices.

A. J. Wiley, consulting engineer for the Turlock and Modesto Irrigation Districts, will be asked to act in the same capacity for the Oakdale and San Joaquin Irrigation Districts in the construction of the Melones reservoir.

The Berger Manufacturing Co. of California has secured the services of H. A. Hargrave as sales manager of its fireproofing department in the southern section of the state. Offices will be maintained at 405 E. Second St., Los Angeles.

City of Piedmont, Alameda County, is planning improvements. The city council will call an election to decide the question of issuing $250,000 in bonds, $67,000 of which will finance sewerage repairs. Park improvements and increased school facilities will take up the balance of the issue.

The A W Quist Co, structural engineers and general contractors, Hoge Bldg, Seattle, want quotations for furnishing approximately 5,500,000 ft of lumber. The purpose for which the material is to be used has not been made public.

G. M. Roy, San Jose capitalist, is interesting railroads and industrial plants in a patented washer for locking nuts to bolts. The invention is the product of B. F. Hildebrand, a San Jose man. Roy is now in the East arranging for the formation of a $4,000,000 corporation to place the washer on the market. A factory to manufacture the product will be built in San Jose.

Men, said to be agents of the California Builders' Exchange, are operating in Sacramento in an effort to pave the way for the spread of the open-shop movement, according to a report received at the weekly meeting of the Federated Trades Council of Sacramento. L. G. Keating of the Piano Workers' Union declared he was approached by agents on the matter.

Reports to Bradstreet's from 145 cities of the United States show a total value of building permitted for in August of $145,850,330, a gain of 37.4 per cent over August a year ago and comparing with a total expenditure at 163 cities for July of $149,456,170. These returns point to a larger percentage of gain than has been shown in any previous month this year, or, indeed, since April 1920, a total for 145 cities little below that of all cities in July, the largest aggregate recorded since April a year ago, and the probability that August this year will furnish the fifth largest monthly total there is a record of. Interesting features of the detailed showing by groups of cities is that the northwest, southwest, far west and south showed gains over July, and that these groups with the addition of the middle group gained over August a year ago.

PRODUCTION OF ASPHALT INCREASES

The quantity of native asphalt and native bitumens sold in the United States in 1920 was 198,497 short tons, valued at $1,213,908, according to the United States Geological Survey, Department of the Interior. This was an increase of 125 per cent in quantity and of about 78 per cent in value over 1919. Gilsonite was reported from Uinta County, Utah, wurtzilite (or elaterite) from Duchesne County, Utah, and grahamite from Pushmataha County, Okla.

The sales of manufactured asphalt obtained from domestic petroleum amounted to 700,496 short tons, valued at $11,985,457, or $17.11 a ton. Compared with 1919 these figures indicate an increase of 14 per cent in quantity and 37 per cent in value.

The sales of asphalt manufactured in the United States from Mexican petroleum in 1920 amounted to 1,045,779 short tons, valued at $14,272,862, or $13.65 a ton. This was an increase of 55 per cent in value over 1919.

BLUMENTHAL CO. CLOSES LEASE FOR LEIGHTON INTERESTS

By a lease executed through A. C. Blumenthal & Company, Inc., exclusive agents for Loew State Building at Seventh and Broadway, Los Angeles, the Leighton Co-operative System has leased for a period of 15 years the restaurant and cafeteria in the basement of the 12-story Loew State and Theatre Building at a gross rental of over a half million dollars.

Mr. Leighton states that approximately $150,000 will be spent in this restaurant in the way of decoration, equipment, etc., occupying 10,000 square feet, and will be the finest cafeteria of its kind in the country.

This building, which is owned by Loews Inc. and Ackerman & Harris, will be ready for occupancy in about thirty days, and cost two and one-half million dollars. It is said to be paying the highest real estate rentals in the United States.

A. C. Blumenthal & Co., operating through their Los Angeles branch, are handling this building, and state that the total ground floor and basement have been leased with a total rental of $230,000 per year.

MARKET FOR RAILWAY-CONSTRUCTION MATERIAL AND EQUIPMENT

The construction of about 100 miles of 3-foot gauge railway in the Province of Ontario, Canada, has been definitely decided upon, according to a report by Vice Consul J. H. Wetmore, of North Bay, Ontario. It is planned to use oil-burning steel locomotives and rolling stick of about 15 to 20 tons' capacity. The road will serve about 3000 square miles of territory, containing many producing mines and about 11,000 mining claims. The region is said to contain gold, silver, barium, asbestos, feldspar, and copper, in addition to timber and pulp wood, farm land, and water power. The name of the company undertaking this project and other information may be obtained from the European Division, Bureau of Foreign and Domestic Commerce, by reference to No. 32861.

TRADE DEFINITION OF MILLWORK

Millwork is defined by the Southern Sash, Door and Millwork Manufacturers' Association in a circular just issued as follows:

"Millwork is considered to be that portion of wood building material only, shown and specified for the construction of buildings as is usually made in a sash, door, blind and millwork factory, clearly detailed to scale of not less than ¾ inch to the foot, and does not include anything in the way of rough or dressed framing lumber, flooring, ceiling, siding, grounds, furring, laths, shingles; no hardware of any nature, except sash pulleys and sash weights and cords for C. R. windows, no composition work of any nature, except column caps unless forming a part of and attached to some piece of millwork on to which it must be fixed at the shop, nor anything else of any nature not made of dressed finished lumber."

Out of every hundred pupils who enter public schools, 15 get through high school and only three finish college.

One Third of Big California Power Program Now Under Way

By MISS CLOTILDE GRUNSKY
(Member American Institute of Electrical Engineers; Associate Editor Journal of Electricity, San Francisco.)

A year ago, when the power companies of California were facing a power shortage brought about by the dry seasons of several successive years, they outlined a plan of plant construction for the next ten years which should take into account the probable growth of the State within that time and the increased demand for electrical power from homes and industries. One and a half million horsepower are to be added to the capacity of California companies within the coming decade under the plan as outlined, and $500,000,000 to be spent on water power development.

Since that time, 300,000 horsepower has actually been added to the developed power of the state and plants with a capacity of 250,000 horsepower more are now under construction and scheduled to be completed within the next ten months. In other words, the progcam is being carried out on schedule time. The present year has seen considerably more than its quota of one-tenth of the outlined program actually constructed, with a quarter of a million in additional horsepower available for the growing industries and home centers of the State.

Among the projects which have been completed within the past twelve months are the Kerckhoff plant, of the San Joaquin Light and Power Corporation, which added 45,000 horsepower to the service of the San Joaquin farms, and also the natural gas burning plant of the same company near McKittredge, with a capacity of 20,000 horsepower. An equipalent installation has been added to their Bakersfield plant, doubling its capacity.

In Southern California, the Southern California Edison Company has added three new important units, all of them completed during 1921. The first to come into service was the $10,000,000 plant on the Kern River with its 40,000-horsepower installation, supplying energy over the Greenhorn Mountains to Vestal substation, where it connects with the Big Creek line. Soon after this, a third unit with 22,000-horsepower capacity, was added to Big Creek plant Number Two. Big Creek Number Eight has just been completed with an initial capacity of 30,000 horsepower.

The Great Western Power Company completed its Caribou plant early this year. This has increased the capacity of the company's system by 59,000 horsepower, and has added a world's record to western engineering achievements by transmitting power at record-breaking voltage of 165,000 volts. Work on this project was started in June, 1919, and operation began May 7, 1921. It is located ten miles below Lake Almanor on the north fork of Feather River. The present installation comprises two 30,000-horsepower units, consisting of two overhung impulse wheels, each with 21 buckets, operating under a head of 1,008 feet, with a speed of 171.4 revolutions a minute. Each of the buckets on these wheels weights 1,000 pounds. The diameter of the jet which strikes them is 11 inches. These wheels and generator constitute a unit. Each unit weighs 290 tons; the revolving element of each unit weighs 170 tons. Transmission is by means of aluminum cables, nearly one inch in diameter, which transmit the power generated at the Caribou plant over double steel tower transmission lines 186 miles to the San Francisco Bay distributing area.

Even this record is to be broken by the Pacific Gas and Electric Company in its Pit River project, from which power is to be transmitted to San Francisco at 220,000 volts. This work is now under way, the great Pit River No. 1 project of 93,000 horsepower being assured for completion in July, 1922; the Hat Creek plant No. 1 being completed and in operation, and Hat Creek No. 2 so near completion that it is counted that it will be in operation within 30 days. This adds 20,00 horsepower to the Pacific Gas and Electric System. In addition, the Oakland steam plant of the company has been enlarged by a 15,000-horsepower unit, the little 1200-horsepower Spalding plant has been put into operation and an 8300-horsepower plant is under construction at Spring Gap on the Middle Fork of the Stanislaus River.

Among other power developments of the State, the Southern Sierras Power Company reports 28,750 horsepower now under way, with some of the work very near completion. In addition, there should be noted the 3350-H.P. Scott Dam plant of the Snow Mountain Water and Power Company and the construction work which is being carried on by the cities of Los Angeles and San Francisco. The San Francisquito plant brought in 47,000 horsepower late in 1920, and an additional 83,000 horsepower are under way on the Owens River and at Hetch Hetchy.

At the beginning of 1920, the total available horsepower in California power plants amounted to just about one million horsepower. This capacity has now been increased by 25 per cent and there is sufficient construction work actually under way in California power companies to bring this figure to one and one-half million horsepower within another year. When it is realized that an abundance of electric power is one of the basic pre-requisites for industrial and agricultural growth in this State, it becomes apparent what an opportunity has thus been opened for the future development of California.

Building News Section

APARTMENT HOUSES

Contract Awarded.
APARTMENTS Cost, $30,000
SAN FRANCISCO. N Pine 105 E Leavenworth.
Three-story and basement frame (12) apartments.
Owner—R. V. De Ryana, 1040 Lake St., San Francisco.
Architect—None.
Contractor—Republic Engineering Co., 1040 Lake St., San Francisco.

Contracts Awarded.
APARTMENTS Cost, $70,000
SAN FRANCISCO. W Stockton Street 91.6 N Bush Street.
Five-story and basement concrete apartment house (29 apts.).
Owner—L. B. Ham, 105 Montgomery St., San Francisco.
Architect—A. Merrill Bowser, Care Glass & Butner, Hearst Bldg., San Francisco.
Concrete work to Mission Concrete Co., Call Bldg., San Francisco.
Reinforcing steel to Gunn Carle & Co., 444 Market St., San Francisco.

Plans Being Prepared.
APT. HOUSE Cost, $30,000
SAN FRANCISCO. Larkin St.
Three-story frame and plaster apartment house (5 4-room apts.).
Owner—Name withheld.
Architect — Louis Mastropasqua, 580 Washington St.

Plans Being Completed.
APT. HOUSE Cost, $485,000
SAN FRANCISCO. NW Filbert and Hyde Sts.
Six-story Class "A" reinforced concrete community apartment house (28 apts.).
Owner—Capo di Monte, Inc., rep. by W. F. Chipman.
Architect—T. Patterson Ross, 310 California St.

Plans Being Prepared.
APT. HOUSE Cost, $——
SAN FRANCISCO. NW Jackson and Franklin Sts.
Eight-story fireproof community apartment house (8 9-room apts. with garages in basement).
Owner—H. M. Wood.
Architect—W. L. Schmol, 40 Montgomery St., San Francisco.

To Be Done by Day's Work.
APARTMENTS Cost, $55,000
SAN FRANCISCO. W. Hyde 100 S. Pine.
Four-story and basement brick (16) apartments.
Owner—D. J. Clancy, 2884 Folsom St., San Francisco.
Architect—None.

Plans Being Figured.
APT. HOUSE Cost, $——
LOS ANGELES. SE 10th St. and Grand Ave.
Three-story brick apartment house (51 rooms).
Owner—Wm. Rosenblatt.
Architect and Engineer—Edw. C. Taylor and Ellis W. Taylor, 713 W. 8th St., Los Angeles.
Figures are now being taken for the brick work, plumbing, gas radiation, and wiring. The remainder of the work will be done by day's labor under the supervision of the owner.

Contract Awarded.
APARTMENTS Cost, $13,000
OAKLAND, Alameda Co., Cal. W Brush St., 50 N 15th St.
Two-story 16-room frame apartments.
Owner—H. S. Brasker, 1534 Franklin St., Oakland.
Contractor — California Builders' Co., 1534 Franklin St., Oakland.

Sub-Figures to be Taken.
APARTMENTS Cost, $45,000
SAN FRANCISCO. S Pine 171-10 W Mason.
Three-story and basement frame (15) apartments.
Owner—Margaret Bell, 716 Funston Blvd., San Francisco.
Architect—Not Given.

Plans Being Prepared.
APARTMENTS Cost, $——
SAN LEANDRO, Alameda Co., Cal.
Two-story and basement brick apartment house.
Owner—Sylvain Godchaux.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Being Built by Day Labor and Segregated Contracts.
APARTMENTS Cost, $55,000
OAKLAND, Alameda Co., Cal. Bellevue and Staten Avenues.
Three-story and basement frame and stucco apartments (18 3, 4 and 5-room apts.) First unit.
Owner—Jas. T. Narbett.
Architect — Jas. T. Narbett, Easton Bldg., Oakland.
Heating Engineers—Leland & Haley.

BANKS

Plans to Be Prepared.
ANNEX BANK BLDG. Cost, $——
BERKELEY. Shattuck Ave. and Center St.
Two or 5-story Class A 40x100 annex to present office and bank building.
Owner—First National Bank.
Architect—John Galen Howard, 1st Natl. Bank Bldg., San Francisco.
Plans have not been started and construction is not expected to be under way for at least a year, as the property is under lease at the present time.

Contract Awarded.
STORE & BANK Cost, $40,000
SAN PEDRO, Los Angeles Co., Cal. Tenth St. and Pacific Ave.
One-story brick store and bank bldg.
Owner—California Bank.
Architects—Walker & Eisen, Pacific Finance Bldg., Los Angeles.
Contractor—Edwards, Wildey & Dixon, Black Bldg., Los Angeles.

BONDS

MADERA, Madera Co., Cal.—Supervisors sell $25,000 bond issue of Ripperdan School District; proceeds of sale to finance construction of a new school.

SAN JOSE, Santa Clara Co., Cal.—Supervisors sell $155,000 bond issue of Campbell-San Tomas School District; proceeds of sale to finance construction of a group of school buildings, plans for which are being prepared by Architect W. H. Weeks, 75 Post St., San Francisco.

HAYWARD, Alameda Co., Cal.—Bonds of $37,000 voted at a recent election in the Castro Valley School District to finance construction of a new school building.

VISALIA, Tulare Co., Cal.—Until Oct. 3 bids will be received by Supervisors for purchase of $12,000 bond issue of Locust Grove School District; proceeds of sale to finance construction of school improvements.

STOCKTON, San Joaquin Co., Cal.—Petitions are in circulation asking that an election be called to vote bonds for completing improvements at Agricultural Park for county fair purposes. About $300,000 will be required to finance additional buildings, including an agricultural pavilion, auto exhibit building, poultry building, band stand, etc.

SACRAMENTO, Cal.—Until Oct. 3 bids will be received by Supervisors for purchase of $20,000 bond issue of Bates Union School District; proceeds of sale to finance construction of a new school building.

SACRAMENTO, Cal.—Until Oct. 3 bids will be received by Supervisors for purchase of $80,000 bond issue of Courtland Union High School District.

OLINDA, Shasta Co., Cal.—Happy Valley Irrigation District sells $100,000 worth of bonds; proceeds to finance improvements in the district.

UKIAH, Mendocino Co., Cal.—Supervisors sell $45,000 bond issue of Willits Grammar School District; proceeds of sale to finance construction of new school building, plans of which were prepared by Architect Norman R. Coulter, 46 Kearny St., San Francisco.

CHURCHES

Plans Being Prepared.
CHURCH Cost, $50,000
SAN FRANCISCO. Ingleside Terrace.
One and two-story frame and stucco church (gymnasium, Ladies' Aid rooms, etc.).
Owner—Ingleside Community Church.
Architect and Contractor — Jos. A. Leonard, Pheland Bldg., S. F.
Sub-figures will be taken by Mr. Leonard in about a month.

Plans Being Prepared.
CHURCH Cost, $35,000
STOCKTON, Cal. NE San Joaquin and Clay Sts.
Frame church.
Owner—Clay Street Methodist Church.
Architect—Wright & Satterlee, Bank of Italy Bldg., Stockton.

FACTORIES & WAREHOUSES

Contract Awarded.
DEPOTS Cost, $8,000 each
SANTA CLARA & ALAMEDA COS. Irvington, Warm Springs, and Milpitas.
Three frame depots.
Owner—Western Pacific Railroad Co.
Architect—Eng. Dept. of owner.
Contractor — Unit Construction Co., Phelan Bldg., San Francisco.

Contractor to Take Sub-Figures Next Week.
DEPOT Cost, $40,000
SAN JOSE, Santa Clara Co., Cal.
One-story frame and stucco passenger and freight depot.
Owner—Western Pacific Railroad Co.
Architect—Eng. Dept. of owner.
Contractor—Unit Construction Co., Phelan Bldg., San Francisco.

Plans Being Prepared.
WAREHOUSE Cost, $——
LOS ANGELES. Western Ave. near 1st St.
Eight-story reinforced concrete storage warehouse 60x100.
Owner — Wilshire Fireproof Storage Co.
Architect—E. T. Flaherty, 435 I. W. Hellman Bldg., Los Angeles.

Contract Awarded.
ICE CREAM PLANT Cost, $200,000
LOS ANGELES, Cal. San Pedro St.
Two-story Class A reinforced concrete ice cream plant, 240x125.
Owner—Keeler-Comey Interests.
Archihect—Geo. W. Eldredge, Pacific Finance Bldg., Los Angeles.
Contractor—W. A. Heitman Constr. Co., 960 Merritt Bldg., Los Angeles.

Figures to be Taken Shortly.
FACTORY BLDG. Cost, $200,000
SOUTH SAN FRANCISCO.
One three and four-story reinforced concrete factory building.
Owner—Fontana Products Mfg. Co., 112 Market St., San Francisco.
Architect—P. Righetti, 12 Geary St., San Francisco.
NOTE:—Grading started.

Plans Being Figured.
DEPOT Cost, $250,000 to $300,000
PHOENIX, Arizona.
One and two-story reinforced concrete depot 475x122.
Owner—Santa Fe Railway & Arizona Eastern Railway Co.
Architect—W. H. Mohr, Kerckhoff Bldg., Los Angeles.

Sub-Figures to be Taken Shortly.
MACHINE SHOPS Cost, $15,000 each
SAN FRANCISCO. N Line [illegible] W. Larkin Street.
Two one-story brick machine shop buildings.
Owner—Henry Rosenfeld, 130 Montgomery St., San Francisco.
Architects—Macdonald & Kahn, 130 Montgomery St., San Francisco.
Contractor — Macdonald & Kahn, 130 Montgomery St., San Francisco.

Plans to Be Prepared.
PACKING HOUSE Cost, $150,000
SACRAMENTO, Cal. 5th and R Sts.
Two-story and basement reinforced concrete packing house, 80x160.
Owner—Virden Packing Co.; Chas. Virden, President.
Architect and Contractor—McGillivray Const. Co., Capital Natl. Bank Bldg., Sacramento.

Contract Awarded.
BRICK BLDG Cost, $18,000
SAN FRANCISCO. S. Jessie bet. 9th and 10th Sts.
One-story and basement brick renovating and cleaning dept.
Owner—F. Thomas Parisian Dyeing & Cleaning Works, 27 10th St.
Architect—None.
Contractor—C. T. Merchant, 180 Jessie Street.

MARYSVILLE, Yuba Co., Cal.—The Ellamore Ice Cream Co. of Marysville has been authorized by the Commissioner of Corporations to spend $[illegible]000 in the establishment of ice cream plants, one at Sacramento and another in Red Bluff, Tehama County. A plant costing $50,000 will be erected in Marysville, according to W. J. Moore, president of the concern.

EL CENTRO, Imeperial Co., Cal.—C. M. Gay & Son, 5650 Santa Fe St., Los Angeles, have the contract to construct a new ice plant for the Imperial Ice & Development Co. It is stated the cost of buildings and equipment will be $250,000.

WILMINGTON, Los Angeles Co., Cal.—The Union Oil Co. will commence construction this week on the administration and laboratory bldg. to be erected at Wilmington. The general contract will be executed by force account under the company's engineering department, Ralph J. Reed, chief engineer. The cost will be $256,000. John Galen Howard, San Francisco, is the architect. It has not been decided whether any new bids will be taken on sub-contracts or contracts awarded on bids received several months ago. Building will be 3 stories, 144x110 ft., reinf. concr. frame, brick exterior walls, reinf. concr. floors and rf., comp. roofing.

FLATS

Plans Completed—To be Done by Days Labor.
FLATS Cost, $12,000 each
SAN FRANCISCO. Funston Avenue near Lake Street.
Two two-story and basement frame and plaster flats (2 7-room flats with basement garage.)
Owner — Dr. John J. Kingwell, Butler Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Figured.
FLATS Cost, $12,000
SAN FRANCISCO. Fifteenth Avenue Bet. Anza and Geary Streets.
Two-story and basement frame (2) flats.
Owner—M. E. Austin.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Figured.
FLATS Cost, $——
SAN FRANCISCO. 15th Ave. near Geary.
Two-story frame and plastered flats.
Owner—S. Strepik.
Architect—H. C. Baumann, 241 Kearny St., San Francisco.

Contract Awarded.
FLAT & STORE BLDGS. Cost, $35,000
LOS ANGELES, Cal. 3rd Ave. and Washington St.
Two frame flat and store buildings, 16 rooms each and 5 stores.
Owner—Wm. R. Flood.
Architect—Not given.
Contractor—Chas. D. Wagner, 605 S. Western Ave., Los Angeles.

Plans Being Figured.
ALTERATIONS Cost, $5000
SAN FRANCISCO. Thirtieth Avenue and Clement Street.
Alter two-story frame residence into two 4-room flats.
Owner—W. Hall.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Figured.
FLATS Cost, $12,000
SAN FRANCISCO. Fifteenth Avenue & Geary Street.
Two-story frame and plaster flat building (2 6-room flats).
Owner—R. W. Callahan.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contract Awarded.
FLATS Cost, $[illegible]
SAN FRANCISCO. SW Ave. [illegible] Twenty-third Avenue.
Two-story and basement frame (4) flats.
Owner—Wm. McDonald, Fort Funston, Calif.
Architect—M. Morrison, 716 [illegible] Ave., San Francisco.
Contractor—Thos. Hamill, 707 42nd Ave. San Francisco.

To be Done by Day's work.
FLATS Cost, $[illegible]
SAN FRANCISCO. NE Lake St. and Twenty-fifth Avenue.
Owner — W. A. Savage, 81 7th Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

To Be Done by Days Work.
FLAT BLDGS. & RESIDENCES
Cost, $7000 each for flats and $4000 each for residences.
SAN FRANCISCO. N California 82 W 7th Ave E 15th Ave 288 S Anza, E 8th Ave 80.4 105.4 N Cabrillo, W 19th Ave 250 W Clement W 8th Ave 25-50 & 75 S Balboa and W 17th Ave 25 50-75 & 225 S Cabrillo.
Eight 2-story and basement frame (2) flat bldgs. and four 1-story and basement residences.
Owner—E. A. Janssen, 402 Hearst Bldg.
Architect—H. G. Stoner, 61 New Montgomery St.

To Be Done by Day's Work.
FLATS Cost, $10,000
SAN FRANCISCO. SW 30th Ave and California.
Two-story and basement frame (4) flats.
Owner—Edw. Ginley, 131 5th Ave.
Architect—None.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—The following bids were received by the chief of the Bureau of Yards and Docks, Navy Department, under Specification 4485, for dredging and filling at the naval base, San Diego, Calif.:

San Francisco Bridge Co., 14 Montgomery St., San Francisco, 20.15c, 200 days.

United Dredging Co., 3910 Woolworth Bldg., New York City, 21.3c.

SAN FRANCISCO.—Until Sept. 28, 11 a. m., bids will be received by U. S. Engineer, 240 Montgomery St., under Order No. 3294, for fur. and del. f. o. b. Rio Vista, Solano County:

50 gal. paint, outside white, in 5-gal. cans.
50 gal. paint, inside white, in 5-gal. cans.
20 gal. paint, outside black for wood, in 1-gal. cans.
20 gal. paint, outside black for iron, in 1-gal. cans.
2 gal. paint, gas engine enamel—green—in 1-qt. cans.
2 qts. paint, signal green, in 1-qt. cans (Marine).
2 qts. paint, signal red, in 1-qt. cans, (Marine).
1 gal. paint, aluminum, in 1-qt. cans.
10 gal. wood alcohol in 5-gal. cans.
18 gal. smokestack paint in 1-gal. cans.

WASHINGTON, D. C.—The following [illegible] Supervising Architect Treasury Department, Washington, for reroofing the U. S. public buildings at Fort Bay[illegible]

Johns-Manville, Inc., New York City, [illegible]

Newport Contracting & Engineering Co., Newport News, Va., $25,650.

[illegible] Ariz., $25,952.

Louis Van Dorp & Son, Topeka, Kans., $27,011.

H. S. Gilbert, Silver City, N. M., $29,-925.

Campbell Building Co., Salt Lake City, Utah, $42,700.

American Asphalt Roof Corp., Kansas City, Mo., $7 per C sq. ft. of surface covered.

SACRAMENTO, Cal.—Bids are being received by the Custodian of the Sacramento Post Office for miscellaneous repairs to the post office building. Time for opening bids not yet set.

PORTLAND, Ore.—J. S. Seed, Builders' Exchange, Portland, at $4,368 has been awarded a contract for elevator enclosure, wire partitions, etc., in the portland post office; time for completion of work 60 days.

SAN FRANCISCO.—Until Sept. 29, 11 a. m., under Order No. 3295, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del., wharf, Rio Vista, Solano County, miscellaneous hardware.

SAN FRANCISCO.—Until Sept. 29, 11 a. m., under Circular No. R. M. and F. 22-26, bids will be received by Quartermaster Supply Officer, Fort Mason, for fur. and del. paints, oils, varnishes, etc.

WASHINGTON, D. C.—San Francisco Bridge Co., 14 Montgomery St., San Francisco, awarded contract by Bureau of Yards and Docks, Navy Department, for dredging and filling at naval repair base, San Diego, Calif. Bid is $20.15 cu. yd.; time for completion of work, 200 days.

U. S. Engineer Office, San Francisco, lets contract to American Dredging Co., San Francisco, at $57,750 for dredging in San Rafael Creek.

WASHINGTON, D. C.—Ross Construction Co., 935 Forum Bldg., Sacramento, at $129,563, awarded contract by Bureau of Yards and Docks, Navy Department, Specification No. 4484, for constructing quay wall at San Diego, Calif.; time for completion of work, 150 days. Unit prices on items 2 and 3 also accepted.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at end of each paragraph:

Schedule 8684: For Mare Island and Puget Sound, 3,850 ft. unlined linen fire hose, 50-ft. lengths, without couplings; for Mare Island, 1,000 ft. do., 1½-in. diam., 25-ft. lengths, without couplings; for Mare Island, 27,350 ft. engineer and wash deck hose without couplings, 1½-in., in 25 and 50-ft. lengths; for Mare Island, 750 ft. galv. flexible steel fuel oil hose, 2-in. diam., 25-ft. lengths; for Mare Island, 960 ft. rubber hose with couplings, 3-in. diameter, 30-ft. length. October 11.

Schedule 8725, for various eastern and western navy yards, 108 electric toasters and 1 electric range, opening October 11.

Schedule 8745, for South Brooklyn and Norfolk, 11 bench jointers and planers; for Mare Island, 3 do., motor-driven, and for Norfolk, 8 bench type, hand-operated, wood trimmers, October 11.

Schedule 8746, for delivering at Mare Island, 12 air expulsion waterclosets, October 11.

Schedule 8748, for Mare Island, 15,-000 lbs. muntz metal sheets, October 11.

Schedule 8749, for Mare Island, Calif., 75,000 lbs. galv. corrugated soft sheet steel, October 11.

Schedule 8750, for delivering, f. o. b works of contractor, miscellaneous fire extinguishers and charges, October 4.

Schedule 8753, for Mare Island, 2,000 ft. telephone cable, October 4.

Schedule 8754, for Mare Island, miscellaneous insulating fibre, 12,200 fuse elements, 6,000 flanged heel globes, 500 receptacles, 200 lbs. hard sheet rubber, 4,500 cable terminals and 6 voltmeters, October 4.

Schedule 8755, for Mare Island, Calif., 1,300 sq. yds. heavy linoleum, October 11.

Schedule 8756, for Mare Island, Calif., 10,000 gals. kerosene oil in 50-gal. drums, October 11.

Schedule 8758, for Mare Island, 300 sheets window glass and 200 plates glass, October 11.

Schedule 8759, for Mare Island, 25,000 lbs. galvanized sheet steel, October 11.

Schedule 8760, for Mare Island, Calif., 4,680 lbs. white cotton twine, 8-ply, October 11.

Schedule 8761, for Mare Island, Calif., 5,000 sq. ft. upholstery leather, October 11.

WASHINGTON, D. C.—Union Construction Co., 604 Mission St., San Francisco, awarded contract by Bureau of Yards and Docks, Navy Department, for riprapping dike No. 2 at the Mare Island Navy Yard, under Specification No. 4390. Bid accepted: Item 1, $.74 cu. yd.; measured in place; time for completion, 250 days; unit price, item 3, $30 M, also accepted.

WASHINGTON, D. C.—The following bids were received on September 21st by the Bureau of Yards and Docks, Navy Department, for the erection of the steel for a machine shop building at Pearl Harbor, H. T., under Specification No. 4464:

C. B. Blume, 1311 6th Ave., San Francisco	$45,825
J. T. Walsh, San Francisco	51,219
Belmont Iron Works, Philadelphia	53,400
Chicago Bridge & Iron Works	94,000
Hawaiian Contracting Co., Honolulu	100,000
Hamilton & Chambers, New York	58,750
Donnel Zane, New York	51,326
W. F. Martens, Rochester	64,728
Pittsburg-Des Moines Steel Co., Washington	79,470

SAN FRANCISCO, Cal.—The following bids were received on September 21st by the Constructing Quartermaster at Fort Mason for changing High Tension Aerial Line to Cable through Tunnel at Fort Baker, Calif:

Geo. B. Messley and Lynwood J. Tinder, Sausalito	$ 695
H. S. Tittle, San Francisco	910
Standard Electric Constr. Co.	772
C. C. Severin	1148
Turner Co.	1300
Butte Elec. & Mfg. Co.	1400
Mark E. Ryan	2231

SAN FRANCISCO.—Until Oct. 11, 11 a. m., under Circular No. R.M.F. 22-27, bids will be received by Quartermaster Supply Officer, Fort Mason, for fur. and del. 8,000 gals. raw linseed oil; 6,000 gals. in 8-hoop wooden bbls. of about 50 gals. each and 2,000 gals. in 5-gal. tin cans.

SAN FRANCISCO.—Until Oct. 1, 11 a. m., under Order No. 3297, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. wharf, Rio Vista, Solano County, miscellaneous hardware.

SAN FRANCISCO, Cal.—The following bids were received on September 22d by the Constructing Quartermaster at Fort Mason for constructing Approach to Wharf at Fort Baker, Cal.:

R. S. K. MacMillen, 153-A Duncan St., San Francisco, submitted the lowest bid.	$3,841
Hannah Bros.	4,477
Owen McHugh	5,472
Healy-Tibbitts Constr. Co.	5,740
Tibbitts-Pacific Co.	5,858
A. Wegner	5,915
A. W. Kitchen Co.	6,200
Wm. Bruce	7,900

HALLS AND SOCIETY BUILDINGS

Bids Rejected—Plans Being Revised.
CLUB BLDG. Cost, $35,000
LODI, San Joaquin Co., Cal.
Two-story frame club building.
Owner—Lodi Woman's Club.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

All bids received were rejected and plans will be revised, making the structure wood construction instead of hollow tile. New bids will be called for in about a week.

The following is a list of the bids received:

Kroh & McPhee, Stockton	$43,396
D. C. Wright, Lodi	43,500
L. S. Peletz, Stockton	44,750
Hieb Bros., Lodi	45,950
W. J. Barnes, Lodi	48,820
John Bartlett, Oakland	50,847

FORT BRAGG, Mendocino Co., Cal.—The following bids were received by the Fort Bragg Community Center Corporation for the construction of a two-story frame community building to contain an auditorium, swimming pool, etc. Plans were prepared by Architect W. H. Weeks, 75 Post St., San Francisco. Cobby & Owsley, 180 Jessie St., San Francisco, submitted the lowest bid.

	1	2
Cobby & Owsley	$40,693	$2,350
John Morton	41,519	1,800
Dan Wagner	43,990	3,200
J. A. & L. R. Wilson	44,573	1,500
R. Trost	51,794	3,000
F. J. Mauer	56,639	.....

Heating

Scott Co.	$3,720
A. C. Rodoni	4,100
Carl T. Doell	4,292
Robt. Dalziel Jr.	4,417
Turner Co.	4,980

HOSPITALS

Plans Approved—Bids to Be Called Shortly.
HOSPITAL Cost, $——
EUREKA, Humboldt Co., Calif.
Tubercular Hospital.
Owner—County of Humboldt, Fred M. Kay, County Clerk.
Architect—Newton Ackerman, Eureka, Calif.

VISALIA, Tulare Co., Cal.—Visalia Plumbing Co., Visalia, at $21,810 awarded contract to install heating system for Tulare-Kings joint tubercular hospital at Springville, Tulare County. The contract for the building was awarded to W. C. Duncan Co., Sharon Bldg., San Francisco, at $12,-170. Other bidders were: Jas. A. Nelson, Scott Co., Taylor & Goericke, Turner Co., Frank J. Klimm, Mangrum and Otter, all of San Francisco; Frederickson and Shannon, B. A. Newman Co., both of Fresno; Horlock-Clow Co., Hanford, and D. B. Day of Woodlake.

PORTLAND, Ore.—E. B. White, Lumber Exchange Bldg., at $14,286 awarded contract for carpentry and Bingham and McClelland, Portland, the masonry work for the hospital and sanitarium to be erected at East 60th and Belmont

streets for the Seventh Day Adventists, plans by Architects Claussen and Claussen, Mackay Bldg., Portland. Low bid of Kilgren and Young, Portland, for general contract is $33,000.

SACRAMENTO, Cal.—In preparation for calling bids for a new unit of the Sacramento Hospital, the Board of Supervisors will hold a conference on September 28th with Architect R. A. Herold. It has been tentatively decided by the board to build a service building and children's ward as the next addition to the hospital. Bids were called and received on the service building, but were rejected because they were too high.

HOTELS

LOS GATOS, Santa Clara Co., Cal.—Van Noy Interstate Co., operating hotels and concessions through the U. S., is planning the erection of a modern fireproof hotel in the vicinity of Los Gatos. If a suitable site is obtained, the grounds will be improved with a large open air swimming pool, golf courses, polo field, etc. The Los Gatos Chamber of Commerce is assisting officials of the company in locating a site.

POWER PLANTS

WASHINGTON, D. C.—Application for a preliminary patent covering an installation on the Feather River, California, to yield 200,000 horsepower has been filed with the Federal Power Commission by Lars Jorgensen, Chronicle Bldg., San Francisco. The project is to be located on Middle Fork in Plumas, Sierra and Butte Counties. It contemplates diversion of two streams from their natural beds.

PUBLIC BUILDINGS

Plans Being Figured—Bids Close Sept. 29, 1921, 12 noon.
ALTERATIONS Cost, $——
OAKLAND. Blk. bounded by 14th, 15th, Grove and Clay Sts.
Extensive alterations to 4th, 5th and 6th floors of Class "A" City Hall remove stairway, etc., from offices).
Owner—City of Oakland.
Architect—Architectural Dept.
Plans may be obtained from the City Clerk's office.

Plans Being Prepared.
CITY HALL, Etc. Cost, $60,000
PORTERVILLE, Tulare Co., Calif.
Two-story fireproof City Hall and firehouse.
Owner—City of Porterville.
Architect—Fred Pease, City Engineer, Porterville.

Plans Being Figured—Bids Close Oct. 3, 1 p. m.
CONCRETE BLDG. Cost, $——
JACKSON, Amador Co., Calif.
Construction of a reinforced concrete building.
Owner—County of Amador, John R. Huberty, Clerk.
Architect—Geo. C. Sellon & Co., Milan Bldg., Sacramento.
Certified check 10% required with each bid. Plans may be had from the County Clerk at Jackson.

SAN FRANCISCO.—Until Sept. 28, 12 noon, bids will be received by Jas. De Succa, secretary, Park Commission, Park Lodge, Golden Gate Park, for installing heating system in Park Memorial Museum. Specifications may be had from office of secretary.

VALLEJO, Solano Co., Cal.—City Engineer T. D. Kilkenny instructed to prepare specifications for installing a heating system in the Vallejo Public Library.

BAKERSFIELD, Kern Co., Cal.—Supervisors, F. E. Smith, clerk, authorize the installation of a burglar alarm system for office of county treasurer.

FRESNO, Fresno Co., Cal.—The Supervisors, D. M.Barnwell, County Clerk, approves plans and specifications for an automobile exhibit building at the county fair grounds and a call for bids will be issued in the near future.

WATSONVILLE, Santa Cruz Co., Cal.—The City Board of Alderman approve specifications for alterations to the City Hall; also for re-roofing the firehouse. The City Clerk has been instructed to advertise for bids for the work.

RESIDENCES

Plans Being Figured—Bids Close Sept. 19th.
RESIDENCE Cost, $7,000
BERKELEY. Oxford between Vine and Cedar Sts.
Two-story frame and plastered residence.
Owner—F. J. Kockritz.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Low Bidder.
RESIDENCE Cost, $9,000
BERKELEY, Cal. Shattuck Ave. and Walnut.
Two-story frame residence.
Owner—J. R. Driver.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Low Bidder—C. H. Warren, 2615 Derby St., Berkeley.

Plans Being Prepared.
BUNGALOWS Cost, $5000 each
BURLINGAME, San Mateo Co., Cal.
Four one-story frame bungalows.
Owner — C. H. Bessett Bldg. Co., 660 Market St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Prepared.
RESIDENCES Cost, $4,000 each
SAN FRANCISCO. Mission Terrace.
Five one-story frame residences (5 rooms each).
Owner—Mission Terrace Company.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Being Done by Day's Work.
RESIDENCE Cost, $15,000
SAN FRANCISCO. W Twenty-sixth Avenue near Lake Street.
Two-story and basement frame and brick veneer residence.
Owner—K. E. Parker, Clunie Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Figures to Be Taken in a Few Days.
RESIDENCE, ETC. Cost, $10,500
BERKELEY, Alameda Co., Cal. Cedar and Euclid Streets.
Two-story and basement frame and stucco residence and garage.
Owner—C. A. Kingsley.
Architect—W. H. Ratcliff, Jr., 1st National Bank Bldg., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, $10,000
SAN FRANCISCO. St. Francis Wood
Two-story frame and plaster residence.
Owner—Martin A. Roth.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $7000
GUERNEVILLE, Sonoma Co., Cal.
Two-story frame parochial residence (9 rooms).
Owner—Roman Catholic Archbishop.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
NOTE:—Figures are being taken for a general contract.

Contract Awarded.
RESIDENCE Cost, $7200
SAN FRANCISCO. St. Francis Wood.
Two-story residence (Colonial).
Owner—A. Chansler.
Architect—Walter Falch, Hearst Bldg., San Francisco.
Contractor—Mangel Bros., 1142 Naples St.

Contract Awarded.
COTTAGE Cost, $3,000
BERKELEY, Alameda Co., Cal. Canyon Road.
One-story frame apartment cottage (2 small apts. and a garage, exterior shingle.)
Owner—Miss Lenore O'Connor.
Architect—Walter T. Steilberg, Flatiron Bldg., San Francisco.
Contractor—C. P. Kreischer.

Sub-Figures Being Taken.
RESIDENCES Cost, $12,000 ea.
STOCKTON. North Crest Addition.
Two 2-story brick residences (8 rooms each).
Owner—J. W. Pearce and H. E. Heller.
Architect — Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Contract Awarded.
RESIDENCE Cost, Approx. $22,000
SANTA ROSA, Sonoma Co., Cal. St. Rose Parish on B St.
Two-story and basement frame and plaster parochial residence (16 rooms).
Owner—Roman Catholic Archbishop of San Francisco. (Rev. J. V. Long, Pastor).
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor—C. D. Roberts, 720 Benton St., Santa Rosa.

Contract Awarded.
RESIDENCE Cost, $11,787
OAKLAND. Lot 15 Blk T, Lakeshore Highlands.
Two-story frame and plastered residence.
Owner—W. F. Harris, 454 Ellita Ave., Oakland.
Architect — Schirmer-Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Fred J. Westlund, 351 12th St., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $9500
SAN FRANCISCO. St. Francis Wood.
One-story frame & plaster residence (8 rooms) and separate garage.
Owner—Mr. Lord.
Architect — Miss Ida F. McCain, 318 Kearny St.

Completing Plans.
RESIDENCE Cost, $15,000
BURLINGAME, San Mateo Co., Cal.
Two-story and basement frame and stucco residence with terra cotta roof (9 rooms and 2 baths).
Owner—H. W. Lunceford, Burlingame.
Architect — Jas. T. Narbett, Easton Bldg., Oakland.
NOTE:—Work will be done by days labor and segregated contracts.

Plans Being Prepared.
RESIDENCE Cost, $5,000
PIEDMONT, Alameda Co., Cal.
One-story frame and stucco residence.
Owner—A. H. Burnett.
Architect—Jas. T. Narbett, Easton Bldg., Oakland.

LOS ANGELES, Cal.—Architect Roy S. Price, 401 S. Western Ave., Los Angeles, desires sub-contract bids for the erection of a group of suburban estate buildings in Benedict Canyon, Beverly Hills, for Thos. Ince. The buildings will be of brick and hollow tile construction with plastered exteriors and tile roofs, including res., gymnasium, 50x30 ft., gardener's cottage, 38x20 ft.; two garages, 20x80 ft.; repair shop, 30x20 ft.; barn, 40x54 ft.; pump house, chicken houses, swimming pool, tennis courts, sewage disposal system and roadways.

SCHOOLS

Plans Being Figured—Bids Close Oct. 5, 1921, 9 A. M.
SCHOOL Cost, $——
LOS ANGELES, Cal. Belvedere School on Rowan Ave. and First St.
Two-story brick school, 150x37, with wing 47x62.
Owner—Los Angeles Board of Education.
Architect—Train & Williams, 226 West Mutual Life Bldg., Los Angeles.
Separate bids will be taken for a general contract, heating, painting and wiring.

Plans Being Figured—Bids Close Oct. 5, 1921, 9 A. M.
SCHOOL Cost, $——
LOS ANGELES, Cal. Breed St. School Cor. Third and Chicago Sts.
Two-story brick school, 145x81 (10 rooms).
Owner—Los Angeles Board of Education.
Architects—Noerenberg & Johnson.
Plans may be obtained from the office of the Secretary, 730 Security Bldg., Los Angeles.
Separate figures will be taken for the general work, plumbing, painting, heating and wiring.

Plans Being Figured—Bids Close Oct. 3, 1921, 2 P. M.
ADDITIONS Cost, $——
EAGLE ROCK, Los Angeles Co., Cal. Central, East and West Schools.
Additions to three schools.
Owner—Eagle Rock City School Dist.
Architect—J. C. Austin, 1119-25 Baker-Detwiler Bldg., Los Angeles.
Plans may be obtained from the architect or the clerk.

Figures to be Taken in About a Week.
GYMNASIUM Cost, $30,000
TRACY, San Joaquin Co., Cal.
One-story reinforced concrete gymnasium building.
Owner—Westside Union High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Figured—Bids Close Oct. 5, 1921, 9 A. M.
SCHOOL Cost, $——
LOS ANGELES, Cal. Santa Barbara Avenue School, Santa Barbara and Western Avenues.
Two-story brick 10-room school building, 113x62.
Owner—Los Angeles Board of Education.
Architect—Edw. C. Taylor, 713 W-8th St., Los Angeles.
Separate bids will be received for the general contract, plumbing, painting, heating and wiring.

Plans Being Figured—Bids Close October 10, 1921, 4 p. m.
SCHOOL Cost, $60,000
OAKDALE, Stanislaus Co., Cal.
One-story brick and concrete 5-room school and 2-room brick and concrete addition to present bldg.
Owner—Oakdale Grammar School Dist.
Architect — Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Segregated figures are being taken as follows: General contract, plumbing, heating, painting and electrical work. Plans may be obtained from the architect's office on a deposit of $25.

LOW BIDDERS
SCHOOL Cost, $25,000
SANTA ROSA, Sonoma Co., Cal. Roseland School District.
One-story frame and stucco school (4 rooms and auditorium).
Owner—Roseland School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
W. J. Meeker, Santa Rosa.....$17,430
John Morton, San Francisco.... 19,500
J. C. Lindsay, Santa Rosa..... 25,930

Commissioned to Prepare Plans.
SCHOOL BLDGS. Cost, $105,000
CRESCENT CITY, Del Norte Co., Cal.
Two reinforced concrete high school buildings.
Owner—Crescent City High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Prepared.
SCHOOL Cost, $35,000
INDEPENDENCE, Inyo Co., Cal.
One-story reinforced concrete high school.
Owner—Owens Valley Union High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Figures to Be Taken in About a Week.
SCHOOL BLDG. Cost, $75,000
ALAMEDA, Cal. SW San Antonio and Chestnut.
Two-story reinforced concrete school.
Owner—St. Joseph's Church.
Architect—W. D. Shea, Chronicle Bldg., San Francisco.

Contract Awarded.
HIGH SCHOOL Cost, $277,814
SAN DIEGO, Cal. Logan Heights.
Fireproof junior high school.
Owner—City of San Diego.
Architect—Theo. Kistner, San Diego.
Contractor—Miller & Eddleman, San Diego.
Plumbing and Heating awarded to W. C. Merritt & Co. of San Diego, $35,787.
Electrical Work to The Southern Electric Co. at $17,624.

Plans Being Prepared.
SCHOOL BLDG. Cost, $200,000
RICHMOND, Contra Costa Co., Cal.
Hollow tile and concrete junior high school building.
Owner—City of Richmond High School District.
Architect—Jas. T. Narbett, Easton Bldg., Oakland, and 910 Macdonald Ave., Richmond.

CHICO, Butte Co., Cal.—Scott Co., 381-11th st., Oakland, at $1,497 awarded contract by Chico High School District to install heating system in Paradise school. Other bidders: Turner Co., 272 Natoma st., San Francisco, $1,760; Nicholas Hardware Co., Chico, $1,900; C. C. DeMarais, Chico, $1,599.

YREKA, Siskiyou Co., Cal.—Until Oct. 1, 10 a. m., bids will be received by Helen A. Fairchild, clerk, Yreka Grammar School District, for fur. and del. 5 teachers' desks 42x30, 125 auditorium chairs, 1 library table, 2 office chairs and 100 desks, sizes 5th, 6th and 7th grades.

SACRAMENTO, Cal.—Campbell Construction Co., 3325 "J" St., Sacramento, at $5,390 awarded contract by Reese School District to construct 1-room school. Only other bidders were: J. E. Casey and W. R. Meeks, Elk Grove, $6,110.

SAN FRANCISCO.—The Board of Public Works awards contract for Spring Valley school as follows:
General Construction: O. Monson, $40,340.
Brick and Terra Cotta Work to E. Hogberg, $20,900.
Plumbing: Fred W. Snook Co., $3,283.
Heating: Scott Co., $1,290.
Electric Work: The Turner Co., $1,360.
Scott Co., at $7,180 was awarded the contract for installation of heating system in the Emerson school.

SANTA ROSA, Sonoma Co., Cal.—Until Oct. 10, 5 p. m., bids will be received by Sarah N. Hatch, secretary, Board of Education, for wiring Santa Rosa high school. Cert. check 10% required with each bid. Spec. may be had from Clark C. Van Fleet, 642 Fourth st., Santa Rosa.

MANTON, Tehama Co., Cal.—Until Oct. 1, 2 p. m., bids will be received by Frank Freeman, clerk, Manton Joint Union School District, for constructing addition to present school. Cert. check 10% required with each bid.

MANHATTAN BEACH, Los Angeles Co., Cal.—John Simpson & Co., 701 Antonio Ave., Los Angeles, submitted the lowest bid at $29,900 for additions and alterations to Manhattan Beach grammar school building. Train & Williams, 226 Western Mutual Life Bldg., Los Angeles, are the architects. The addition will contain five class rooms. Hollow tile construction, plas. exter., tile and comp. rf., cast stone entrances and trim. The bids were taken under advisement.
The bids received were as follows: John Simpson Co., $29,900; (a) deduct if inter. partitions are changed to wood, $370; Rommel Construction Co., $29,990; McFadden & Winkelman, $31,260; Willard-Brent Co., $31,300; Earl F. Low, $31,600; W. M. Bell, $31,746; Dow Construction Co., $31,926; A. S. O'Neil, $32,442; J. F. Kobler, $32,563; and Walter Slater Co., $34,500.

SEATTLE, Wash.—Until Sept. 29, 11 a. m., bids will be received by Reuben W. Jones, secretary, School District No. 1, for constructing one-story masonry, 7 classroom and auditorium school at 44th Ave. and Holly St.; Brighton school; estimated cost, $90,000. F. A. Naramore, City School Architect.

MERCED, Merced Co., Cal.—Until Oct. 6, 7:30 p. m., bids will be received by H. K. Landram, clerk, Merced High School District, for installing lawn sprinkling system at high school grounds. Certified check 10% payable to district required. Specifications may be had from W. E. Bedesen, Shaffer Bldg., Merced.

CHICO, Butte Co., Cal.—Contracts for fur. and install. desks, etc., in Chico high school have been awarded to Rucker-Fuller Co. through its Chico agent, Richardson Furniture Co.; Haywood Bros. & Wakefield and C. F. Webber Co. The latter firm secured the bulk of the contract. No bids were received for common classroom desks and the clerk was instructed to call bids for non-adjusting single pedestal student desks fronts to rears.

STOCKTON, San Joaquin Co., Cal.—Until Oct. 3, 2 p. m., bids will be received by R. C. Gruell, Clerk, Everett School District, for plastering the new Everett school. Cert. check 10% required with each bid. Specifications may be had from Architect C. H. Young, 903 Commercial and Savings Bank Bldg., Stockton.

TAFT, Kern Co., Cal.—The Taft Union High School District canceled the call for bids for constructing one-story frame and masonry teacherage; bids for which were to have been opened September 20, from plans by Architect Orville L. Clark, Brower Bldg., Bakersfield. This action was taken due to a recent ruling of Attorney General Webb which prohibits school districts from erecting buildings to be used for teacherages.

HAYWARD, Alameda Co., Cal.—The following bids were received on September 20th, by the Board of Trustees of the Hayward School District for the construction of a one-story frame and plaster four-room school building to be erected on Orchard Avenue and Soto Street. Plans were prepared by Architect Henry C. Smith, Humboldt Bank Bldg., San Francisco. Sorensen Bros., 1110 C St., Hayward, submitted the lowest bids on the plastering, carpenter, painting, plumbing and electrical work. A. Rodriques of Hayward on the concrete and brick work and Jas. A. Nelson of San Francisco on the heating. These bids have been taken under advisement and contracts will be awarded in a few days.

All Work Except Heating

Sorensen Bros., Hayward	$16,985
G. P. W. Jensen, San Francisco	18,980
Monson Bros., San Francisco	20,550
Ruegg Bros., San Francisco	21,000
Fred Warden, San Francisco	23,925
S. Montani	26,950

Concrete and Brick Work

A. Rodriques	$2,241
Asmussen & Son	2,836
Sorensen Bros.	2,840

Heating

Jas. A. Nelson, San Francisco	$1,058
A. J. Silva	1,084

Carpenter Work

Sorensen Bros.	$10,396
Jensen & Peterson	10,350
Asmussen & Son	11,227

Plastering

Sorensen Bros.	$1,515
Asmussen & Son	.....

Painting

Sorensen Bros.	$ 616
Asmussen & Son	.....
Van Dyke & Graham	1,090
Frisk & Swanson	1,385

Plumbing

Sorensen Bros.	$1,290
A. J. Silva	1,530
Asmussen & Son	1,600

Electrical Work

Sorensen Bros.	$328
Asmussen & Son	328
C. H. Madsen	328
Hugo Frank	168
Vieux Bros.	437

SACRAMENTO, Cal.—Bids received by Board of Education for fur. and install. school desks taken under advisement. C. F. Webber and Rucker-Fuller Co. bid from $16.90 to $17.80 per desk, according to size and type. H. S. Crocker Co. bid $17.30 to $17.80.

HANFORD, Kings Co., Cal.—Until Sept. 27, 8 p. m., bids will be received by G. W. Armstead, Clerk, Hanford Union High School District for fur. and del. 24 or more adjustable drawing stands, oak top and cast iron base.

LOS ANGELES, Cal.—McFadden & Winkelman, 1102 W. Pico St., Los Angeles, were awarded the general contract at $15,400, with an addition of $200 for maple fls., for erecting a 3-rm. brick addition to the school bldg. at Harbor City. Plans by the architectural department of the Los Angeles Board of Education. The painting was awarded to Swan & Bastien, 500 Stimson Bldg., Los Angeles, at $2190; and heating to Pacific Gas Radiator Co. at $1548.

LOS ANGELES, Cal.—The Los Angeles Board of Education has authorized Edgar H. Cline, architect for the board, to prepare plans and specifications for an 18-unit school bldg. to be erected on the Barton Hill school site at San Pedro. It will be of brick construction and will cost about $128,000.

CHICO, Butte Co., Cal.—Until Oct. 5, 5 p. m., bids will be received by Chas. H. Camper, clerk, Chico High School District, for fur. and install. in new high school: 150 non-adjustable, single pedestal students' desks; 25 non-adjustable, single pedestal, students' desks rears; 21 non-adjustable, single pedestal, students' desks fronts. Cert. check 10% payable to district required with each bid. Spec. may be had from clerk.

MANHATTAN BEACH, Los Angeles Co., Cal.—John Simpson & Co., 701 Antonio Ave., Los Angeles was awarded a contract at $29,900 for additions and alterations to Manhattan Beach grammar school building. Train & Williams, 226 Western Mutual Life Bldg., Los Angeles, are the architects. The addition will contain five class rooms. Hollow tile construction, plaster exterior, tile and composition roof, cast stone entrances and trim.

LOS ANGELES, Cal.—Darrell Condley Co., 520 Marsh-Strong Bldg., Los Angeles, has been awarded the general contract at $72,283, with an addition of $605 for white enam. brick wainscot in lavatories and of $430 for machine sanding maple fls., for erecting a brick and concr. school bldg. on the Utah St. school site. Albert C. Martin, 430 Higgins Bldg., Los Angeles, architect. Other contracts were awarded as follows: Plumbing to E. W. Crowell at $6175; steam heating to Thos. Haverty Co. at $4574 with a deduction of $173 for Simplex oil burner; painting to D. Zelinsky & Son, San Francisco, at $2625; and electrical work to Renard-Stary Electric Co. at $2685. The building will contain nine class rooms and an auditorium.

BURLINGAME, San Mateo Co., Cal.—The Board of Trustees of the Burlingame Grammar School District have awarded a contract to Frisk & Swanson, 4331 19th St., San Francisco, for the repainting of the Oak Grove and Howard Avenue Schools in Burlingame.

The work is to be completed within the next 90 days, and the contract price for same is $1238.

LOS ANGELES, Cal.—Darrell Condley Co., 520 Marsh-Strong Bldg., Los Angeles, was awarded the general contract at $94,919 for erecting a new brick school building at Wilton Place school site. Plans by the architectural department of the Board of Education. The other contracts were awarded as follows: Painting to A. Quandt & Son, 180 Jessie St., San Francisco, at $3920; plumbing to W. W. Brooks at $7400; heating to J. Hokom at $11,457; and electrical work to Renard-Stary Electric Co. at $3175. The main building will be 2 stories and basement, 157x83 ft., 10 class rooms; domestic science and manual training departments. There will be a kindergarten bldg., 61x38 ft.

LOS ANGELES, Cal.—Darrell Condley Co., 520 Marsh-Strong Bldg., Los Angeles, was awarded the general contract at $62,500 for erecting a new bldg. at Buchanan St. school site. Montgomery & Nibecker, 622 Story Bldg., Los Angeles, architects. Other contracts were awarded as follows: Painting to A. Quandt & Son, 180 Jessie St., San Francisco, at $1978; plumbing to Arthur Hess at $4585; heating to Thos. Haverty Co. at $4659; and electrical work to Renard-Stary Electric Co. at $1350. The building will contain 8 class rooms; reinf. concr. retaining walls, brick walls above, plas. exterior, composition and tile roof, etc.

MERCED, Merced Co., Cal.—E. Howard, Route 3, Merced, at $250 awarded contract by Ferndale School District to grade school grounds. Only other bidder, Edward Herron, Route 2, Merced. $485.

STORES AND OFFICES

Grading Contract Awarded.
OFFICE BLDG. Cost, $50,000
SAN FRANCISCO. N Sutter 137-5 E Stockton Street.
Five-story and basement reinforced concrete office building.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David Coleman, 110 Sutter St., San Francisco.
The grading has been awarded to the San Francisco Motor Drayage Co., 180 Jessie St.

Plans Completed—Sub-Figures to Be Taken in About Two Weeks.
STORE BUILDING, ETC. Cost, $20,000
COLUSA, Colusa Co., Cal. Market St. near 7th.
One-story reinforced concrete postoffice and store building (3 stores).
Owner—G. W. Rodehaver, 2411 Regal St., Berkeley.
Architect—Plans by owner.

Preliminary Plans Prepared.
OFFICE BLDG. Cost, $——
LOS ANGELES, Cal. SE First and Main Streets.
Two-story and basement Class A brick store and office building, 39x104. (3 stores and 14 offices).
Owner—Kendall & Chase.
Architects—Train & Williams, 226 West Mutual Life Bldg., Los Angeles.

To be Done by Day's Labor and Sub-Contracts.
STORE BLDG. Cost, $225,000
OAKLAND, Alameda Co., Cal. Broadway between 15th and 16th Sts.
Three-story reinforced concrete store building.
Owner—H. C. Capwell Co.
Lessee—Reich & Lievre.
Architect—Wm. Knowles, Call Bldg., San Francisco, and Central Bank Bldg., Oakland.
NOTE:—Work will be done by day's labor under the supervision of Mr. Knowles.

Plans to Be Prepared — Contract Awarded.
STORE BLDG. Cost, $——
OAKLAND, Calif. Grand Ave. between Broadway and Webster St.
One-story reinforced concrete store building, 50x200.
Owner—Geo. Roos, Stockton and Market Sts., San Francisco.
Architect—Reed & Corlett, Central Bank Bldg., Oakland.
Contractor—MacDonald & Kahn, 30 Montgomery St., San Francisco.

Figures to be Taken in About a Week.
OFFICES Cost, $——
SACRAMENTO, Cal. L St. bet 10th and 11th Streets.
Two-story brick office building, 80x160.
Owner—Archibald Mull.
Architects—Woollett & Lamb, Hagelstein Bldg., Sacramento.
The first floor will be occupied by the Department of Agriculture.

(Continued on Page 16)

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

MADERA, Madera Co., Cal.—Until Oct. 6, 10 a. m., bids will be received by L. W. Cooper, County Clerk, for constructing bridge over Ash slough. Certified check 10% required with each bid. J. O. Rue, County Surveyor.

MANTECA, San Joaquin Co., Cal.—Engineers Cope, Rand & Means, 58 Sutter St., San Francisco, will submit a report to the directors of the South San Joaquin Irrigation District on the proposed drainage improvements.

OAKDALE, Stanislaus Co., Cal.—A. J. Wiley, Consulting Engineer for the Modesto and Turlock Irrigation Districts, will be asked to act in the same capacity for the Oakdale and South San Joaquin Irrigation Districts in the construction of the Melones reservoir.

HOLLISTER, San Benito Co., Cal.—Until October 3, 2 P. M., bids will be received by Elmer Dowdy, County Clerk, for constructing a 52-foot pony rivited span upon concrete abutments, located about 32 miles southeast of Hollister and 25 miles from railroad, estimated cost, $2,700. Project involves, 60 cu. yds. concrete; 1000 lbs. reinforcing steel; 100 cu. yds. excavation; 100 cu. yds. fill.

Separate bids, same date, for constructing deck concrete girder bridge, 24-ft. span with 20-ft. roadway; about 6 miles northeast of Hollister; estimated cost, $3,500. Project involves, 58.00 cu. yds. Class A concrete; 66.60 cu. yds. Class B concrete; 370 cu. yds. excavation; 180 cu. yds. fill; 10,360.00 lbs. reinforcing steel. W. A. Winn, County Engineer.

MERCED, Merced Co., Cal. — Until Oct. 4, 10 A. M., bids will be received by P. J. Thorton, County Clerk, for constructing two reinforced concrete bridges; one over South Fork of Dry Creek on Upper La Grange Road in Road District No. 1, another over Deadman's Creek on Merced-Chowchilla Road, Section 1 in Road District No. 2, and for a wood bridge over the San Joaquin River on the Merced-Los Banos Road in Road Districts Numbered 2 and 5. Certified check for 10% payable to Chairman of the Board of Supervisors required with each bid. A. E. Cowell, County Surveyor.

EUREKA, Humboldt Co., Cal.—Until Oct. 11, 2 p. m., bids will be received by Fred M. Kay, County Clerk, for constructing reinforced concrete bridge across Carter Creek in Road District No. 2. A. J. Logan, County Surveyor.

HANFORD, Kings Co., Cal.—County Surveyor Roy May is making surveys for two timber bridges to be constructed on Stratford Rd. 3½ miles south of Stratford; also for a concrete drain pipe on the same road.

VENTURA, Ventura Co., Cal.—Doolittle & Smith, Ventura, has been awarded a contract at $2670 to construct a reinforced concrete arch bridge, 40 ft. span, involving 110 cu. yds. concrete and 6800 lbs. reinforced steel.

SAN BERNARDINO, Cal.—Until 7:30 P. M., Oct. 3, bids will be received by City Clerk J. H. Osborn for constructing a reinforced concrete arch bridge over Lytle creek on Mt. Vernon Ave.; three 50-ft. spans 60 ft. wide. Certified check or bond for 10%. C. E. Johnson, City Clerk.

ABERDEEN, Wash.—The Grays Harbor Construction Co., Hoquiam, Wn., at approx. $131,700 awarded contract for first wharfage unit of the Grays Harbor Port Commission. Contract includes the driving and capping of 195,000 lin. ft. of piling; decking 165,000 sq. ft. of wharf and placing approx. 15,000 tons of stone riprap.

SACRAMENTO, Cal.—Until October 4, 2 P. M., bids will be received by Harry W. Hall, County Clerk, for constructing timber trestle on Dutch Flat Road near Lambert Station. Certified check for 10% payable to Chairman of the Board of Supervisors required with each bid. Drury Butler, County Engineer.

MODESTO, Stanislaus Co., Cal.—Until October 11, 10:30 A. M., bids will be received by C. E. Eastin Jr., County Clerk, for constructing thirteen reinforced concrete bridges in various sections of the county. Certified check for 10% required with each bid. J. H. Hoskins, County Surveyor.

MODESTO, Stanislaus Co., Cal.—Until October 11, 10:30 A. M., bids will be received by C. C. Eastin Jr., County Clerk, for constructing trestle approach to the south end of the Empire bridge. Certified check for 10% required. J. H. Hoskins, County Surveyor.

OLYMPIA, Wash.—Union Bridge Co., Central Bldg., Seattle, completes plans for proposed toll bridge to span the Columbia river between Pasco and Kennewick; estimated cost, $400,000. Structure will be built by the Inter-County Bridge Co. of Walla Walla, Wash. Will be a steel and frame structure 3236 feet long; two steel spans, each 252 feet long; a cantilever span consisting of two anchor arms each 232 feet long, and two cantilever arms each 126 feet long. There will also be a suspended span 180 feet long. The steel spans will total a length of 1410 feet. The remainder of the structure, being approaches, will be of timber construction.

Engineers and Contractors
PLEASE NOTE

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SACRAMENTO, Cal.—Until Oct. 4, 2 p. m., bids will be received by Harry W. Hall, County Clerk, for constructing Deer Creek bridge on Wilson School Road near the Zanor Ranch. Cert. check 10% payable to Chair. Bd. of Sups. required with each bid. Plans may be had from County Engineer Drury Butler.

SAN BERNARDINO, Cal.—City Engr. C. E. Johnson is preparing plans and spec. for reinf. concr. bridges over Warm Creek on Third St. and on Arrowhead Ave. Cost $1500 each. Construction will not be started until next spring.

SACRAMENTO, Cal.—Geo. Murray, Manteca, awarded contract by State Reclamation Board for removing dirt and leveling 4½ miles of the Hood levee at $9,940. Frank McIntyre of Stockton next low bidder at $11,201. Bids were also submitted by J. L. Franklin, Stockton; H. G. Ogden, Sacramento; J. G. Farrell, Manteca; D. D. MacCoshama, Sacramento; F. J. Fitzpatrick, Sacramento, and D. C. Gallagher.

SONORA, Tuolumne Co., Cal.—Until Oct. 1, 10 a. m., bids will be received by Ed L. Gorgas, County Clerk, for constructing reinforced concrete slab bridge over Mormon Creek at Charles Wight place, Road Dist. No. 2;

Separate bids, same date, for constructing reinforced concrete girder bridge over Turn Back Creek, at Westinghouse place on Cherokee-Confidence road, Road Dist. No. 3;

Separate bids, same date, for constructing reinforced concrete girder bridge over Curtis Creek at the Amy place, on Kincaid Flat road, Road Dist. No. 3. Cert. check 10% required with each bid. Plans on file in office of clerk. Robert Thom, County Engineer.

EUREKA, Humboldt Co., Cal.—Until Oct. 11, 2 p. m., bids will be received by Fred M. Kay, County Clerk, for constructing concrete culvert across Carter Creek between Blocksburg and Alderpoint in Road Dist. No. 2. A. J. Logan, County Surveyor.

SACRAMENTO, Cal. — Olympian Dredging Co., 249 First St., San Francisco, awarded contract by State Reclamation Board for dredging on the Hood Levee project; contract awarded on a cost plus basis, 9.34 cents cu. yd.

SEATTLE, Wash.—The Union Bridge Co., Central Bldg., retained by Peter Young, vice-president of the Citizens' State Bank at Priest River, Idaho, and associates, to prepare drawings and specifications for a $250,000 steel toll bridge to be erected over the Pend Oreille River at Newport, Washington. The structure will be approximately 1100 feet long, consisting of five or six steel spans, resting on concrete piers. The approaches will be frame construction.

VALLEJO, Solano Co., Cal. — City Council considering repairs to Virginia street wharf; estimated cost $5,000. Piles supporting the structure are in a bad condition. T. D. Kilkenny, city engineer.

(Continued on Page 17)

Official Proposals

BIDS WANTED FOR STOREHOUSE

NOTICE TO CONTRACTORS

The Bureau of Yards and Docks, Navy Department, Washington, D. C., will open in the near future, bids on Specification 4504 for a one-story storehouse, at the Naval Operating Base (Naval Station), Pearl Harbor, T. H. The work includes the construction of a one-story building approximately 120 feet by 500 feet, divided into three aisles, and having steel frame; plain concrete footings and floor; reinforced concrete loading platforms, spandrel girders, and fire wall; corrugated protected sheet metal for siding and roof of marquise; precast gypsum tile roof with 3-ply, built-up, asbestos roofing; steel sash and rolling doors; hollow tile partitions; and plumbing, sewage disposal, electric lighting, and fire protection systems.

Plans and specifications may be had when available upon application to the Commandant, Navy Yard, Mare Island, California, upon deposit of a check or postal money order for $10.00, payable to the Chief of the Bureau of Yards and Docks as security for the safe return of the drawings and specifications.

BIDS WANTED FOR LIGHTING PLANT

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept. 15, 1921.—SEALED PROPOSALS will be opened in this office at 1 P. M., Oct. 12, 1921, for the installation of a lighting plant, wiring, etc., at the United States Quarantine Station, Port Townsend, Wash., in accordance with the drawing and specification, copies of which may be had at this office or at the Office of the Custodian at Quarantine Station, Port Townsend, Wash., in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR SEWAGE EJECTOR, ETC.

Notice to Contractors

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept. 1, 1921.—SEALED PROPOSALS will be opened in this office at 3 p. m., Sept. 29, 1921, for the installation of a Sewage Ejector, etc., at the United States Post Office, Stockton, Calif., in accordance with the drawing and specification, copies of which may be had at this office or at the office of the Custodian at Stockton, Calif., in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

NOTICE TO CONTRACTORS

PROPOSALS FOR CONSTRUCTION OR A BRICK POWER HOUSE AND IMPROVEMENTS TO THE HEATING PLANT, Department of the Interior, Office of Indian Affairs, Washington, D. C., September 9, 1921. Sealed proposals plainly marked on the outside of the sealed envelope, "Proposals for a brick power house and improvements to heating plant, Chemawa, Oregon," and addressed to the "Commissioner of Indian Affairs, Washington, D. C.," will be received at the Indian Office until 2 o'clock P. M., of October 5, 1921, for furnishing materials and labor for the construction of a brick power house and improvements to the heating plant, Salem Indian School, in strict accordance with the plans, specifications and instructions to bidders which may be examined at the office of the paper or periodical in which this advertisement appears, the United States Indian Warehouses at Chicago, Illinois, St. Louis, Missouri, San Francisco, California, and the Builders' Exchange, St. Paul, Minnesota, and at the office of the Superintendent of the Salem Indian School, Chemawa, Oregon. For further information apply to the Superintendent of the Salem Oregon, Indian School. CHARLES H. BURKE, Commissioner.

BIDS WANTED FOR METAL BOOK STACKS

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 23, 1921.—SEALED PROPOSALS will be received at this office until 3 p. m., October 18, 1921, and then opened, for metal book stacks installed in place in the United States Post Office, Custom House and Court House at Honolulu, T. H. Drawings and specifications may be obtained from the Superintendent of Construction of the building at Honolulu, Hawaii, from J. W. Roberts, Supervising Superintendent of Construction, Room 403 Post Office and Court House, San Francisco, California, or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 3rd, 1921,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Stanislaus County, between Tuolumne River Bridge and 1.2 miles North of Ceres (III-Sta-4-B), about 1.9 miles in length, to be surfaced with Asphalt concrete.

San Luis Obispo County, between 6 miles North of San Simeon and Northerly Boundary (V-Slo-56-A), about 10.0 miles in length, to be graded.

Kern County, between South Line Section 19, T. 11 N. R 20 W. S.B.B. & M. and 13.0 miles South of Bakersfield (VI-Ker-4-B), about 10.0 miles in length, to be surfaced with Asphalt concrete.

San Bernardino County, between Summit and Victorville (VII-SBd-31-C), about 15.7 miles in length, to be paved, either with Portland cement concrete or Bituminized Macadam.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated September 6, 1921.

BIDS WANTED FOR SHOP BUILDING

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 10th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made.

A maintenance shop building in the City of Sacramento, California.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated September 12, 1921

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 17th, 1921,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Lassen County, between the Westerly City Boundary and Pine Street in Susanville (II-Las-29-B), about 0.2 miles in length, to be graded.

Tuolumne County, between Westerly Boundary and one mile North of Keystone (III-Tuo-13-A), about 9.4 miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the

division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated September 19, 1921.

BIDS WANTED FOR WHARF BUILDING

NOTICE TO CONTRACTORS

Office of the Board of State Harbor Commissioners, Union Depot and Ferry House, San Francisco, California, September 20, 1921.

Sealed proposals or bids will be received at this office at or prior to **11 o'clock A. M., Friday, September 30, 1921,** for furnishing materials and constructing Bulkhead Wharf Building for Pier No. 5 on the waterfront of the City and County of San Francisco, in accordance with the plans and specifications prepared therefor by the Chief Engineer of the Board and adopted by the Board August 4, 1920, and on file in this office, to which special reference is hereby made.

The materials to be used in this work shall consist of the requisite quantities of Portland cement, (which will be furnished to the Contractor by the Board), sand, hydrated lime, metal lath, Douglas fir lumber, hardwood lumber, redwood lumber, structural steel, castings, roofing materials, galvanized iron, glass, painters' materials, rods, bolts, spikes, nails, window frames, fiber, etc.

All materials used must be of the best of their respective kinds if not specially specified herein. All materials used in the structures will be subjected to a rigid examination and test, and if found defective, under size, unsuitable or not as specified, will be condemned and must be immediately removed from the work by the Contractor at his expense. Materials may be rejected at any time for defects which may be disclosed, or which may develop in the course of the work, notwithstanding any previous test or inspection, and removed by the Contractor as indicated above.

No bid will be received unless it is made on a blank form furnished from this office and is accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal, to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within Six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The Contractor will be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the amount payable by the terms of the contract, with a Corporation, thereunto duly authorized by law and commonly known as a surety company, as surety (such surety to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the Office of the Secretary), and conditioned for the faithful performance by the Contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the Contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done or for any work or labor done thereon of any kind said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall be made to inure to the benefit of material men, mechanics and laborers provided by that certain act of the Legislature of the State of California, approved May 1, 1911 (Stats. 1911, p. 1422). Said bond must be acceptable to and approved by said Board both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the Office of the Secretary, Room No. 17, Union Depot and Ferry House, at or prior to 11 o'clock A. M., on FRIDAY, September 30, 1921, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing $20.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid: "Bulkhead Wharf Building for Pier No. 5."

JOHN H. McCALLUM,
HARRY H. COSGRIFF,
FREDERICK S. MOODY,
Board of State Harbor Commissioners.
FRANK G. WHITE,
Chief Engineer.
HILDA GOHRMAN,
Secretary.

BIDS WANTED FOR ALTERATIONS TO CITY HALL BUILDING

NOTICE TO CONTRACTORS

The Council of the City of Oakland will receive sealed bids on **Thursday, September 29, 1921, between the hours of 11 o'clock A. M. and 12 M.,** for furnishing material and labor required for alterations at fourth, fifth and sixth stories of Oakland City Hall Building, in accordance with the specifications adopted therefor by the Council. Plans and specifications and form of proposal will be furnished by City Clerk on receipt of $10.00 deposit. A bond of 25% of contract price for faithful performance to be given by the successful bidder, also to give labor and material bond in amount of 50% of contract price. Contract to be entered into within 5 days after date of award and work to be completed within 30 working days.

EUGENE K. STURGIS, City Clerk.

BIDS WANTED FOR PAINTING AND CLEANING COURT HOUSE

NOTICE TO CONTRACTORS

Notice is hereby given that the Board of Supervisors of the County of Nevada, State of California, will receive up to but not later than **Tuesday, October 4th, 1921, at 10 o'clock a. m.,** sealed proposals in writing to clean and paint the exterior of all the buildings, sheds, brick fence walls, etc., of the Court House and Jail at Nevada City, California, according to the following specifications:

Granite Work: All granite of buildings, etc., to be cleaned and brought back to its original finish.

All exterior brick walls where now painted to have the paint removed.

All metal work, such as galvanized iron and tin work, pipes, etc., to have loose paint scraped off.

All window and door frames to be hand-scraped and where paint is blistered to be burnt off.

After all exterior surfaces, brick, cement, wood and metal have been cleaned and preparatory work finished, the whole to be painted as follows:

First coat on brick, cement, metal and wood work to be a very heavy coat which will consist of lead, turpentine and boiled linseed oil, and finished with a second coat of Fuller's or other approved exterior concrete paint. Galvanized iron and other metal work of roofs to receive a heavy coat of metallic and linseed oil and a second coat of paint, color selected.

All exterior wood work, including entrance vestibule and doors and plaster ceiling of same and soffit of balcony to be refinished in three coats, the same as at present of colors approved of.

All window frames throughout and sash to be finished as in color selected by the Board.

Flag pole in two coats of paint.

At completion, all glass to be cleaned and premises left in proper order.

The Board of Supervisors to furnish all paint, lead, turpentine and oil.

The Board reserves the right to reject any or all bids or to accept the bid deemed most advantageous to the County of Nevada.

All bids to be accompanied by a certified check in an amount equal to 10 per cent of the amount bid.

By Order of the Board.

Dated: September 19th, 1921.

R. A. EDDY,
Chairman of the Board.

Attest: George Coughlan, Clerk of the Board.
By R. N. McCormack, Deputy.

BIDS WANTED FOR HEATING PLANT

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN THAT the Board of Supervisors of the County of Santa Barbara, State of California, will receive bids for furnishing all labor and material necessary for installing a central heating plant, including installation of boilers, hot water tanks, conduits, manholes and radiation and piping to a group of buildings constituting what is known as the Santa Barbara General Hospital, located on the County Farm, about three miles west of the City of Santa Barbara, in the County of Santa Barbara, State of California; each bid to be in accordance with the plans and specifications heretofore approved and adopted by said Board of Supervisors and now on file with the Clerk of said Board; each bid must be accompanied by a certified check for ten per cent of the amount bid, made payable to the Chairman of said Board of Supervisors; said bid or bids shall be sealed and filed with the Clerk of said Board on or before **October 3rd, 1921, at 10 o'clock A. M.;** the above-mentioned check shall be given as evidence that the bidder will enter into a contract, if awarded the contract, and will be declared forfeited if the successful bidder refuses to enter into said contract after being requested so to do by said Board of Supervisors, and in addition thereto the successful bidder will be required to file good and sufficient bonds for the faithful performance of said contract, covering an amount equal to 75 per cent of the contract price. Plans and specifications for said work can be obtained from the Clerk of said Board upon making a deposit of $10 therefor. The Board reserves the right to reject any and all bids.

By order of the Board of Supervisors of the County of Santa Barbara, State of California, made September 6, 1921.

Dated, September 7, 1921.

C. A. HUNT,
County Clerk and ex-officio Clerk of the Board of Supervisors of Santa Barbara County, State of Calif.

NOTICE TO CONTRACTORS

(Four Ward Buildings)

Office of the Clerk of the Board of Supervisors, Alameda County, Calif.

SEALED BIDS will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until 10 o'clock A. M. on Monday, October 3rd, 1921** (the only day when said bids will be opened), for all labor and material and mechanical workmanship required for the erection and partial completion of Ward Buildings numbers Four, Six and Eight, and connecting corridors for Highland Hospital of Alameda County at 14th Avenue and Vallecito Place, Oakland, California; also certain partition work, etc., in Wards, One and Two and in Service Building.

Complete plans and specifications for said work are on file in the office of the County Clerk, open to inspection.

Copies may be obtained by depositing with the County Clerk the sum of One Hundred ($100.00) Dollars. Contractors

will be restricted as to the length of time they may retain these plans and specifications to ten (10) days.

Contractors failing to return said plans and specifications within said time limit will forfeit their deposit to the County of Alameda. The entire amount of the deposit will be returned to contractors returning plans and specifications in good condition within said time limit.

Each bid must be accompanied by a check for at least ten (10) per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the Contract.

GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.
Dated, August 22nd, 1921.

NOTICE TO PAINTERS

(Hospital Buildings)

NOTICE IS HEREBY GIVEN that sealed proposals or bids will be received by the Board of Supervisors of Santa Clara County, California, in their rooms in the Court House, in the City of San Jose, **up to 11 o'clock A. M. of Monday, October 3, 1921,** for painting main building as Santa Clara County Hospital, also Superintendent's residence, Tuberculosis building, Old Ladies' and Old Men's cottages and Employes' cottage, Morgue and Gas House, Water Tower and Tanks of the Santa Clara County Hospital, in accordance with plans and specifications on file in the chambers of the Board of Supervisors for said work.

Each bid must be accompanied by a certified check in the sum of 5 per cent of amount bid, drawn upon some reliable bank in favor of Henry A. Pfister, County Clerk, as liquidated damages in case the successful bidder fails to file a satisfactory bond as required by said Board within five days for the faithful performance of the conditions of the contract.

The Board reserves the right to reject any and all bids.

All bids must be addressed to John Roll, Chairman of the Board of Supervisors of Santa Clara County, and indorsed "Bids for Painting Hospital Buildings."

By order of the Board of Supervisors of Santa Clara County.
Attest: HENRY A. PFISTER, Clerk.
By Eugene M. Don, Deputy Clerk.

NOTICE TO BIDDERS

(Isolation Hospital)

Pursuant to an order of the Board of County Commissioners of Washoe County, Nevada, made and entered upon the 6th day of September, 1921, sealed bids and proposals will be received by the undersigned at the office of the County Clerk of Washoe County, in the City of Reno, County of Washoe, State of Nevada, not later than **twelve o'clock noon, Saturday, the eighth day of October, 1921,** and opened in the office of the County Commissioners at 1:30 o'clock p. m. on the same date, for the following: For the erection, construction, and completion of an Isolation Hospital Building according to the plans and specifications made by George A. Ferris & Son, architects of Reno, Nevada; plans and specifications may be obtained from the above named architects, at their office in the Colonial Hotel, Reno, Nevada, on and after the above date.

By order of the Board of County Commissioners of Washoe County, Nevada.

E. H. BEEMER,
Clerk of the Board of County Commissioners.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed proposals will be received and opened by the Board of Trustees of the Napa School District, of Napa County, State of California, at their rooms in the Napa High School Building, in the City of Napa, County of Napa, and State of California, **at eight o'clock P. M., October 3, 1921,** for the erection and completion of a school building to be built in the City of Napa, State of California, according to plans and specifications prepared for the same by W. H. Weeks.

Bids will be received on the general construction with its alternate propositions, together with separate bids on the vacuum cleaning plant, heating and ventilating system, and program clock system.

Plans and specifications may be seen at the office of the Clerk of the Board, in the City of Napa, or at the office of the Architect, W. H. Weeks, 75 Post St., San Francisco, California.

All bids should be presented on Bid Form furnished by the Architect.

Each bid must be accompanied by a certified check on some responsible California bank in the sum not less than ten (10%) per cent of the amount bid, made payable to Mrs. Percy S. King, President of the Board of Trustees of the Napa School District, for the purposes stated in the specifications.

Each bid must be enclosed in a sealed envelope and addressed to Howard E. Roper, Clerk of Napa School District, Napa, California, and endorsed "Proposal for Building School House."

The Board of Trustees expressly reserves the right to reject any and all bids.

Bids may be delivered to the undersigned, Clerk of said Board of Trustees, at his residence in said City of Napa, or handed in to the said Board of Trustees at the time and place of meeting above stated, at any time up to the hour of opening said bids.

HOWARD E. ROPER,
Clerk of the Board of Trustees of the Napa School District of Napa County, State of California.
Dated: September 10th, 1921.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

THE BOARD OF TRUSTEES OF THE RIVERVIEW UNION SCHOOL DISTRICT, Reedley, Calif., will receive sealed bids **on or before 2 o'clock P. M., October the 8th,** at Riverside Grammar School Building, near Reedley, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new Grammar School Building in accordance with plans and specifications prepared therefore by Anton Johnson, Architect, of Kingsburg, California. Bids will be received separately for the different segregated contracts, as follows:

Contract No. 1—For the Excavating, Concrete, Carpenter Work, Millwork, etc.

Contract No. 2—For Masonry and Hollow Tile Work.

Contract No. 3—For Tile Roofing.

Contract No. 4—For all Sheet Metal Work.

Contract No. 5—For Lathing and Plastering.

Contract No. 6—For Furnishing and Placing of Blackboards.

Contract No. 7—For the Painting.

Contract No. 8—For the Plumbing and Sewering.

Contract No. 9—For Electrical Work.

Contract No. 10—For the Heating and Ventilating.

Certified check for an amount not less than ten per cent (10%) of amount of bid should accompany each proposal, made payable to the order of Mr. J. R. McCahill, Clerk of the Riverview Grammar School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said Grammar School Board in accordance therewith, and shall furnish bonds as required by the specifications. Said check to be forfeited to the said Grammar School District should the bidder refuse to execute contract and furnish bond as above mentioned.

Plans and Specifications for all the above work may be seen in the office of Anton Johnson, Kingsburg, Calif.

A deposit of $10.00 will be required from all Contractors receiving plans. Said deposit will be refunded when plans and specifications are returned in good condition.

By order of the Board of Trustees, Riverview Grammar School District, Reedley, Calif., by Mr. J. R. McCahill, Clerk of the Board of Trustees, of the Riverview Union School District.
Dated September 14th, 1921.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

(One-story Brick Structure)

On the construction of a new school building for the Summer Home School District, San Joaquin County, California.

Notice is hereby given by order of the Board of Trustees of the Summer Home School District that separate proposals will be received at the Summer Home school house, located in the Summer Home School District, near the town of Manteca, County of San Joaquin, State of California, **until Saturday, October 1st, 1921, up to 2 P. M.,** for the furnishing of all labor and materials necessary for the construction of the following items in connection with the new Summer Home school building.

1. Carpentering, labor, lumber and millwork.
2. Excavating, concrete, tile and brick work.
3. Plastering.
4. Painting and tinting.
6. Plumbing and sheet metal work.
7. Electrical work.
8. Roofing.

The above work is necessary for the construction of this new school building in accordance with plans and specifications on file, which may be seen at the office of C. H. Young, 903-4-5, Commercial and Savings Bank Building, Stockton, California, the authorized architect for the Board. All bids must be accompanied by a certified check or certificate of deposit for not less than 10 per cent of the amount bid, and conditioned that the successful bidder shall enter into a contract in accordance with such bid, and file with said Board of Trustees a surety bond to be approved by said Board, both as to form and sureties thereon, within five (5) days after acceptance of his bid, which bond shall be conditioned for the faithful fulfillment of the contract entered into, and to be for at least fifty (50) per cent of the amount of the contract price for the work to be done thereunder. Upon failure of the bidder to execute such contract and bond within said five (5) days, said ten (10) per cent of the amount bid shall be forfeited to said Summer Home School District. All the work to be done and materials to be furnished shall be in accordance with the plans and specifications herein specified, and all bids herein will be opened at the hour of two o'clock P. M. on the first day of October, 1921, by said Board of Trustees of the Summer Home School District, in the County of San Joaquin, State of California.

All bids must be submitted on forms obtained from the architect, said Board of Trustees reserving the right to reject any and all bids.

By order of the Board of Trustees of the Summer Home School District, County of San Joaquin, State of California.

Dated Sept. 12th, A. D. 1921.

J. W. SIMMONS.
J. S. HUNTER.
BERTHA M. ELLIOTT, Clerk.

BIDS WANTED FOR CONCRETE SCHOOL BUILDING

NOTICE TO BIDDERS

Notice is hereby given that the Flores School District of Tehama County, State of California, will at the School Building, in the town of Proberta, **on the 30th day of September, 1921, at 8 P. M.** of that day, receive and consider sealed bids for the following work:

The construction of a new concrete Grammar School Building; all of this work to be done on the school premises at Proberta, in the County of Tehama, State of California, according to the plans and specifications for the same prepared by James H. Hoose, Architect.

Said plans and specifications may be obtained at the office of Jas. H. Hoose, Architect, at Rooms 4 and 5, Graves Building, Chico, California, upon the payment of $10.00, which sum will be repaid upon the return of the plans and specifications in a whole and undamaged condition.

All bids must be sealed and filed with the Clerk of said Flores School District, prior to 8 P. M. of the 30th day of September, and be accompanied by a certified check on some solvent bank of the State of California, for ten per cent of the amount of the bid submitted, which check shall be made payable to the Clerk of the Flores School District.

This check is required as a guarantee that the successful bidder will within three days after notice of the award of the contract to him enter into a satisfactory contract with the Board of said District, and execute and deliver the necessary bonds as required by law. If the contractor shall fail to enter into such contract, the amount of the certified check shall be retained by said Board as liquidated damages.

The Board reserves the right to reject any and all bids.

Dated this 15th day of September, 1921.

GUY M. LANPHEAR,
Clerk of the Board of Flores School District.

BIDS WANTED FOR HIGH SCHOOL BUILDING

NOTICE TO BIDDERS

A 2-Story and Basement Concrete and Hollow Tile Domestic Science Building

Notice is hereby given that sealed bids will be received by the High School Board of the Richmond Union High School District at the office of Superintendent W. T. Helms, in the Lincoln School, 235 10th Street, Richmond, California, **up to and including the hour of 8 o'clock p. m. of Monday, October 10th,** at which time and place said bids will be opened, for the supplying of all materials and the construction of the foundation, basement walls, and rough plumbing for a class room building, according to the plans and specifications adopted by this Board and prepared by James T. Narbett, authorized architect.

Plans and specifications may be obtained at Mr. Narbett's office, 906 Macdonald Avenue, Richmond, California.

All bids must be accompanied by the sum of $250.00, in cash or certified check, made payable to W. T. Helms.

The Board reserves the right to reject any or all bids.

By order of the High School Board.
E. H. HARLOW, President.
H. W. MERGENTHAL, Clerk.
W. T. HELMS, Secretary.
Richmond, Calif.
Sept. 6, 1921.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

(One-story Hollow Tile Structure, Six Classrooms and an Auditorium)

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Newman Grammar School District, Newman, California, at the present grammar school building, located in the town of Newman, County of Stanislaus, State of California, **until 7 o'clock P. M., October 7th, 1921,** for the erection of a school building to be built in Newman, California, according to plans and specifications prepared for the same by George C. Sellon & Company, the authorized Architects.

Bids will be received for the various branches of the work as follows: For the mason work and carpenter work combined; for the mason work; for the carpenter work; for the plastering; for the painting; for the roofing, for the sheet metal work; for the plumbing, for the heating, and for the electrical work.

Bids will also be received for the mechanical construction (including sheet metal work, plumbing, heating, and electrical work.)

Plans and specifications can be seen at the office of the Clerk of said Board of Trustees, at Newman, California, and may be seen at or obtained from the office of the Architects, 202 Mitau Bldg., Sacramento, California. A cash deposit of $25.00 will be required from all prospective bidders on all copies of plans and specifications loaned out, as a guarantee of the same being returned.

All shall be presented on blank forms which may be procured at the office of the Architects. Each bid must be accompanied by a certified check on some responsible California bank for a sum not less than ten per centum (10%) of the amount of the bid made payable to Chas. LaBree, Clerk of the Board of Trustees, as a guarantee of good faith that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for faithful performance of said work, and in case the bidder to whom the contract is awarded fails or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said School District in the manner provided by law. Each bid must be enclosed in a sealed envelope and addressed to Charles LaBree, Clerk of the Board of Trustees of Newman Grammar School District, Newman, California, and endorsed "Proposal for building school."

The Board of Trustees expressly reserves the right to reject any or all bids.

By order of the Board of Trustees of Newman School District, Newman, Stanislaus County, California.

Dated Sept. 14th, 1921.

Signed:

CHAS. LABREE,
GUY W. MERWIN,
W. M. KNEIBES,
Trustees.

STORES AND OFFICES

(Continued from Page 11)

Contract Awarded.
STORE BLDG. Cost, $13,000
BERKELEY. W. Adeline St. 60 S. Harmon.
One-story brick store building.
Owner—Garrett Owen, 3270 Adeline St., Berkeley.
Architect—Not given.
Contractor—The Roy O. Long Co., 2114 Shattuck Ave., Berkeley.

Sketches Being Prepared.
STORE, ETC., BLDG. Cost, $6,500
SAN FRANCISCO. Bay St.
Two-story frame store and restaurant building.
Owner—Fernando Del Pino.
Architect—Louis Mastropasqua, 580 Washington St.

THEATRES

PORTLAND, Ore.—Architect W. W. Lucius, Lewis Bldg., completing plans for additions and repairs to building at Third and Ankeny streets for a moving picture theatre seating 660. Work will cost about $35,000.

Fire losses paid each year by fire insurance companies have averaged nearly $300,000,000.

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BRIDGES, DAMS & HARBOR WORK

(Contined from Page 12)

SAN FRANCISCO—Chief Engineer White of the State Board of Harbor Commissioners has completed plans and specifications for bulkhead wharf at Pier No. 5, estimated cost $52,430, and for a reinforced concrete bulkhead wharf at Pier No. 19, estimated cost $23,880. Plans have been referred to the committee of the whole for report.

VALLEJO, Solano Co., Cal.—City Engineer T. D. Kilkenny preparing specifications for improving approach to Lemon street wharf; estimated cost $2,000.

IRRIGATION PROJECTS

CORCORAN, Kings Co., Cal.—Until Oct. 11, 10 a. m., bids will be received by Corcoran Irrigation District, D. I. Brown, secretary, Whitley and Dairy Aves., Corcoran, for:

5730 sq. ft. of concrete paving.

315 lin. ft. of 10" concrete irrigation pipe.

40 lin. ft. of 30" concrete irrigation pipe.

8 10-in. outlets.

535 lin. ft. of 3" concrete wheel guard.

Certified check 10% payable to president of district required with each bid. Specifications may be had from the secretary.

OLINDA, Shasta Co., Cal.—John A. Groves, Ono, Calif., awarded contract by Happy Valley Irrigation District to complete Hoover tunnel; $15 ft. on east end and $17 ft. on west end, for approximately 3000 feet. Ten bids were received.

KNIGHTSEN, Contra Costa Co., Cal. —Modin & Preston, Byron, awarded contract to construct laterals, sub-laterals and drainage ditches in Knightsen Irrigation District; approximate contract price is $40,000.

DIXON, Solano Co., Cal.—C. Rosenthal, engineer, prepares report of proposed irrigation system for Dixon farmers and business men. It is proposed to irrigate 52,000 acres, mostly east of Dixon. It is proposed to run an intake canal from the burrow pit, west of the Holland Land Company's tract two miles east and by three lifts carrying it to the 48-foot contour.

FRESNO, Fresno, Co., Cal.—Until October 4, 10 A. M., bids will be received by Morton Hansen, Secretary, Fresno Irrigation District, 1009 Griffith-McKenzie Bldg., for tearing out old wood flumes crossing Dog Creek on the Gould and Enterprise Canals of the Fresno Irrigation District, and the replacement thereof by steel and concrete structures; and the tearing out of the old wood headgates at Fancher Creek at the head of the Fancher Creek Canal, and the replacement thereof by a concrete structure. Certified check for 10% payable to District required with each bid. Plans may be had from Chief Engineer of the district at Fresno.

TURLOCK, Stanislaus Co., Cal.—R. A. Noble Co., at 2½ cents per barrel awarded contract by Turlock Irrigation District to test 50,000 barrels of cement for use in the Don Pedro dam project.

LIGHTING SYSTEMS

SOUTH SAN FRANCISCO, Cal.—Chamber of Commerce appoints a committee to confer with the City Trustees regarding the installation of an electrolier system in Grand avenue.

MERCED, Merced Co., Cal.—City Trustees, W. W. Cornell, Clerk, pass Resolution of Intention to install ornamental lighting system (reinforced concrete standards) in portions of G, H, I, J, K, L, M, N, O, P, Q, R, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23d and 24th streets. Improvement Act 1911. Protests will be heard October 3. C. D. Martin, City Engineer.

FULLERTON, Los Angeles Co., Cal. —Standard Electric Co., 518 Byrne Bldg., Los Angeles, awarded contracts amounting to $13,250 for constructing ornamental lighting systems on Commonwealth Ave. and N. and S. Spadra Road.

RAILROADS

SAN FRANCISCO. — Supervisors adopt resolutions appropriating $500,000 for constructing extensions to the municipal railway into the Sunset District and $200,000 for extension of the road into the Haight and Ashbury districts. Specifications will be prepared by the Board of Public Works.

SAN FRANCISCO.—In addition to other extensions to municipal railway system, the Supervisors have authorized the Board of Public Works to prepare specifications for extending the Grafton Ave. line; estimated cost, $125,000. M. M. O'Shaughnessy, City Engineer.

Motor Equipment Co., 72 S. Broadway, Portland, Ore., wishes to represent San Francisco manufacturer of bronze bushings for automobile and other gas engines in northwest territory.

MACHINERY

GLENDALE, Los Angeles Co., Cal.—Until Sept. 29, City Clerk will receive bids for caterpillar tractor.

GLENDALE, Los Angeles Co., Cal.—Grinnell Sales Co. was awarded contract for furnishing 21,809 ft. 8-in. Matheson joint pipe, dipper, at 86.81c ft.; total, $18,924.58; also cast iron fittings at $576.76. Chapman Valve Co. was awarded contract for valves at $136. Bids for riveted steel pipe and fire hydrants were rejected.

LOS ANGELES, Cal.—Until 3 p. m., Sept. 30, bids will be received by Board of Public Service, 207 S. Broadway, for feeder regulators; Spec. No. P-240. Jas. P. Vroman, secretary.

PASADENA, Los Angeles Co., Cal.—City Manager Koiner has rejected all bids for a concrete mixing machine stating the city was not now in the market for a mixer.

PASADENA, Los Angeles Co., Cal.—City Manager Koiner has rejected all bids for the steel and iron work at the municipal power plant at Raymond and Glenarm Aves. Specifications will be revised and new bids will be taken.

SEATTLE, Wash.—A. W. Quist Co., engineers and general contractors, Hoge Bldg., Seattle, want quotations for furnishing approximately 5,000,000 ft. of lumber:

Two million feet B. M., 4x14-20'.

Two hundred thirty-five thousand feet B. M., 2x6, 3x4, 3x6, 12' and 18'.

All rough creosoted 12-pound treatment. Quote first on No. 1 com.; second on select com.

Six hundred thousand feet B. M., 4x10, 18' grooved for 3-4x1½" splines.

One hundred eighteen thousand 1-ft. splines 3-4x1¼.

One hundred thirty thousand feet B. M., 8x10-20'.

Seven hundred thousand feet B. M., 3x10-20' to 30'.

Sixty-five thousand feet B. M., 3x8-20'; 6x10-20'; 4x10-20'.

Seventy-four thousand five hundred feet straight piles, 20150'-6" top.

All creosoted 18-pound; quote first on No. 1 com.; second on select com.

One hundred six thousand feet B. M., 2x4 345 VG Random.

Quote first on select com.; second on No. 2 clear KD.

BERKELEY, Alameda Co., Cal.—Until Sept. 27, 4 p. m., bids will be received by Clyde Blanchard, acting secretary, Board of Education, 2133 Allston Way, for furnishing galv. steel pipe for grammar school playgrounds. Certified check 10% payable to Board of Education required with each bid. Specifications on file in office of secretary.

LOS ANGELES, Cal.—Until 3 p. m., Sept. 30, bids will be received by Board of Public Service, 207 S. Broadway, for fire hydrants; Spec. No. 582. Jas. P. Vroman, secretary.

SACRAMENTO, Cal.—Until Oct. 17, 2 p. m., bids will be received by Harry W. Hall, county clerk, for constructing a ferry to be operated between Sacramento and Solano Counties across Steamboat Slough from Ryer to Grand Island near Walker's Landing. Cert. check 10% payable to Chair. Bd. of Sups. required with each bid. Drury Butler, county engineer.

SAN JOSE, Santa Clara Co., Cal.—Following bids received by Supervisors for fur. and del. one engine lathe, 18-in. by 12-ft. bed, standard 3-step cone, double back - geared, quick change, screw-cutting engine lathe, complete with counter shaft and regular equipment:

Herbert Machinery & Supply Co., $1016 and $1092.

Smith-Booth-Usher Co., $960 and $1275.

Harron, Rickard & McCone, $1000 and $960.

Berger & Carter Co., $1665 and $1623.

Fred Ward & Son, $1075.

Aleison Lathe, $1098.

Bids taken under advisement.

RED BLUFF, Tehama Co., Cal.—Pacific Gas and Electric Co. will spend $24,000 in this city extending its system. A considerable amount of 2, 4 and 6-in. pipe will be required.

BERKELEY, Alameda Co., Cal.—Until Oct. 4, 10 a. m., bids will be received by E. M. Hann, City Clerk, for fur. and del. a 4-ton motor truck for use of the Department of Public Works. C. L. Huggins, City Engineer.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, appropriates $12,000 to purchase four auto trucks for use of the Department of Streets. Geo. Mattis, City Engineer.

PARLIER, Fresno Co., Cal.—Until October 1, 10 A. M., bids will be received by F. B. Frost, Clerk, Parlier Union High School District, for furnishing and delivering a school bus, seating 30 pupils, tonnage 1½ or 2 tons, equipped with solid and pneumatic tires.

GLENDALE, Los Angeles Co., Cal.—Until 8 p. m., Sept. 29, bids will be received by City Clerk J. C. Sherer for a caterpillar tractor to cost not more than $1750. Detailed description must accompany bid. Cert. check for 10%.

REDWOOD CITY, San Mateo Co., Cal.—San Francisco Steel Products Co., Balboa Bldg., San Francisco, at $3,189.74 awarded contract by Trustees to furnish cast iron pipe. Twelve bids submitted.

Mark Lally Co., 2nd and Tehama Sts., San Francisco, submitted low bid at $2,309.64 for galv. iron pipe and fittings. Action on this contract deferred until October meeting. C. L. Dimmitt, City Engineer.

UKIAH, Mendocino Co., Cal.—Until Oct. 3, 7:30 p. m., bids will be received by James H. Carothers, City Clerk, for fur. and del. one 4-cylinder roadster automobile with at least 60-in. delivery body, self-starter, pneumatic tires, etc.

MADERA, Madera Co., Cal.—E. M. Nunes, Madera, awarded contract by City Trustees to drill well near swimming pool property; 1,200-gallon well $2,350; on footage basis, $1,346 for 125 ft. well; $1,669 for 175-ft. well. Footage basis bid accepted.

AHWAHNEE, Madera Co., Cal.—Until Oct. 8, 11 a. m., bids will be received by T. J. Cronin, secretary, Tri-County Tuberculosis Committee, Ahwahnee Sanitarium, for laundry equipment, with necessary shafting, pulleys, belts, etc., with exception of motor and steam boiler, which are already installed. Equipment wanted as follows:

1 75" Return Apron Flat work Ironer, belt driven.
1 36"x48" Clothes Tumbler, belt driven, American No. 127 or equal.
1 24" high speed Extractor, alternating current, belt driven.
1 36"x48" Globe Type or equal, Wood Washer, end header.
1 30"x30" Globe Type or equal Wood Washer, end header.
1 No. 39 Compound Universal Press with Puff Iron, or equal.
1 small Puff Iron, steam heated.
1 15-gallon heat retaining Starch Cooker, galvanized case.
1 Improved Ironing Board complete with suspension bracket, cord and electric 6-pound iron.
1 60-gallon galvanized iron Soap Tank with boil pipes and valves.

Cert. check 10% required with each bid. Further information may be had from the secretary.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SOUTH PASADENA, Cal.—S. B. Kruly, 326 N. Hill St., Los Angeles, awarded contract at $1883 for constructing 1100 ft. of 8-in. vit. pipe sewer, 24 wyes, 2 flush tanks and 4 manholes in alley north of Huntington Dr. Other bids received by City Trustees were: S. M. Mulvich, $1908; J. P. Hunter, $1999; Floyd S. Lee, $1935; Martin Culjock, $2134 and Joe Grabovich, $2200. R. V. Orbison, City Engineer.

PRESCOTT, Ariz.—McPeak, Burton & Bruckman, 620 Security Bldg., submitted the lowest bid for paving Gurley St. for a distance of 11 blocks with concr. at $1.15 cu. yd. for grading, $3.68 sq. yd. for paving, $2 lin. ft. combined curb and gutter, $1.35 lin. ft. gutter, 9.75 ft. concr. arch culverts, $2.50 ft. for gutter arch, $3.50 lin. ft. valley gutters, $5 ft. sewer manholes, $5 each monuments, $3000 extra work. Miller & White submitted only other bid at $1.20 for excav., $3.70 paving, $1.98 combined curb and gutter, $1.50 gutter, $10 culverts, $2.75 gutter arch, $3.75 valley gutters, $5 manholes, $5 monuments, $3000 extra work. Bids taken under advisement.

MAYFIELD, Santa Clara Co., Cal.—Trustees planning immediate construction of sewers, gutters and paving in streets of town.

VISALIA, Tulare Co., Cal.—Valley Paving and Construction Co., Goldstein Bldg., Visalia, at $44,261 awarded contract by Trustees for improving portions of E. Mineral King Ave. by grading, paving with 4-in. asphaltic concrete base with a 1½-in. Topeka wearing surface, hydraulic concrete combination curbs and gutters, catchbasins, etc. L. H. Gadsby, City Engineer.

SANTA ANA, Orange Co., Cal.—Steele Finley, Santa Ana, awarded contract at $58,261.12 for asph. concr. surfacing on La Mirada Ave., Brea-Olinda road, Orangethorpe Ave., W. Broadway, Grand and Euclid Aves, 3rd Road District, involving 63,085 sq. ft. 4-in. and 722,914 sq. ft. 2-in. surfacing. Other bids received by County Supervisors were: Fairchild-Gilmore-Wilton Co., $59,406.81; Southwest Paving Co., Los Angeles, $61,658.57; Geo. H. Oswald, Los Angeles, $71,934.96; Geo. R. Curtis, $72,802.94; Wells & Bressler, $74,105.12.

Finley also awarded contract at $15,742.14 for grading and paving with 5-in. asph. concr. certain streets in town of Yorba Linda, involving 3508 cu. yds. excav. and 61,085 sq. ft. paving. Other bids received by County Supervisors were: Fairchild-Gilmore-Wilton Co., $17,138.95; Geo. R. Curtis, $20,975.23. J. L. McBride, County Engineer.

No bids were received for constructing concr. crossings in Carbon Canyon wash near Olinda.

SANTA ANA, Orange County, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., Los Angeles, awarded contract at $55,000 for improving 3 mi. of road in Road Imp. Dist. No. 7, near Placentia, involving 5000 cu. yds. excav., 5000 cu. yds. gravel for subgrade and 267,428 sq. ft. 5-in. asph. concr. pavement. Geo. R Curtis, Los Angeles, bid $55,600 and Wells & Bressler, Santa Ana, bid $60,000. J. L. McBride, County Engineer.

SPOKANE, Wash.—City Engineer Butler completes specifications for trunk sewer in downtown section; estimated to cost $375,000.

SOUTH PASADENA, Cal.—Ducey & Breitenstein, 151 S. Hill Ave., Pasadena, were awarded the contract at $7650 for improving Buena Vista St., involving 60,000 sq. ft. 3-in. oil macad. pavement at 11c sq. ft. including grading and 4200 sq. ft. concr. gutter at 25c ft. Other bids received by City Trustees were: Napier & Simpson, $7692; R. T. Shea & Co., $8208. R. V. Orbison, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—Until September 30, 12 M., bids will be received by W. W. Felt Jr., County Clerk, for constructing Section E, Guerneville-Jenner highway in Fifth Supervisorial District, 3.468 ft. or .65 mile long. Approximate quantities: Estimate A—Wooden box culverts: 5000 cu. yds. excavation; 82 lin. ft. 12"; 20 lin. ft. 15" and 12 lin. ft. 18" pipe; 700 cu. yds. gravel; 16,000 F. B. M. culverts and trestle; 10 cu. yds. concrete headwalls. Engineer's estimate, $7,540.

Estimate B—Concrete culverts: 5000 cu. yds. excavation; 82 lin. ft. 12", 20 lin. ft. 15" and 12 lin. ft. 18" pipe; 700 cu. yd. gravel, 16,000 F. B. M. trestle; 60 cu. yds. concrete culverts and headwalls. Engineer's estimate, $8,920. R. Press Smith, County Engineer.

SOUTH PASADENA, Cal.—Tracy & O'Keefe, 58 S. Fair Oaks Ave., Pasadena, awarded contract at $10,086 for improving Lyndon St., involving about 72,200 sq. ft. 3-in. oil macad. at 11.3c sq. ft.; 7206 sq. ft. concr. gutter at 22c ft.; 25 sq. ft. sidewalk at 20c ft.; 338 ft. sewer connections at $338 lump sum. Other bids received by City Trustees were: Ducey & Breitenstein, Pasadena, $10,108; Napier & Simpson, San Francisco, $10,158; R. T. Shea & Co., Riverside, $10,375. R. V. Orbison, City Engineer.

OAKLAND, Cal. — City Council Eugene K. Sturgis, Clerk, passes Resolution of Intention to improve Essex street from Alcatraz avenue northerly by grading, constructing concrete curbs, gutters and sidewalks and paving with oil macadam. Improvement Act of 1911.

Resolution of Intention also passed to improve East-Twenty-second street from 25th to 27th avenues, by grading, constructing concrete curbs, gutters and sidewalks and paving with oil macadam. Improvement Act 1911. Geo. Mattis, City Engineer.

OAKLAND, Cal.—P. Mathiesen, Oakland, awarded contract by council to improve 68th avenue from E-14th to Snell street, grading, $.035 sq. ft.; concrete curb, $.74 lin. ft.; concrete gutter, $.24 sq. ft.; oil macadam pave, $.135 sq. ft.; wood culvert, $.50 lin. ft., 8x24-in. corrugated iron and concrete culvert, $4.00 lin. ft.; handhole, $10 each; granite header block, $10 each. Geo. Mattis, City Engineer.

RICHMOND, Contra Costa Co., Cal.—City Engineer H. D. Chapman instructed to prepare specifications for improving Waller, 39th and 41st Sts., adjacent to the Pullman school grounds; also for improving 4th St. across the Santa Fe tracks and for resurfacing the street from Cutting Boulevard to Barrett Ave.

EUREKA, Humboldt Co., Cal.—Supervisors approve specifications for grading auto road from Samoa to Arcata, approximately 4 miles, estimated to cost $8,000. A. J. Logan, County Surveyor.

FRESNO, Fresno Co., Cal.—Until Sept. 29, 3:30 p. m., bids will be received by R. Y. St. George, City Clerk, for improving Poplar Ave. bet. McKinley and Home Aves. by grading and oiling, constructing concrete curbs and sidewalks. Imp. Act 1911. Certified check 10% payable to city required. Wm. Stranahan, City Commissioner of Public Works.

SAN DIEGO, Cal.—Crook & Henno, San Diego, submitted lowest bid and were awarded contract at $50,739 for grading and surfacing with disintegrated granite the Mussey Grade road, about 4½ miles.

MARTINEZ, Contra Costa Co., Cal.—Until October 3, 11 A. M., bids will be received by J. H. Wells, County Clerk for building sidewalks around County Court House Grounds and lowering and re-setting coping. Certified check for 10% payable to Clerk required with each bid.

MADERA, Madera Co., Cal.—Until October 3, 2 P. M., bids will be received by L. W. Cooper, County Clerk for furnishing and delivering f.o.b. Madera, 900 yards 2-in. crushed rock or gravel and 900 yds. ½ to ¼-in. crushed rock or gravel. Certified check for 10% required with each bid.

EUREKA, Humboldt Co., Cal.—Until Sept. 30, 10 a. m., bids will be received by Fred M. Kay, County Clerk, for crushing, hauling and spreading 2,000 cubic yards or more of rock on County road between Orick and Bald Hills, Road District No. 5; rock to be spread with a dump spreader and job completed by Nov. 1. Certified check 5% required with each bid. A. J. Logan, County Surveyor.

MODESTO, Stanislaus Co., Cal.—W. H. Webb, Modesto, awarded contract by Council to construct approximately 1008.35 ft. 6-in. vit. pipe sewer in portions of Franklin St., including the construction of brick manholes, lampholes and Wyes. Geo. Freitas, City Engineer.

YUBA CITY, Sutter Co., Cal.—Until Oct. 4, 10 a. m., bids will be received by Albert B. Brown, County Clerk, for constructing the Bunce lateral, from the Bunce tract to the southerly limits of Yuba city, to be paved with reinforced concrete, 15-ft. wide, 5-in. thick, 0.50 of a mile long. Project involves: 2100 cu. yds. excavation; 10 lin. ft. 54-in. corrugated metal pipe; 12 cu. yds. concrete headwalls; 625 cu. yds. reinforced concrete pavement; 400 lin. ft. guard rail. Contractor to furnish all materials.

Separate bids, same date, for constructing Lincoln Lateral from Lincoln school to the Bunce Lateral, to be of crushed rock or Butte House rock (approx. 1600 cu. yds.) 15-ft. wide, 5-in. thick, 0.88 miles in length. Contractor to furnish materials. Plans may be had from County Engineer Edward von Geldern on deposit of $10.

CHICO, Butte Co., Cal.—The Trustees are planning the paving of Park Ave., from Oakdale bridge to Sixteenth street. F. S. Robinson, City Engineer.

YREKA, Siskiyou Co., Cal.—Until Sept. 30, 10 a. m., bids will be received by W. J. Neilon, County Clerk, for constructing a macadam road between Grenada and Big Springs. H. J. Sarter, County Engineer.

SACRAMENTO, Cal.—City Commissioners, M. J. Desmond, City Clerk, passes res. of int. to improve 5th st., from Q to S sts., by constructing concrete curb wall, concrete curbs and gutters, gutter drains connected with 6-in. vit. sewer, grading and paving with 6-in. of asphaltic concrete. Imp. Act 1911. Protests Sept. 29. Albert Givan, City Engineer.

FRESNO, Fresno Co., Cal.—Supervisors order bids received for paving 10-miles of Fowler-Hanford road including the construction of bridges; also 13½-miles of highway from Sanger to the Citrus Cove road, east of Clark's Valley. Chris. P. Jensen, County Road Engineer.

MODESTO, Stanislaus Co., Cal.—City Council orders paving of High and H streets. Paving of James street indefinitely postponed due to protests. Geo. Freitas, City Engineer.

OROVILLE, Butte Co., Cal.—No bids being received for surfacing Vallambrosia avenue, and the Hooker Oak road, county engineer H. H. Hume has been instructed to proceed with the work by force account.

FRESNO, Fresno Co., Cal.—Until Oct. 14 bids will be received by Supervisors for reconstructing Toll House road in Supervisor Lochead's district. Chris. P. Jensen, County Road Engineer.

MODESTO, Stanislaus Co., Cal.—City Council approves plans and specifications of City Engineer Geo. Freitas for constructing two brick pumping stations and a call for bids will be issued shortly.

SACRAMENTO, Cal.—City Commissioners award contract to Charles Harlowe, Jr., 2305 Fulton St., Berkeley, at $23,000 for excavating for the basin at the filtration plant. Unit bid follows: (1) $22,000; (2) $.72 cu. yd.; (3) $2 cu. yd. Coast Construction Co., San Francisco, bid $30,000. This bid was considered informal, as it was not entered in regular form. Other bids were.

J. A. Costello, Jr., San Francisco: Item one, $27,200; item two, 50 cents; item three, $1.

McDonald & Sayers, Sacramento: Item one, $29,400; item two, $1; item three, $1.

Chas. Miles, Sacramento: Item one, $36,400; item two, $1.30; item three, $1.60.

Frank C. McIntyre, Stockton: Item one, $25,100; item two, $1.10; item three, 50 cents.

SANTA ROSA, Sonoma Co., Cal.—The Proctor Co., Santa Rosa, at $333 have been awarded a contract by the Todd School District to install an automatic pressure water system in well on the school grounds. Other bidders: Ketteilil Bros., Santa Rosa, $348 and Dixon Hardware Co., Santa Rosa, three bids: $396.20, $347.85 and $288.50.

EL CENTRO, Imperial Co., Cal.—E. P. Watson Jr., has been appointed chief engineer of the Imperial County Highway Commission. He will prepare plans and specifications for two types of pavement to be constructed on county highways with the unused funds of the $1,500,000 bond issue, amounting to about $600,000. As soon as the plans and specifications are received the Supervisors will call for bids.

FRESNO, Fresno Co., Cal.—Geo. S. Benson & Sons, 247 Douglas Bldg., Los Angeles, were awarded contracts for grading and graveling two stretches of White's Bridge road, Route 1, Sec. C, county highway at $101,960 for part 1 and $80,550 for part 2. Bids submitted for part 3 were rejected. Chris Jensen, County Surveyor. Following are the bids:

Part 1—Geo. S. Benson & Sons, L. A., 2500 cu. yds. grading at $1.50 yd.; 32,200 tons gravel surfacing at $3.05 ton; total, $101,960. Isbell Constr. Co., Fresno, grading $1, gravel $3.55; total, $116,810. California Constr. Co. San Francisco, grading $1.60, gravel $3.62; total, $120,564. Engineer's estimate, grading $1, gravel $3.05; total $100,710.

Part 2—Geo. S. Benson & Sons, 509 cu. yds. grading at $1.50 yd.; 28,000 tons gravel at $2.85 ton; total, $80,550. California Constr. Co., grading, $1.60; gravel, $3.56; total, $100,480. Pellegrino & Co., Fresno, grading, $1.35; gravel, $4.19; total, $117,995. Engineer's estimate, grading $1, gravel $2.80; total, $78,900.

Part 3—Frank B. Marks, Dos Palos, 1000 cu. yds. grading at $1 yd.; 28,100 tons gravel at $3.38 ton; total, $95,978. California Constr Co., grading $1.60, gravel, $3.46; total $98,826. Engineer's estimate, grading $1, gravel $2.88; total $81,928.

HERMOSA BEACH, Cal.—Herman Wigman, 1905 Summit St., Hermosa Beach, awarded contract at $15,851 for paving Loma Dr., bids opened Sept. 6. The contract involves 26,866 sp. ft. 5-in. concrete paving with oiled top at 32c sq. ft. including grading; 2828 lin. ft. redwood headers at 35c ft.; 1804 ft. 8-in sewer at $1.88 ft.; 896 ft. 6-in. sewer at $1.61 ft.; 4 manholes at $140 each; 3 flush tanks at $1.90 each; 1 junction chamber, $1.40. Excavation amounts to about 5,444 cu. yds. Victor H. Staheli, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—Until Oct. 3, 11 a. m., bids will be received by J. H. Wells, County Clerk, for paving Section No. 3 of Division No. 23, which section is that portion of unpaved road between the east end of Crockett and the State Highway, a distance of 2,364 feet.

Separate bids, same date, for constructing retaining wall on south side of Starr Ave., east of Third Ave., in town of Valona. R. R. Arnold, County Engineer.

BANNING, Riverside Co., Cal.—The City Attorney has been instructed to prepare proceedings for paving 1 mile of Ramsey St. The California highway commission has agreed to pave 2 miles of Ramsey street if the city paves 1 mile. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, is City Engineer.

SACRAMENTO, Cal—J. W. Terrell, 1111 19th St., Sacramento, awarded contract by City Commission to improve alley between 12th and 13th Aves., 44th and 47th Sts., by constructing 8-in. vit. pipe sewer with 42 6-in. vit. wyes, 3 concrete manholes. Albert Givan, City Engineer.

SAN JOSE, Santa Clara Co. Cal.—Raisch Improvement Co., 46 Kearny St., San Francisco awarded contract by council to improve crossing at Second and Hensley Ave. at $.24½c sq. ft. asph. concrete pavement with 3-in. asphalt concrete foundation, 4 brick catchbasins at $80 each; 8-in. vit. pipe drains, $1.25 lin. ft.

Raisch Improvement Co. also awarded contract to improve Second St. from Hensley to Empire St. at $.24½c sq. ft. for asphaltic concrete pavement with 3½-in. asphalt concrete foundation. Wm. Popp, City Engineer.

WHITTIER, Los Angeles Co., Cal.—Wells & Bressler of Santa Ana, awarded contract for paving Alta Ave. from Hadley to Camilla, alley betw. Painter and Friends Aves. from College to Penn and also from Broadway to Luella; E. L. Garretson & Son, 1346 Fairfax Ave., Los Angeles, were awarded contracts for paving Bright Ave. from Broadway to Luella, Pasadena St. from Pickering to Citrus and Bright Ave. from Baldwin to Walnut; Evert M. Hinshaw, Whittier, was awarded contract for paving alley betw. Bright and Washington from College to Penn. All paving to be 5-in. concr.

FRESNO, Fresno Co., Cal.—City Commissioners petitioned to pave with Warrenite-Bitulithic Normal Ave. from Lucerne Lane to Van Ness Ave. Wm. Stranahan, Commissioner of Public Works.

PHOENIX, Ariz.—Twohy Bros. Co., Phoenix, was awarded contract for improving Washington St. from Fifth to 16th, involving 29,137.14 sq. yds. paving at $2.92 yd.; 96.74 sq. yds. paving at $3 yd.; 29,233.88 sq. yds. grading at 30c yd.; 11,048.24 lin ft. combined curb and gutter at $1.50 ft.; 1044 ft. 12-in. concr. pipe at $1.60 ft.; 663 ft. 12-in. vit. pipe at $3.25 ft.; 186 lin. ft. gutter at 92c ft.; 248.04 ft. curb at $1 ft.; 9½ storm water manholes at $375 each; 20 gutter inlets at $20 each; 20 concr. standpipes at $30 each; $73 st. signs at $5 each; 18 st. intersection terminations graded only, $10 each.

EUREKA, Humboldt Co., Cal.—Supervisors approve plans of County Surveyor A. J. Logan for proposed new road along the peninsula from Samoa toward Arcata.

(Continued on Page 31)

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
1957	Purcell	Owner	6000
1958	American	Hoyt	500
1959	Puccini	Moller	900
1960	Hersko	King	30000
1961	Rossi	Barrett	500
1962	Powers	Western	900
1963	May	Owner	800
1964	DeRyana	Republic	30000
1965	Schonig	Larsen	6900
1966	Goldberg	Malloch	500
1967	Buckbee	Swenson	500
1968	S. P. Co.	Delaney	500
1969	Lyons	Dunham	500
1970	McCutcheon	Kohn	900
1971	Chambers	Owner	600
1972	Nelson	Owner	3200
1973	Stoff	Owner	600
1974	Ginley	Owner	10000
1975	Standard	Crittal	4721
1976	Spreen	Hannah	36000
1977	Powers	Owner	700
1978	Sullivan	Barrett	32500
1979	Berghausen	Metropolis	3900
1980	Same	Same	10800
1981	Same	Same	9000
1982	Moneta	Arnott	5800
1983	Jenkins	Owner	900
1984	Janssen	Owner	3950
1985	Janssen	Owner	3950
1986	Janssen	Owner	9800
1987	Wilson	Wilson	4000
1988	Shenson	Graham	1000
1989	Clancy	Owner	55000
1990	Senn	Sorbi	2000
1991	Coburn	Owner	500
1992	Lynch	Johnson	500
1993	Esinol	Moller	1700
1994	Hansen	Owner	4000
1995	Michelson	Barrett	4800
1996	Haines	Nelson	1655
1997	Hemminga	Owner	6000
1998	Constine	Dolan	500
1999	Crawford	Watson	5000
2000	Steele	Owner	850
2001	Savage	Owner	35000
2002	Strand	Owner	18000
2003	Bell	Owner	45000
2004	Lindeman	Lindeman	5100
2005	Decia	Capelli	12500
2006	Fireman	Owner	500
2007	Robinson	Urfer	1105
2008	Alfs	Owner	1000
2009	Volker	Palmer	2000
2010	Payne's	Goodman	2500
2011	Chandler	Mangels	5000
2012	Murray	Rednall	950
2013	Nasser	Nelson	7989
2014	Same	Skelly	4084
2015	Hind	Hind	3000
2016	McDonald	Hamill	15000
2017	White	Owner	500
2018	Coleman	Owner	900
2019	Duvenick	Owner	500
2020	Orpheum	Todhunter	900
2021	Rosenfeld	Macdonald	30090
2022	Gray	Owner	8000
2023	O'Dowd	Ginley	900
2024	Molinari	Owner	800
2025	Teresi	Grahn	6600
2026	Rex	Owner	600
2027	Harvey	Thourp	5000
2028	N Y Hotel	McLeran	800
2029	Patigian	Arras	500
2030	Thomas	Merchant	18000
2031	Coburn	Owner	500
2032	Bjorkman	Owner	3000
2033	Gawthorne	Meinberger	10000
2034	Janssen	Owner	7000
2035	Same	Same	7000
2036	Same	Same	13000
2037	Same	Same	19500
2038	Same	Same	15800
2039	Same	Same	7000
2040	Hanson	Shaffer	1850
2041	Bertram	Meyer	13050
2042	Schmidt	Denke	10000

PERMITS

DWELLING
(1957) E 18TH AVE 75 N Anza. Two-story and basement dwelling.
Owner—J. S. Purcell, 856 Presidio Ave.
Architect—None.
Day's work. $6,000

CURB WALL
(1958) SE HOWARD AND FIRST streets. Construct curb wall for widening street.
Owner—American Smelters Securities Co., Merchants Ex. Bldg.
Architect—None.
Contractor—H. P. Hoyt, Monadnock Bldg. $500

ADDITION
(1959) 2317 JONES STREET. Addition of 2 sleeping rooms.
Owner—Mary and Alfred Puccini, 2317 Jones St.
Architect—None.
Contractor—Fred Moller, 180 Jessie St. $900

APARTMENTS
(1960) E LARKIN 87.6 N McAllister. Four-story and basement Class C (19) apartments.
Owner—S. Hersko, 552 McAllister St.
Architect—E. A. W. Baumgarten, 2160 15th St.
Contractor—W. S. King, 135 Webster St. $30,000

CONCRETE FLOOR
(1961) 2137 MISSION STREET. Concrete floor for market.
Owner—P. Rossi Co., 163 Sutter St.
Architect—None.
Contractor—Barrett and Hilp, Sharon Bldg. $500

ALTERATIONS, ETC.
(1962) 745 MARKET STREET. Alterations for store; magnesite flooring, etc.
Owner—Nellie S. Powers.
Architect—None.
Contractor—Western Hardwood Co., 1036 Market St. $900

RESIDENCE
(1963) W 19TH AVE 150 S Cabrillo. Two-story and basement frame residence.
Owner—A. M. May, 1329 Fell St., San Francisco.
Architect—None.
Day's work. $8,000

APARTMENTS
(1964) N PINE 105 E Leavenworth. Three-story and basement frame (12) apartments.
Owner—R. V. De Ryana, 1040 Lake St.
Architect—None.
Contractor—Republic Engineering Co., 1040 Lake St. $30,000

RESIDENCE
(1965) N SOTELLO 100 E Yosemite. Two-story and basement frame residence.
Owner—Herbert C. Schonig, 2271 Fulton St.
Architect—Glass and Butner, Hearst Bldg.
Contractor—Larsen-Siegrist Co., 807 Claus Spreckels Bldg. $6,900

PARTITIONS
(1966) 254 SUTTER STREET. Subdivide 2nd floor with lath and plaster partitions (lofts).
Owner—Goldberg, Bowen Co., 252 Sutter St.
Architect—S. Heiman, 57 Post St.
Contractor—J. S. Malloch, 180 Jessie St. $500

REPAIR, ETC.
(1967) 2280 SUTTER STREET. Repair damage to (2) flats; remove shingles and replace with tar and gravel roof.
Owner—Buckbee, Thorne Co., 151 Sutter St.
Architect—None.
Contractor—Swenson and Franzen, 145 Natoma St. $500

IRON LINING
(1968) 274 SPEAR STREET. Cover walls and ceilings of garage and machine shop with 28 gauge iron.
Owner—Southern Pacific Co., 65 Market St.
Architect—None.
Contractor—Chas. S. Delaney, 180 Jessie St. $500

REPAIRING, ETC.
(1969) 314-316 6TH AVENUE. Repair shingle roof; construct brick fireplace; general repairs for dwelling.
Owner—Mrs. Lyons, 314 6th Ave.
Architect—Plan by contractor.
Contractor—C. H. Dunham, 563 3rd Ave. $500

ADDITION, ETC.
(1970) 3997 24TH STREET. Raise frame residence and make addition of one story for store.
Owner—H. McCutcheon, 3997-24th St.
Architect—None.
Contractor—Frank Kohn, 1101 Rhode Island St. $900

ALTERATIONS, ETC.
(1971) 48 THIRD STREET (second floor). Alterations and changes for photographic laboratory.
Lessees—Reed M. Chambers & Co., 48 3rd St.
Architect—None.
Day's work. $600

DWELLING
(1972) E FORESTSIDE AVE 50 N Vicente. One-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, West Portal Park.
Architect—None.
Day's work. $3,200

JANITOR QUARTERS
(1973) S SUTTER 50 W Leavenworth. Construct residence quarters for janitor in apartments.
Owner—Louis D. Stoff, 845 Hyde St.
Architect—Albert Schroepfer, Nevada Bank Bldg.
Day's work. $600

FLATS
(1974) SW THIRTIETH AVE & California. Two-story and basement frame (4) flats.
Owner—Edw. Ginley, 131 5th Ave.
Architect—None.
Day's work. $10,000

RECORDED

FRAMES AND SASH
(1975) SW BUSH & SANSOME 206.3 x 137.6. Steel window frames and sash for office building.
Owner—Standard Oil Co.
Architect—G. W. Kelham, Sharon Bldg.
Contractor—Crittall Casement Window Co.
Filed Sept. 16, '21. Dated Aug. 1, '21.
Monthly 75%
Usual 35 days 25%
TOTAL COST, $4721
Bond, $2360.50; sureties, Globe Indemnity Co.; forfeit, none; limit, 90 days. Plans and specifications filed.

APARTMENT BLDG.
(1976) SE CLEMENT & 20TH AVE. 100 on 20th Ave x 70. Two-story and basement frame apartment building.
Owner—Fred Spreen.
Architect—E. Young, 251 Kearny St.
Contractor—Hannah Bros., 142 Sansome St.
Filed Sept. 16, '21. Dated Sept. 15, '21.
Between 1st and 10th each mo..75%
Usual 35 days.....25%
For actual cost plus 7½%.
TOTAL COST, not to exceed $36,000
Bond, sureties, forfeit, none; limit, 90 days. Plans and Specifications filed.
NOTE:—Permit reported Aug. 30, 1921, No. 1789.

ALTERATIONS
(1977)) 745 MARKET. Re-construct store front.
Owner—N. S. Powers, Premises.
Architect—None.
Day's work. $700

STORES
(1978) N MISSION 80 W New Montgomery. One-story and basement concrete stores.
Owner—Walter H. Sullivan, 129 Sutter St., San Francisco.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor — Barrett & Hilp, Sharon Bldg., San Francisco. $32,500

RESIDENCE
(1979) N PORTOLA DRIVE 134-6 E Kensington. One-story and basement frame residence.
Owner — Julius H. Berghauser, 333 Kearny St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Metropolis Investment Co., 333 Kearny St., San Francisco. $3900

RESIDENCES
(1980) N PORTOLA DRIVE 59, 210 and 281-8 E Kensington. Three one-story and basement frame residences.
Owner— Julius H. Berghauser, 333 Kearny St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Metropolis Investment Co., 333 Kearny St., San Francisco. $3600 each

RESIDENCES
(1981) S ULLOA 135-6, 200 and 263-6 E Kensington Way. Three one-story and basement frame residences.
Owner— Julius H. Berghauser, 333 Kearny St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Metropolis Investment Co., 333 Kearny St., San Francisco. $3000 each

RESIDENCE
(1982) W PARKER AVE 373-4 N Euclid Ave. One-story and basement frame residence.
Owner—Moneta Investment Co., 233 Pacific Bldg., San Francisco.
Architect—Bernard J. Joseph, 74 New Montgomery St., San Francisco.
Contractor — Jas. Arnott & Son, 4165 20th St., San Francisco. $5800

ALTERATIONS
(1983) 2267 UNION. Alter for basement garage.
Owner—De Witt Jenkins, Premises.
Architect—None.
Day's work. $900

RESIDENCE
(1984) W. 18TH AV. 150 N. Cabrillo. One-story and basement frame residence.
Owner—E. A. Janssen, 402 Hearst Bldg.
Architect—Plans by owner.
Day's work. $3950

RESIDENCE
(1985) E. 20TH AV. 100 N. Anza. One-story and basement frame residence.
Owner—E. A. Janssen, 402 Hearst Bldg.
Architect—Plans by owner.
Day's work $3950

FLATS
(1986) SW CABRILLO AND 18TH Ave. Two-story and basement frame (4) flats.
Owner—E. A. Janssen, 402 Hearst Bldg.
Architect—Plans by owner.
Day's work. $9800

RESIDENCES
(1987) E ASHTON AV 150 & 175 N De Montford. Two 1-story and basement frame residences.
Owner—Oscar Wilson, 420 Russia Av.
Architect—Chas. F. Strothoff, 2274 15th St.
Contractor—Wilson and Benson, 420 Russia Ave. $2000 ea.

ALTERATIONS, ETC.
(1988) NE EDDY AND BUCHANAN. Alterations for basement garage; cement flooring, etc.
Owner—R. Shenson, care Pershing Market, S. F.
Architect—None.
Contractor—R. I. Graham, 412 Locust St. $1000

APARTMENTS
(1989) W. HYDE 100 S. Pine. Four-story and basement brick (16) apartments.
Owner—D. J. Clancy, 2884 Folsom St.
Architect—Pla nsby owner.
Day's work. $55,000

RESIDENCE
(1990) W. LONDON 119 N. Amazon. One-story and basement frame residence.
Owner—J. Senn, 11 Leo St.
Architect—None.
Contractor, A. Sorbi, 534 Edinburgh St. $2000

GARAGE
(1991) 2556-2574 LOMBARD ST. Construct frame garage in rear of flats.
Owner—Chas. Coburn, 180 Jessie St.
Architect—None.
Day's work. $500

CHANGE STORE FRONT
(1992) 2704 MISSION ST. Change store front.
Owner—K. C. Lynch, 270 Divisadero St.
Architect—None.
Contractor—P. E. Johnson, 384 Lexington Ave. $500

EXCAVATE, ETC.
(1993) 1317 STOCKTON ST. Excavate for sidewalk; construct slabs and beams of reinforced concrete; also concrete retaining walls.
Owner—A. Esinol, 1317 Stockton St.
Architect—None.
Contractor—Fred Moller, 180 Jessie So. $1700

DWELLING
(1994) E. 20TH AV. 150 S. Pacheco. One-story and basement frame dwelling.
Owner—May P. Hansen, 2020 20th Av.
Designer and Contractor—L. Hansen, 2020 20th Av.
Day's work. $4000

RESIDENCE
(1995) E. 23RD AV. 225 S. Balboa. Two-story and basement frame residence.
Owner—Harry M. Michelson, 1363 7th Av.
Architect—Plans by owner.
Contractor—Barrett and Hilp, Sharon Bldg., S. F. $4800

ALTERATIONS
(1996) NO. 726 BALBOA ST. Construct terrazzo steps; tile landing; painting, papering and oak flooring for dwelling.
Owner—Henry Haines.
Architect—None.
Contractor — P. Algot Nelson, 205 Eureka St., San Francisco. $1655

RESIDENCE
(1997) SW CABRILLO AND TWENTY-second Ave. Two-story and basement frame residence.
Owner—Nick Hemminga, 3950 22nd St., San Francisco.
Architect—None.
Day's work. $6000

ALTERATIONS
(1998) 1248-1252 ELLIS. Plaster front of dwellings; construct terrazzo steps.
Owner—Mrs. Eva Constine, 1252 Ellis St., San Francisco.
Architect—None.
Contractor—B. F. Dolan, 16 College Ave., San Francisco. $500

RESIDENCE
(1999) E FAXON AVE 160 N Wildwood. One-story and basement frame residence.
Owner—Wm. Crawford, 24 California St., San Francisco.
Architect—None.
Contractor—G. E. Watson, 1242 6th Ave. Stn Francisco. $5000

ALTERATIONS
(2000) NO. 452-B HARRISON. Repair fire damage and paint exterior of residence.
Owner—Estate W. J. Steele, 1117 Ellis St., San Francisco.
Architect—None.
Day's work. $850

FLATS
(2001) NE LAKE AND TWENTY-fifth Ave. Three-story and basement frame (6) flats.
Owner — W. A. Savage, 81 7th Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $35,000

FLATS
(2002) W NINTH AVE 175, 200 and 225 S Lake. Three two-story and basement frame (2) flats.
Owner—T. I. Strand, 614 Broderick St., San Francisco.
Plans by Owner.
Day's work. $6000 each

APARTMENTS
(2003) S PINE 171-10½ W Mason. Three-story and basement frame (15) apartments.
Owner—Margaret Bell, 716 Funston Ave., San Francisco.
Architect—None.
Day's work. $45,000

RESIDENCE
(2004) E TENTH AVE 200 N Anza. One-story and basement frame residence.

Owner—H. O. Lindeman, 232 Anza St., San Francisco.
Plans by Contractor.
Contractor—W. R. Lindeman, 530 Balboa St., San Francisco. $5100

RECORDED

FRAME BLDG.
(2005) N. PINE, 206-3 W. Fillmore W. 34-4½ x N. 137-6. All work for a 2-story and basement frame bldg.
Owner—S. Decia, 2516 California St.
Architect—Plans by contractor.
Contractor—G. Capelli and G. B. Cesio, 491 Greenwich St.
Filed Sept. 19, '21. Dated Aug. —, '21.
When concrete walls are up....$2000
Rustic and gravel-tar roof on.. 4000
Completed and accepted..... 4000
Usual 35 days 2500
TOTAL COST, $12,500
Bond, $6250; sureties, G. B. Cesio and V. Traverso; forfeit, $1; limit, 190 days. Plans and specifications filed.
NOTE:—Permit reported Sept. 1, '21, No. 1799.

ALTERATIONS
(2006) 582-584 GROVE. Construct 4 bathrooms in flats.
Owner—Benj. Fireman, 663 Hayes St., San Francisco.
Architect—None.
Day's work. $500

ALTERATIONS
(2007) NO. 2257 GREEN. Extend dining room; enlarge windows, etc. of dwelling.
Owner—O. M. Robinson, Premises.
Architect—None.
Contractor—Chas. E. Urfer, 134 Halleck St., San Francisco. $1105

BULKHEAD
(2008) NO. 635-639 HOWARD. Construct bulkhead, etc., for street widening.
Owner—W. H. A. Alfs, 425 Kearny St., San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Day's work. $1000

ALTERATIONS
(2009) S HOWARD 206-3 W Second. Reconstruct sidewalks for street widening.
Owner—Wm. Volker & Co., 180 New Montgomery St., San Francisco.
Architect—Willis C. Lowe, Monadnock Bldg., San Francisco.
Contractor — Palmer & Petersen, 782 Monadnock Bldg., San Francisco. $2000

ALTERATIONS
(2010) SE HOWARD AND MAIN. Reconstruction for street widening.
Owner—Payne's Bolt Works, Howard & Main Sts., San Francisco.
Architect—Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Geo. Goodman Artificial Stone Co., 35 Montgomery St., San Francisco. $2500

RESIDENCE
(2011) LOT 19 BLK 2, St. Francis Wood. Two-story and basement frame residence.
Owner—D. B. Chandler, 22 Battery St., San Francisco.
Architect — Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco. $5000

GARAGE
(2012) NE SCOTT AND VALLEJO. Alter for private garage.
Owner—Hamilton Murray, 2700 Scott St., San Francisco.
Architect—None.
Contractor—W. W. Rednall, 2500 Filbert St., San Francisco. $950

RECORDED

HEATING
(2013) E CASTRO 100 S Seventeenth S 99-9 E 80 S 75-3 E 68 N 175 W 148. All work for heating and ventilating building.
Owner—Nasser Brothers, 2961 16th St., San Francisco.
Architect—Timothy L. Pflueger, Lick Bldg., San Francisco.
Contractor—James N. Nelson, 517 6th St., San Francisco.
Filed Sept. 20, '21. Dated Sept. 19, '21.
On 5th day of each month.... 75%
Usual 35 days..... 25%
TOTAL COST, $7989.00
Bond, $3994. Surety, Fidelity & Deposit Co. of Maryland. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

(2014) PLUMBING, DRAINAGE, GAS-fitting, hose reels, vacuum cleaning pipes, etc., on above.
Contractor—Thomas Skelly, 660 Precita Ave., San Francisco.
Filed Sept. 20, '21. Dated Sept. 14, '21.
Payments same as above.....
TOTAL COST, $4081
Bond, $2042. Surety, Fidelity & Deposit Co. of Maryland. Limit, when needed. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2015) SE ACADEMY 30 NE Charles NE 32 SE 94 m or l SW 32 NW Ptn. Lots 27 to 30 Blk 17, Fairmont Tct. All work for one-story and basement frame residence.
Owner—A. E. Hind, Colusa, Cal.
Architect—W. G. Hind, 3885 Webster St., Oakland.
Contractor —Harry W. Hind, 2012 Channing Way, Berkeley.
Filed Sept. 20, '21. Dated Sept. 20, '21.
Rustic and roof boards on.....$750
Brown coated 750
Completed and accepted..... 100
Usual 35 days..... 750
TOTAL COST, $3000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today

FRAME FLATS
(2016) SW ANZA AND TWENTY-third Ave. Two-story and basement frame (4) flats.
Owner—Wm. McDonald, Fort Funston, Calif.
Architect—M. Morrison, 716 41st Ave., San Francisco.
Contractor — Thos. Hamill, 707 42nd Ave., San Francisco. $15,000

REPAIRS
(2017) SW FILLMORE & MOULTON. Repair roof; skylights; install window for factory.
Lessee—Ed. F. White, 1955 Chestnut St., San Francisco.
Architect—None.
Day's work. $500

MOVE, ETC.
(2018) S CALIFORNIA 57-6 W 12th Ave. Move, alter and repair dwlg.
Owenr—E. Coleman, 5516 Geary St., San Francisco.
Plans by Owner.
Day's work. $900

ALTERATIONS
(2019) NW DOLORES AND 17TH. Alterations for store.
Owner—Ernest Duvenick, 28 Elgin Park, San Francisco.
Architect—None.
Day's work. $500

REPAIRS
(2020) 111 O'FARRELL ST. Repair fire damage in restaurant.
Owner—Orpheum Theatre.
Architect—None.
Contractor—Geo. C. Todhunter, 1088 Ashbury St., San Francisco. $900

MACHINE SHOPS
(2021) N PINE 200 and 250 W Larkin. Two one-story brick machine shop buildings.
Owner — Henry Rosenfeld, 130 Montgomery St., San Francisco.
Architect— Macdonald & Kahn, 130 Montgomery St., San Francisco.
Contractor—Macdonald & Kahn, 130 Montgomery St., San Francisco. $15,000 each

RESIDENCES
(2022) W TWENTY-SECOND AVE 124-5 and 149-5 N Cabrillo. Two one-story and basement frame residences.
Owner—Alfred J. Gray, 763 11th Ave., San Francisco.
Architect—Willis C. Lowe, 782 Monadnock Bldg., San Francisco.
Day's work. $4000 each

ADDITION
(2023) 270 ELEVENTH AVE. Add sleeping porches; concrete basement floor, etc., for dwelling.
Owner—Maurice O'Dowd, Premises.
Architect—None.
Contractor—E. Ginley, 131 5th Ave., San Francisco. $900

ALTERATIONS
(2024) 950 UNION. Alterations and repairs to residence.
Owner—G. Molinari, Premises.
Architect—None.
Day's work. $800

RECORDED

RESIDENCE
(2025) SW FOLSOM AND BESSIE S 25 xW 80. All work for two-story frame building, store and residence.
Owner—Guiseppe and Doretes Teresi, 20 Bessie St., San Francisco.
Architect—M. J. Welsh, Los Altos, Cal.
Contractor—W. H. Grahn, 2840 Bryant St., San Francisco.
Filed Sept. 21, '21. Dated Sept. 21, '21.
Frame up $1650
Brown mortar on..... 1650
Completed and accepted..... 1650
Usual 35 days..... 1650
TOTAL COST, $6600
Bond, $3000. Sureties, W. Esters Von Krahan and Geo. H. Preston. Limit, 90 days after Sept. 23. Forfeit, $2. Plans and specifications filed.

ALTERATIONS
(2026) 128 EDDY ST. Cut in show windows for dairy lunch.
Owner—Rex Lunch Co., Premises.
Architect—None.
Day's work. $600

RESIDENCE
(2027) W EIGHTEENTH AVE 225 S Balboa. One-story and basement frame residence.
Owner—Charles P. Harvey, 150 Guerrero St., San Francisco.
Plans by Contractor.
Contractor — J. H. Thorup, 654 21st Ave., San Francisco. $5000

RETAINING WALL
(2028) 753 HOWARD. Construct brick retaining wall.
Owner—New York Hotel, Premises.
Architect—None.
Contractor—R. McLeran Co., Hearst Bldg., San Francisco. $800

GARAGE
(2029) NE FRANCISCO AND HYDE. One-story frame private garage.
Owner—Mrs. Haig Patigian, 898 Francisco St., San Francisco.
Architect—None.
Contractor—Adam Arras Co., 180 Jessie St., San Francisco. $500

CLEANING DEPT.
(2030) S JESSIE bet. 9th and 10th. One-story and part basement brick renovating and cleaning department.

Owner—F. Thomas Parisian Dyeing & Cleaning Works, 27 10th St., San Francisco.
Plans by Owner.
Contractor—C. T. Merchant, 180 Jessie St., San Francisco. $18,000

GARAGE
(2031) 2556-74 LOMBARD. One-story frame private garage for 6 machines.
Owner—Chas. Coburn, 180 Jessie St., San Francisco.
Architect—None.
Day's work. $500

RESIDENCE
(2032) W MISSION 315 N Charles. Two-story and basement frame residence.
Owner—Victor Bjorkman, 3214 Mission St., San Francisco.
Architect—None.
Day's work. $3000

FLATS
(2033) S BALBOA 57-6 E 17th Ave. Two-story and basement frame flats.
Owner—J. Evelyn Gawthrone, 497 28th Ave., San Francisco.
Architect—None.
Contractor—H. S. Meinberger, 5720 California St., San Francisco. $10,000

FRAME FLATS
(2034) N CALIFORNIA 82 W Seventh Ave. Two-story and basement frame (2) flats.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—H. G. Stoner, 61 New Montgomery St., San Francisco.
Day's work. $7000

FRAME FLATS
(2035) E FIFTEENTH AVE 288 S Anza. Two-story and basement frame (2) flats.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—H. G. Stoner, 61 New Montgomery St., San Francisco.
Day's work. $7000

FRAME FLATS
(2036) E EIGHTH AVE 80-4 and 105-4 N Cabrillo. Two two-story and basement frame (2) flat buildings.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—H. G. Stoner, 61 New Montgomery St., San Francisco.
Day's work. $6500 each

FRAME FLATS
(2037) W EIGHTH AVE 25, 50 and 75 S Balboa. Three two-story and basement frame (2) flat buildings.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—H. G. Stoner, 61 New Montgomery St., San Francisco.
Day's work. $6500 each

FRAME RESIDENCES
(2038) W SEVENTEENTH AVE 25, 50, 75 and 225 S Cabrillo. Four 1-story and basement frame residences.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Plans by Owner.
Day's work. $3950 each

FRAME FLATS
(2039) W NINETEENTH AVE 250 S Clement. Two-story and basement frame (2) flats.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—H. G. Stoner, 61 New Montgomery St., San Francisco.
Day's work. $7000

FRAME RESIDENCE
(2040) W TWENTY-EIGHTH AVE 225 N Taraval. One-story and basement frame residence.
Owner—C. M. Hanson, 316 Lombard St., San Francisco.
Architect—None.
Contractor—W. H. Shaffer, 316 London St., San Francisco. $1800

RECORDED

RESIDENCES
(2041) W 40TH AVE about 100 N Geary. Three 1-story frame residences.
Owner—George Bertram and George Becker, 300 2nd Ave.
Architect—None.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St.
Filed Sept. 22, '21. Dated Sept. 20, '21
Frame up $3,262.50
Brown coated 3,262.50
Completed and accepted ... 3,262.50
Usual 35 days 3,262.50
TOTAL COST, $13,050.00
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

RESIDENCE, ETC.
(2042) W BUENA VISTA AVE 244 N Frederick N 50 W 171-1⅝ S 41 E 155-6⅝. Two-story frame residence and laboratory in rear.
Owner—H. M. Schmidt.
Architect and Contractor—E. H. Denke, 1317 Hyde St.
Filed Sept. 22, '21. Dated Sept. 22, '21.
Second floor joists in place....$1875
Enclosed and roof on..... 1875
Plastered 1875
Completed and accepted 1875
Usual 35 days 2500
TOTAL COST, $10,000
Bond, $5000; surety, Ella H. Denke; forfeit, limit, none. Plans and specifications filed.
NOTE:—Permit reported July 16, 1921, No. 1520.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Sept. 21, 1921—SE CARL AND HILLWAY Ave 30x100. Jos E and Mary F Swift to whom it may concern.. .....Sept. 21, 1921
Sept. 21, 1921—SW TWENTIETH AV and Balboa S 150xW 82-6. Theodore G and Rollin E Meyer to whom it may concern.....Sept. 19, 1921
Sept. 21, 1921—LOT 30x80 on SE Cor. 18th and Capp. Alice A Power and Nellie G Barry to whom it may concern.....Sept. 21, 1921
Sept. 20, 1921—NW LAIDLEY 238 SW Rounoke SW 25xNW 100 Lot 141 Blk 4, Fmt. Madelena and John R Douglass to Nels A Anderson .....Sept. 20, 1921
Sept. 20, 1921—NO. 2777 TWENTY-third. Mrs. Mary Lindberg and Capt K W Lindberg to J H Verner .....Sept. 20, 1921
Sept. 20, 1921—N GEARY 57-6 W 5th Ave W 25xN 100. Fred K Perry to whom it may concern....Sept. 20, '21
Sept. 20, 1921—E SHRADER 100 N Page N 37-6⅝ 106-3. Edward S Sullivan to W H Ewing and G McHardy and J Looney....Sept. 19, 1921
Sept. 20, 1921—S CALIFORNIA 90-6 E Franklin E 60xS 137-6. Ernest Hanni to Adam Arras Co. Sept. 20, '21
Sept. 20, 1921—NE NINETEENTH AV and Fulton. Frank H Doane to Jas F Smith..... Sept. 19, 1921
Sept. 19, 1921—W 22ND AVE 275 S Anza 25x120. T. E. Mohler to whom it may concern..Sept. 19, 1921
Sept. 19, 1921—225 AND 250 FT N Anza E side 24th Ave. Alex Ruwich to Thomas Hamill..July 16, 1921
Sept. 19, 1921—W 17TH AV 250 S Cabrillo S 25 x W 120. Frieda L. Gingg to Theodore G and Rollin E. Meyer .....Sept. 13, 1921
Sept. 19, 1921—NE COMMERCIAL & Leidesdorff extending 45 E Commercial and 59-9 N along Leidesdorff. L H Nishkian to Jas Hjul. .....Sept. 19, 1921
Sept. 17, 1921—S MISSION 85 E 8th 40 x80. Ida Goetze to H T Ludwig .....Sept. 14, 1921
Sept. 17, 1921—E PALM AVE 445-8 N Geary N 41xE 120. Mrs Ethel C Jorgensen to whom it may concern .....Sept. 16, 1921
Sept. 16, 1921—S BRANNAN — W 8th. The Western Pacific Railroad Co to T Hemi and Alex Pape (as Alta Roofing Co.....Sept. 6, 1921
Sept. 16, 1921—LOT 18 BLK 3110, Westwood Park. Hans Nelson to whom it may concern..Sept. 15, 1921
Sept. 16, 1921—NE DELAWARE & Humboldt E 200 N 100 W 200 S to beg. Pacific Gas & Electric Co to Robert Henry, Daniel A McDonald and Robert A Henry (as Pacific Coast Boiler Works....Sept. 16, 1921
Sept. 16, 1921—NW BROADWAY & Sansome N 137-6xW 137-6. Union Trust Co tr Elizabeth Strother, deed to San Francisco Elevator Co .....Sept. 15, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
Sept. 22, 1921—594 FORTY-THIRD Ave NE Cor. A St. and 43rd Ave. Elmer Hill vs Anna T Fronefield..$65

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount
Sept. 21, 1921—E SEVENTEENTH AV 228-11 N Clement N 50xE 120. Forsyth & Co to Thore I Strand and R W Parker .....
Sept. 21, 1921—NO. 319 TWENTY-seventh Ave. H S Buckley to E T Mitchell and R Milward.....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Sept. 20, 1921—E MISSION 160 S 17th S 49-10⅝xE 122-6. Edwin G Olsen as to improvements on property.
Sept. 20, 1921—SW FILLMORE & Moulton S 60xW 80. John S Howell as to improvements on property..

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
3170	Irwin	Owner	500
3171	Marshall	Owner	500
3172	Moos	Owner	1000
3173	Whalin	Owner	4000
3174	Freitas	Silva	2500
3175	Newlander	Strang	4500
3176	Davies	Owner	4500
3177	McCord	Owner	4800
3178	Westphal	Stolte	6600
3179	Buonlamperto	Hempel	500
3180	Spott	Williams	1600
3181	Serpa	Booth	1000
3182	Hartwig	Steffen	1500
3183	Niles	Scott	3772
3184	Greenan	Owner	1200
3185	Thomson	Engler	6800
3186	Ehrenford	Wieben	400
3187	Retzer	Hauri	750
3188	Sunset	Sandkuhle	500
3189	Otto	Little	500
3190	Seffen	Owner	600
3191	Brasker	Cal.	13000
3192	Rew	Owner	3000
3193	Mazzanti	Owner	2500
[illegible]	McDowell	Corbett	900
[illegible]	Salinger	Kennedy	1000
3196	Struble	Warren	4500
3197	Oxsley	Malley	5000
3198	Hamilton	Owner	1600
3199	Warshauer	Rankin	$300

No.	Owner	Contractor	Amt.
3200	Foneri	Perona	500
3201	Sykes	Larmer	3000
3202	Dunhem	Dodge	3700
3203	Swansson	Robins	4350
3204	Galbraith	Tranmal	3346
3205	Orven	Long	13000
3206	Mason	Hendricks	2200
3207	Cardwell	Owner	5000
3208	Cal Nat Prod	Owner	400
3209	Armanino	Owner	1800
3210	Merritt	Sims	1500
3211	Sims	Owner	4000
3212	Lovett	Benson	3500
3213	Woodburn	Owner	4000
3214	Murphy	Owner	4750
3215	Hansen	Larsen	3150
3216	Walworth	Owner	450
3217	Church	Ahnefeld	3000
3218	Jensen	Owner	400
3219	Young	Owner	400
3220	Nightengale	McCord	750
3221	Souza	Owner	3000
3222	Montour	Nall	6800
3223	Teixeira	Owner	2250
3224	Underwood	Owner	1000
3225	Capwell	Owner	200000
3226	Barielles	Stolte	4020
3227	Martens	Texdahl	2500
3228	Cohn	McMillen	450
3229	Raun	Owner	6000
3230	Haslett	Haggard	600
3231	Cranz	Oakley	3500
3232	Danton	Chapton	1000
3233	Meads	Nelson	2800
3234	Hutt	Fish	735
3235	Pfrang	Owner	5000
3236	Johnson	Pfrang	5350
3237	Bankhead	Martin	4000
3238	Brennan	Graybill	1500
3239	Hayes	Sullivan	400
3240	Swanson	Goranson	1650
3241	Bassford	Norlin	3850
3242	Young	Owner	3500
3243	Audenyi	Sommarstrom	7850
3244	Hollidge	Owner	4800
3245	Werthman	Johnson	2000
3246	Johnson	Williams	5500
3247	Gorrill	Schwalm	10800
3248	Foertsch	Holm	3200
3249	Blasdel	Thormalley	5515
3250	Harris	Westlung	11787
3251	Murphy	Turner	400
3252	Miller	Owner	500
3253	Meadows	Owner	1500
3254	Economy	Jennings	1100
3255	Ventura	Moore	1700
3256	Fisher	Owner	6000
3257	Weitman	Fernandes	1300
3258	Grove	Schnebly	800
3259	Fuller	Schnebly	495
3260	Lewis	Owner	450
3261	Sun	Busby	500
3262	Wakefield	McGinty	42856

PERMITS

REPAIRS
(3170) 3010-12 ADELINE ST., Berkeley. Repairs.
Owner—H. D. Irwin, 3328 King St., Berkeley.
Architect—None.
Day's work. $500

ALTERATIONS
(3171) 2249 TELEGRAPH AVE., Berkeley. Alterations.
Owner—J. A. Marshall, 18 Tanglewood Road, Berkeley.
Architect—None.
Day's work. $500

DWELLING
(3172) E BROWN AVE 100 N Wisconsin, Oakland. One-story three-room dwelling.
Owner—William Moos, 3810 Wisconsin St., Oakland.
Architect—None.
Day's work. $1000

DWELLING
(3173) N AILEEN 200 E Gaskill, Oakland. One-story 5-room dwlg.
Owner—J. F. Whalin, 427 Federal Bldg., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(3174) S BROCKHURST 370 W West, Oakland. One-story 5-room dwlg.
Owner—A. Freitas, 1324 32nd, Oakland.
Architect—None.
Contractor—J. P. Silva, 870 46th St., Oakland. $2500

DWELLING
(3175) N EXCELSIOR AVE 150 E Alma Ave., Oakland. One and one-half-story 6-room dwelling.
Owner—O. Newlander.
Architect—None.
Contractor—Fred Strang, 1405 Central Ave., Ala.; cost, $4500.

DWELLING
(3176) S E-THIRTY-THIRD 175 E Park Blvd., Oakland. One-story 5-room dwelling.
Owner—Robert Davies, Syndicate Bldg. Oakland.
Architect—None.
Day's work. $4500

DWELLINGS
(3177) E FIFTY-SECOND AVE 70 S Wentworth Ave and SE corner, Oakland. Two one-story 4-room dwellings.
Owner—J. McCord, 4323 E-14th St., Oakland.
Architect—None.
Day's work. $2400 each

DWELLINGS
(3178) N FORTY-SECOND 350 & 370 E Grove, Oakland. Two one-story 5-room dwellings.
Owner—Geo. Westphal, 103 Montecito Ave., Oakland.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland. $3300 each

DWELLING
(3179) W HOPKINS 150 N 55th Ave., Oakland. One-story 3-room dwlg.
Owner — Antonio Buonlamperto, 6119 Hayes St., Oakland.
Architect—None.
Contractor—Chas. Hempel, 5925 Hayes St., Oakland. $500

STORAGE ROOM
(3180) W MYRTLE AND SAN PABLO Ave., Oakland. One-story 1-room storage room.
Owner—Paul Spott, 3814 Seminary Av., Oakland.
Architect—None.
Contractor—L. W. Williams, 1919 San Pablo Ave., Oakland. $1600

ALTERATIONS
(3181) 1739 TENTH AVE., Oakland. Alterations.
Owner—Mrs. Serpa, Premises.
Architect—None.
Contractor—W. J. Booth. $1000

DWELLING
(3182) 1745 HIGH ST., Oakland. One-story 3-room dwelling.
Owner—C. Hartwig, Premises.
Architect—None.
Contractor—G. W. Steffen, 1941 Crosby St., Oakland. $1500

HEATING PLANT
(3183) GRAMMAR SCHOOL GROUNDS, Niles. All work for steam heating plant.
Owner—Board of Trustees of the Niles School District, Joe D. Gomes, Clerk.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—Scott Co.
Filed Sept. 17, '21. Dated Aug. 31, '21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $3772
Bond, none. Limit, 30 days. Forfeit, $5. Specifications only filed.

ALTERATIONS, ETC.
(3184) REAR 1737 WALNUT ST., Berkeley. Alterations and addition.
Owner—James O. Greenan, Premises.
Architect—None.
Day's work. $1200

DWELLING
(3185) S. RUSSELL ST. 200 E. Piedmont Ave., Berkeley. Two-story 7-room dwelling.
Owner—Elinor Thomson, Howe St., Oakland.
Architect—None.
Contractor—Louis Engler, 2940 Forest Ave., Berkeley. $6800

ALTERATIONS
(3186) 3304 E. 14TH ST., Oakland. Alterations.
Owner—G. W. Ehrenford, 830 4th Ave. Oakland.
Architect—None.
Contractor—A. C. Wieben, 3602 Fruitvale Ave., Oakland. $400

ALTERATIONS, ETC.
(3187) N. 41ST ST 200 E. Telegraph Ave., Oakland. Alterations and addition.
Owner—Wm. Retzer and E. Bachetold, 488 41st St., Oakland.
Architect—None.
Contractor—Hauri & Wierk, 822 56th St., Oakland. $750

GREENHOUSE
(3188) 92 41ST ST., Oakland. One-story greenhouse.
Owner—Sunset Nursery Co., premises.
Architect—None.
Contractor—H. J. Sandkuhle, premises. $500

GARAGE
(3189) 362 HUDSON ST., Oakland Garage.
Owner—Jess Otto, premises.
Architect—None.
Contractor—J. B. Little, premises. $500

DWELLING
(3190) E. 104TH AVE. 50 S. Graffian Oakland. One-story 4-room dwelling.
Owner—F. Seffen, 2029 Pierce St., San Francisco.
Architect—None.
Day's work. $600

APARTMENTS
(3191) W. BRUSH ST. 50 N. 15th St. Oakland. Two-story 16-room apartments.
Owner—H. S. Brasker, 1534 Franklin St., Oakland.
Architect—None.
Contractor—California Builders Co. 1534 Franklin St. $13000

DWELLING
(3192) W. DANA ST. 282 N. 63rd St. Oakland. One-story 4-room dwelling.
Owner—J. W. Rew, 5364 Boyd Ave. Oakland.
Architect—None.
Day's work. $3000

ALTERATIONS
(3193) 3431 E. 14TH ST., Oakland Alterations.
Owner—Mazzanto & O. Travaglini, 352[illegible] E. 14th St., Oakland.
Architect—None.
Day's work. $250

ALTERATIONS
(3194) 538 15TH ST., Oakland. Alterations.
Owner—McDowell & Harding, Premises.
Architect—None.
Contractor—Corbett & Bayless. 111[illegible] Franklin St., Oakland. $90

ALTERATIONS
(3195) 179 GRAND AVE., Oakland Alterations.

Owner—A. M. Salinger, 1125 Broadway, Oakland.
Architect—None.
Contractor—F. T. Kennedy, 434 9th St., Oakland $1000

DWELLING
(3196) E. HEARN ST. 190 S. Chabot Rd., Oakland. One-story 6-room dwelling.
Owner—C. J. Struble, 2551 Dwight Way, Berkeley.
Architect—None.
Contractor—C. H. Warren, 2615 Derby St., Berkeley. $4500

DWELLING
(3197) NE MORAGA RD. AND SKYline Blvd., Oakland. One-story 6-room dwelling.
Owner—W. Oxley.
Architect—None.
Contractor—H. Malley, 2947 West St., Oakland. $5000

DWELLING
(3198) N. OLIVE ST. 300 E. 92nd Ave., Oakland. One-story 5-room dwelling.
Owner—Leonard Hamilton, 9316 Olive, Oakland.
Architect—None.
Day's work $1600

DWELLING
(3199) S. SANTA RAY AVE. 75 W. Calmar, Oakland. Two-story 9-room dwelling.
Owner—Fred Warshauer, 9 Geary St., San Francisco.
Architect—P. J. Herold, San Francisco.
Contractor—S. G. Rankin, 712 Haddon Rd., Oakland. $8300

ALTERATIONS
(3200) 1818 SAN PABLO AVE., Oakland. Alterations.
Owner—A. Forneris, 901 Excelsion Ave., Oakland.
Architect—None.
Contractor—John Perona, 570 7th St., Oakland. $500

DWELLING
(3201) E. STEINWAY AVE. 200 N. Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—T. Sykes, San Francisco.
Architect—None.
Contractor—Edw. Larmer, 90 Fairview Ave., Piedmont. $3000

DWELLING
(3202) E. 68TH AVE. 247 N. Flora St., Oakland. One-story 5-room dwelling.
Owner—Augusta Duhem, 1902 Fruitvale Ave., Oakland.
Architect—None.
Contractor—C. F. Dodge, 5494 Bond St., Oakland. $3700

DWELLING
(3203) E. WARFIELD 250 S. Blvd. Way, Oakland. One-story 6-room dwelling.
Owner—John Swanson, 6331 Colby St., Oakland.
Architect—None.
Contractor—R. G. Rollins, 5119 Broadway, Oakland. $4350

RECORDED

DWELLING
(3204) SE COR. SHATTUCK AVE. and Eunice St. E. 100 for pt. begin. E. 35 S. 40, Berkeley. Two-story frame dwelling.
Owner—Alma S. Galbraith, Berkeley.
Architect—Walter T. Steilberg, Flatiron Bldg., San Francisco.
Contractor—Enoch Tranmal, 483 Crescent St., Oakland.
Filed Sept. 19, '21. Dated Sept. 15, '21.
Alternate Fridays 75%
Usual 35 days 25%
TOTAL COST, $3346
Bond sureties, none. forfeit, 50c per day, limit, 100 days. Plans and specifications filed.

STORE BLDG.
(3205) W. ADELINE ST. 60 S. Harmon St. S. 39.57 W. 90.85 N. 36.57 E. 103.83, Berkeley. One-story brick store building.
Owner—Garrett Owen, 3270 Adeline St., Berkeley.
Architect—Not given.
Contractor—The Roy O. Long Co., 2114 Shattuck Ave., Berkeley.
Filed Sept. 19, '21. Dated Sept. 17, '21.
Brick walls up to ceiling joists..25%
Roof on 25%
Completed and accepted.....25%
Usual 35 days 25%
TOTAL COST, $13,000
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

DWELLING
(3206) W CURTIS 180 N Allston, Berkeley. One-story 4-room dwlg.
Owner—Miss Gertrude H. Mason, 2627 Channing Way, Berkeley.
Architect—None.
Contractor—A. T. Hendricks, Fairview Ave., Piedmont. $2200

DWELLING
(3207) NE ELLSWORTH AND HOWE Berkeley. Two-story 6-room tile dwelling.
Owner—H. H. Cardwell, 658 22nd St., Oakland.
Architect—None.
Day's work. $5000

FACTORY
(3208) NO. 2118 FOURTH ST., Berkeley. One-story galvanized iron factory.
Owner—California Nat. Products Co., Premises.
Architect—None.
Day's work. $400

DWELLING
(3209) N ARMANINO COURT 100 E College Ave., Oakland. One-story 4-room dwelling.
Owner—Frank Armanino, 498 Hudson St., Oakland.
Architect—None.
Day's work. $1800

DWELLING
(3210) E 42ND AVE 400 N Foothill Blvd., Oakland. One-story 2-room dwelling.
Owner—J. W. Merritt, 1950 42nd Ave., Oakland.
Architect—None.
Contractor—W. H. Sims. $1500

DWELLING
(3211) E 42ND AVE 340 N Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—W. H. Sims, 1926 64th Ave., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(3212) N E-24TH ST 275 E 21st Ave., Oakland. One-story 5-room dwelling.
Owner—Roy H. Lovett, 2128 E. 24th St., Oakland.
Architect—None.
Contractor—Martin Benson, 3700 Foothill Blvd., Oakland. $3500

DWELLING
(3213) N EDGEWOOD AVE 150 N El Centro, Oakland. One-story 6-room dwelling.
Owner—P. E. Woodburn, 3965 Greenwood Ave., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(3214) E EDGEWOOD 170 N El Centro, Oakland. One-story 5-room dwelling.
Owner—J. E. Murphy, 1916 Franklin St., Oakland.
Architect—None.
Day's work $4750

DWELLING
(3215) N 55TH ST between Genoa and Market, Oakland. One-story 4-room dwelling.
Owner—Elizabeth Hansen, 1225 6th Ave., Oakland.
Architect—None.
Contractor—Robert Larsen, 339 63rd St., Oakland. $3150

ALTERATIONS
(3216) NO. 828 FIFTY-FOURTH ST., Oakland. Alterations.
Owner—C. H. Walworth, Premises.
Architect—None.
Day's work. $450

DWELLING
(3217) S FORTY-FOURTH 320 W West Oakland. One-story 5-room dwlg.
Owner—R. B. Church, 2123 Parker St., Berkeley.
Architect—None.
Contractor—H. Ahnefeld, 2123 Parker St., Berkeley. $3000

DWELLING
(3218) NO. 22 MORCOM PLACE, Oakland. One-story 2-room dwelling.
Owner—S. M. Jensen, R. F. D. No. 1, Box 150, Oakland.
Architect—None.
Day's work. $400

ALTERATIONS
(3219) NO. 2521 PERALTA AVE., Oakland. Alterations.
Owner—T. J. Young, Premises.
Architect—None.
Day's work. $400

DWELLING
(3220) W SIXTY-SECOND AVE 153 S E-14th St., Oakland. One-story 3-room dwelling.
Owner — Nightengal, 1554 13th Ave., Oakland.
Architect—None.
Contractor—J. A. McCord, 351 Beverly Ave., San Leandro. $750

DWELLING
(3221) NW SIXTY-SECOND AVE & Fortune Way, Oakland. One-story 5-room dwelling.
Owner—Enos F. Souza, 2551 62nd Ave., Oakland.
Architect—None.
Day's work. $3000

FLATS
(3222) NW SIXTY-FIRST & GROVE, Oakland. Two-story 10-room flats.
Owner—Laura Montour, 756 55th St., Oakland.
Architect—None.
Contractor—Geo. C. Nall, 930 41st St., Oakland. $6800

DWELLING
(3223) E TWENTY-THIRD AVE 100 N E-8th, Oakland. One-story five-room dwelling.
Owner — E. Teixeira, 2848 E-9th St., Oakland.
Architect—None.
Day's work. $2250

DWELLING
(3224) W 35TH AVE between Redding and Quigley, Oakland. One-story 4-room dwelling.
Owner—Mrs. E. E. Underwood, 3453 35th Ave., Oakland.
Architect—None.
Contractor—G. G. Underwood, 3453 35th Ave. $1000

STORE BLDG.
(3225) E BROADWAY 124 N 15th St., Oakland. Four-story reinforced concrete store.
Owner—H. C. Capwell Co., 141 Clay St., Oakland.
Architect—W. M. Knowles, Central Bank Bldg., Oakland.
Day's work $200,000

RECORDED

DWELLING
(3226) N RAILROAD AVE 150 E Walnut St E 100 N 150-2, Alameda. One-story dwelling.
Owner—P. & C. Barielles, 2215 Lincoln Ave., Alameda.
Architect—None.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.
Filed Sept. 20, '21. Dated Sept. 19, '21.
Frame up 25%
Brown coated 25%
Completed and accepted.....25%
Usual 35 days 25%
TOTAL COST, $4020
Bond, sureties, forfeit, none; limit, 65 days. Plans and specifications filed.
NOTE:—Permit applied for today.

STORES
W ADELINE 60 S Harmon, Berkeley. One-story brick stores.
Owner—Garrett Owen, 3207 Adeline St., Berkeley.
Architect—None.
Contractor — Roy O. Long Co., 2114 Shattuck Ave., Berkeley. $13,000
NOTE:—Recorded contract reported Sept. 20, 1921, No. 3205.

PERMITS

ALTERATIONS
(3227) 3149 COLLEGE AVE, Berkeley. Alter dwelling to flats.
Owner—C. Martens.
Architect—None.
Contractor—Chris Texdahl, 5375 Belgrave St., Oakland. $2500

ADDITION
(3228) NE SIXTY-FIFTH ST. AND Shattuck Ave., Oakland. Addition.
Owner—W. Cohn, 1376 McAllister St., San Francisco.
Architect—None.
Contractor—J. R. McMillen, 717 Castro St., Oakland. $450

DWELLING
(3229) 1523 BENTON ST., Alameda. Two-story 10-room dwelling.
Owner—H. J. Raun, 1038 Lincoln Ave., Alameda.
Architect—None.
Day's work. $6000

ADDITION
3230) 1315 CLINTON AVE., Alameda. Addition.
Owner—Rose H. Haslett, Premises.
Architect—None.
Contractor—H. Haggard, Alameda. $600

DWELLING
(3231) 764 LINCOLN AVE., Alameda. One-story 5-room dwelling.
Owner—L. Cranz, 762 Lincoln Ave., Alameda.
Architect—None.
Contractor—Oakley & Kolmodin, 1911 65th Ave., Alameda. $3500

ALTERATIONS
(3232) 442 PACIFIC AVE., Alameda. Alterations.
Owner—M. Danton, Premises.
Architect—None.
Contractor—L. R. Chapton, Premises. $1000

ADDITION
(3233) 1425 PARK ST., Alameda. Addition to bakery and restaurant.
Owner—O. J. Meads, 1635 92nd Ave., Oakland.
Architect—B. J. Cahill, Easton Bldg., Oakland.
Contractor—H. E. Nelson, 3090 King St., Berkeley. $2800

GARAGE
(3234) SW COR SAN ANTONIO AVE and Bay St., Alameda. Garage.
Owner—T. G. Hutt, Premises.
Architect—None.
Contractor—M. H. Fish, 1333 Versailles Ave., Alameda. $735

DWELLING
(3235) N ROCKRIDGE BLVD 50 E Walk, Oakland. One-story 6-room dwelling.
Owner—C. J. Pfrang, 5448 Locksley Ave., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(3236) S ROSAL AVE 200 W Lakeshore Ave., Oakland. One-story 5-room dwelling.
Owner—Mrs. Johnson.
Architect—None.
Contractor—C. J. Pfrang, 5448 Locksley Ave., Oakland. $5350

DWELLINGS
(3237) E SAN PABLO AVE 100-130 S 65th St., Oakland. Two 1-story 4-room dwelling.
Owner—Alma L. Bankhead, 114 West 9th St., Tracy, Cal.
Architect—None.
Contractor—W. E. Martin, Stockton, Cal. $2000 ea.

REPAIRS
(3238) 2234 39TH AVE., Oakland. Fire repairs.
Owner—M. Brennan, 383 45th St., Oakland.
Architect—None.
Contractor—Wm. Graybill. $1500

GARAGE
(3239) 589 22ND ST., Oakland. Garage.
Owner—Mrs. M. Hayes.
Architect—None.
Contractor—J. Sullivan, 6452 Harmon St., Oakland. $400

DWELLING
(3240) 1525 24TH AVE, Oakland. One-story 3-room dwelling.
Owner—Mrs. John Swanson.
Architect—None.
Contractor—H. Goranson, 3476 Laguna Ave., Oakland. $1650

DWELLING
(3241) S FLEMING 110 W 55TH AVE, Oakland. One-story 5-room dwelling.
Owner—W. Bassford, 1601 39th Ave., Oakland.
Architect—None.
Contractor—R. Norlin, 2016 84th Ave., Oakland. $3850

DWELLING
(3242) N 56TH ST 120 W Dover St, Oakland. One-story 6-room dwelling.
Owner—Jas. H. Young, 4174 Emerald St., Oakland.
Architect—None.
Day's work. $3500

FLATS
(3243) W GRAND AVE 40 S Bonham Way, Oakland. Two-story 10-room flats.
Owner—Dr. Jos. Andanyi, Harrison Apts.
Architect—None.
Contractor—Sommarstrom Bros. Co., 1941 24th Ave., Oakland. $7850

RESIDENCE, ETC.
(3244) E GLEN CT 90 S Sequoia Ave., Oakland. One-story 6-room residence and 2 garages.
Owner—Geo. H. Hollidge, 5426 Taft Ave., Oakland.
Architect—None.
Day's work. $4800

DWELLING
(3245) W LOMA VISTA AVE 200 N Hopkins, Oakland. One-story 4-room dwelling.
Owner—Louisa Werthmer, 3671 High St., Oakland.
Architect—None.
Contractor—Hans Johnson, 3328 Abbey St., Oakland. $2000

DWELLING
(3246) N LERIDA 291 W Walla Vista, Oakland. Two-story 7-room dwelling.
Owner—Mrs. L. Johnson, 731 Henry St., Oakland.
Architect—None.
Contractor — C. C. Williams, 1524 Franklin St., Oakland. $5500

DWELLING
(3247) N LONGRIDGE RD 400 E Rosemont, Oakland. Two-story 10-room dwelling.
Owner—A. W. Gorrill, Oakland.
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Harry Schwalm, Berkeley. $10,800

RECORDED

DWELLING
(3248) SW PARKER AND MATHEWS Sts., Berkeley. All work for one-story dwelling.
Owner—C. Foertsch, Berkeley.
Architect—None.
Contractor—John Holm, 2815 9th St., Berkeley.
Filed Sept. 21, '21. Dated Sept. 20, '21.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $3200
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit also applied for today.

DWELLING
(3249) LOT 162, Realty Syndicate Map Nova Piedmont, Piedmont. All work for one-story 6-room frame dwelling and garage.
Owner—Bernice and H. V. Blasdel, 628 Oakland Ave., Oakland.
Arcihtect—Hutchison & Mills, 1512 Broadway, Oakland.
Contractor—W. G. Thornalley, 351 12th St., Oakland.
Filed Sept. 21, '21. Dated Sept. 15, '21.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $5515
Bond, $2800. Sureties, Joseph Damm and L. De Luchi. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(3250) LOT 15 BLK "T" Lakeshore Highlands, Oakland. All work for two-story frame dwelling.
Owner—W. F. Harris, 454 Ellita Ave., Oakland.
Arcihtect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Fred J. Westlund, 351 12th St., Oakland.
Filed Sept. 20, '21. Dated Sept. 20, '21.
Roof sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $11,787
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

ADDITION
(3251) 1911 PARKER ST., Berkeley. Addition.
Owner—C. J. Murphy, Premises.
Architect—None.
Contractor—J. B. Turner, 2412 Stuart St., Berkeley. $400

STORE
(3252) NE E-FOURTEENTH AND 103rd Ave., Oakland. One-story store.
Owner—C. A. Miller, 2413 109th Ave., Oakland.
Architect—None.
Day's work. $500

ALTERATIONS
(3253) 4473 E-FOURTEENTH, Oakland. Alterations.
Owner—R. W. Meadows.
Architect—None.
Day's work. $1500

FACTORY
(3254) NE HIGH AND EIGHTH STS., Oakland. One-story factory.
Owner—Economy Mills.
Architect—None.
Contractor—J. F. Jennings, 594 13th St., Oakland. $1100

TANK FRAME
(3255) FOOT LINDEN ST., Oakland. Steel tank frame.
Owner—Ventura Refining Co.
Architect—None.
Contractor—Moore Shipbuilding Co., Foot Adeline St., Oakland. $1700

DWELLING
(3256) S LAKESHORE AVE 600 W Walla Vista, Oakland. Two-story 6-room dwelling.
Owner—Harry P. Fisher, Syndicate Bldg., Oakland.
Architect—None.
Day's work. $6000

DWELLING
(3257) NW COR. SEVENTH AVE. & E-11th St., Oakland. One-story store and dwelling.
Owner—C. L. Weitman, 630 E-11th St., Oakland.
Architect—None.
Contractor—Jos. Fernandes, 524 E-11th St., Oakland. $1300

ALTERATIONS
(3258) 451-3 TWELFTH ST., Oakland. Alterations.
Owner—Olin S. Grove.
Architect—None.
Contractor — Schnebly & Hostrawser, 6th and Jackson Sts., Oakland. $800

REPAIRS
(3259) SW THIRD AND JACKSON, Oakland. Fire repairs.
Owner—W. P. Fuller & Co., 16th and Alice Sts., Oakland.
Architect—None.
Contractor — Schnebly & Hostrawser, 6th and Jackson Sts., Oakland. $495

GARAGE
(3260) 652 VALE VISTA AVE., Oakland. Garage.
Owner—F. M. Lewis.
Architect—None.
Day's work. $450

ALTERATIONS
(3261) 1124 WASHINGTON, Oakland Alterations.
Owner—Sun On Co.
Architect—None.
Contractor — S. Busby, 824 14th St., Oakland. $500

RECORDED

CLASS "C" BLDG.
(3262) E FRANKLIN ST. 716.21 N 14th St. N 70 E 150, Oakland. Two-story and basement Class "C" building.
Owner—Dr. W. H. Wakefield, Easton Bldg., Oakland.
Architect—Charles W. McCall, Central Bank Bldg., Oakland.
Contractor—W. G. McGinty & Sons, 2506 Keith Ave., Berkeley.
Filed Sept. 22, '21. Dated Sept. 2, '21.
Basement forms to sidewalk level $1375
Concr. poured to 1st floor level.. 1125
1st floor steel erected 2650
Concr poured to 2nd floor level 1900
Forms completed and steel placed 2750
All concr. poured 2500
Roof on and enclosed 4000
Interior plastered 4100
Floors completed 4750
All glass installed 2100
Painting, hardware and plumbing completed 950
Completed and accepted 3941.25
Usual 35 days 10,715
TOTAL COST, $42,856.25
Bond, $21,500; sureties, E. M. Tilden and M. P. Holmes; forfeit, none; limit, 120 days. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded — Accepted

Sept. 22, 1921—LOT 2 BLK "E" Map Lakeshore Terrace, Okd. William J Fisher to Harry P Fisher ..... Sept. 15, 1921

Sept. 20, 1921—LOT 18 BLK "O," Foothill Park Tract. Wm S Kepple to whom it may concern. Sept. 19, 1921

Sept. 20, 1921—LOT 57 Peralta Park Sbdvn, Berkeley, Franklin Bowring to F C Stolte ..... Sept. 19, 1921

Sept. 20, 1921—LOT 4 BLK "D" Maxwell Park, Oakland. E F Henderson to whom it may concern ..... Sept. 20, 1921

Sept. 20, 1921—LOT 64 Map Capitol Homestead Ass'n, Oakland. J A Gomes to J A Hillan ... Sept. 20, 1921

Sept. 21, 1921—S BANCROFT WAY 99 E College Ave E 99xS 203, Berkeley. Beta Psi of Sigma Nu Bldg. Ass'n to Chas W Heyer Jr. ... Sept. 12, 1921

Sept. 19, 1921—OAKLAND. W. H. Wakefield to Arris-Knap Co. ..... Sept. 13, 1921

Sept. 19, 1921—SW COTTAGE ST and NW Walker Av SW 50 NW 59.87 NE to Cottage St SE to pt begin., Oakland. William J. Baker to whom it may concern.. Sept. 19, 1921

Sept. 17, 1921—LOT 83 BLK A, Map Broadway Terrace, Oakland. Dora Klinber by M G Kendall, Agent to California Builders Co. Sept. 15, 1921

Sept. 17, 1921—NO. 2330 WAVERLY St., Oakland. Wm H Wessa to J W Forbes ..... Sept. 16, 1921

Sept. 16, 1921 — SW 50 LOT 34 Amended Map Rhoda Tract, Oakland. Elsa Maleton to Christ Nelson ..... Sept. 10, 1921

Sept. 16, 1921—LOT 18 MAP FOOTHILL Boulevard Terrace, Oakland. E. M. and Bertha L. Peterson to Clark & Allen .....

Sept. 16, 1921—LOT 48 ROBINSON & Ucovich Tract. E. Jacobs to Chas. Van Epps & Son. Sept. 3, 1921

Sept. 16, 1921—LOT 30 BLK 11 MAP Thousand Oaks, Alameda. A. H. Pallen to whom it may concern. ..... Sept. 13, 1921

Sept. 16, 1921—LOT 17 BLK 17 MAP Lakeshore Highlands, Oakland. G. W. Loughan to B. F. Wooley. ..... Sept. 13, 1921

Sept. 16, 1921—LOT 8 BLK 3 NORTHlands Tract, Berkeley. Olive D. Farrar to R. R. Scammon ..... Sept. 15, 1921

Sept. 15, 1921—OAKLAND. Flora M. Harvey to Fred Westlund ..... Sept. 15, 1921

Sept. 15, 1921—LOT 1 BLK L MAP Fourth Avenue Terrace, Oakland. M. C. Tyler to L. G. Hudson ..... Sept. 15, 1921

Sept. 15, 1921—SW COR 62ND AND Bromley Aves., Oakland. A. R. Tofanelli to Marvin-Owen ..... Sept. 10, 1921

Sept. 15, 1921—NW COR 9TH AND Franklin Sts. W 75 x N 100, Oakland. T. W. Corder, Inc., to G. A. Scott ..... Sept. 12, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded — Amount

Sept. 21, 1921—NW E-FOURTEENTH 295-9 NW 27th Ave NW 28xNE 160, Okd. Joseph Boeddeker vs Marie P and John Plasoung $1299.95

Sept. 20, 1921—W WOOD ST 26 N 12th St N 26 W 100, Oakland. Inlaid Floor Co., $117; California Door Co., $27.81; Maxwell Hardware Co., $74.35; Chris Nelson Co., $32.98; Hogan Lumber & Mill Co., $475.80; Zenith Mill & Lumber Co., $136.89; A. Schleuter & Co., $105; vs. Allen L. Hunt, Hazel Hunt, R. H. Wells .....

Sept. 19, 1921—W 40 LOT 33 Lull's Sbdvn Vernon Park Tract, Okd. Sunset Lumber Co vs C J Allen $169.50

Sept. 16, 1921—SW E-21ST 390 SE 5th Ave SE 40 SW 125, Oakland. Oakland Lime and Cement Co. vs Amelia H. Henry and W. Henry $61.15

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded — Amount

Sept. 19, 1921—NW SEVENTEENTH & Brush Sts., Oakland. H J Steiner to Edward Casey $232.05

HOMESTEADS

ALAMEDA COUNTY

Sept. 22, 1921—LOT 12 BLK "O" Map Fourth Avenue Terrace, Oakland Grace R McKean (wf Elmer) .. $4500

Sept. 21, 1921—PTN LOTS 3 AND 4 Blk "U" Map Central Piedmont Tct No. 4, Oakland. Robert M and Hannah R Mitchell $5000

Sept. 21, 1921—LOT 21 BLK 14 MAP Warner Tract, Oakland. Camille Ralston $1000

Sept. 21, 1921—LOT 127 Map Cherryland, Eden Tp. Hilda Hillman (wf Frank A) $5000

Sept. 19, 1921—N FORTY-SECOND 306-8 E Linden E 33-4xN 100, Oakland. Josephine Daggett (wf James W) $5000

Sept. 19, 1921—LOT 26 MAP BROOKside Manor, Oakland. Jeannette Lorbeer, wife George C. $4500

Sept. 19, 1921—PART LOTS 16 & 17 Map Caledonia Homestead Assn., Oakland. William K. Warren .. $5000

Sept. 19, 1921—E. WHEELER ST. 135 N. Harmon N. 32-6 E. 106-96 S 32-6 W 109-24, Oakland. K. W. and N. Z. Brier $3750

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
3143 McKENZIE AVE., Fresno. Dwelling.
Owner—F. Hogle.
Architect—None.
Contractor—Wolfe Oil Co., Fresno. $2500

DWELLINGS
733-725-741-709-717 HARRISON ST., Fresno. Five dwellings.
Owner—R. C. Kennedy, Mason Bldg., Fresno.
Architect—None.
Contractor—J. S. Tannahill, 2031 Hammond St., Fresno. $2500

COALINGA. Monterey Pipe Line Pumping Station No. 1, Coalinga. Cut down and re-erect 3 55,000-bbl. tanks.
Owner—Associated Oil Co.
Architect—None.
Contractor — Lacy Mfg Co., Claus Spreckels Bldg., San Francisco.
Filed Sept. 15, '21. Dated. ——.
TOTAL COST. $27,125
Bond, $20,000. Sureties, V. H. Rosetti and O. M. Souden. Forfeit, limit, plans and specifications, none.

319 CALAVERAS AVE., Fresno. Garage.
Owner—E. Mathewson, Cory Bldg., Fresno.

Architect—None.
Day's work. $2000

OIL STATION
2302 FRESNO ST., Fresno.
Oil Station.
Owner—Standard Oil Co., Butler and N Sts., Fresno.
Architect—None.
Day's work. $1000

PPLATFORMS
VAN NESS & CALIFORNIA, Fresno. Platforms.
Owner—L. M. Lacy.
Architect—None.
Contractor—Trewhitt-Shields, Rowell Bldg., Fresno. $15,000

DWELLING
2624 MADISON ST., Fresno. Dwelling.
Owner—Lester C. Heitzig, 1621 Englewood, Fresno.
Architect—None.
Day's work. $2500

GARAGE
3136 KERCKHOFF ST., Fresno. Garage.
Owner—C. C. Anderson, 3119 Kerckhoff St., Fresno.
Architect—None.
Day's work. $600

ADDITION, ETC.
2230 N. VAN NESS AVE., Fresno. Addition and garage.
Owner—H. Kuhlke, 915 U St., Fresno.
Architect—None.
Day's work. $550

DWELLING
815 UNIVERSITY AVE., Fresno. Dwelling.
Owner—W. K. Kendrick, 1402 M St., Fresno.
Architect—None.
Contractor—O. D. Atkins, 3338 Lowe St., Fresno. $5000

RECORDED

SCHOOL BLDG.
SAN JOAQUIN SCHOOL DISTRICT in San Joaquin, Fresno Co. Excavating and cement work, lathing, plastering, etc., for a school building.
Owner—San Joaquin School District.
Architect—Ernest J. Kump Co., Rowell Bldg., Fresno.
Contractor—Earl R. Smith.
Filed Sept. 19, '21. Dated Aug. 29, '21.
Monthly payments of.....75%
Usual 35 days 25%
TOTAL COST, $6772
Bond, $3386; sureties, R. O. Deacon and J. E. Holt; forfeit, limit, none. Plans and specifications filed.

CARPENTER WORK, LUMBER, GLASS, ETC., ON ABOVE.
Contractor—Frank Snyder, H. S. Simonsen and Ben Osen.
Filed Sept. 19, '21. Dated Aug. 29, '21.
Monthly payments of.....75%
Usual 35 days 25%
TOTAL COST, $10,077
Bond $5038.50; sureties, R. O. Deacon and J. E. Holt; forfeit, limit, none. Plans and specifications filed.

BRICK WORK ON ABOVE
Contractor—J. E. McDougal.
Filed Sept. 19, '21. Dated Aug. 29, '21.
Monthly payments of.....75%
Usual 35 days 25%
TOTAL COST, $4810
Bond $2405.13; sureties, Peter Rusconi and W. T. Double; forfeit, limit, none. Plans and specifications filed

STEEL, IRON, WIRE, ETC., ON ABOVE
Contractor — Burnett Iron Works, Santa Fe Reservation, Fresno.
Filed Sept. 19, '21. Dated Aug. 29, '21.
Monthly payments of.....75%
Usual 35 days 25%
TOTAL COST, $400
Bond, $200; sureties, Joe Bauer and S. Lucas; forfeit, limit, none. Plans and specifications filed.

ROOFING ON ABOVE
Contractor—T. A. Osborne, 1150 Broadway, Fresno.
Filed Sept. 19, '21. Dated Aug. 29, '21.
Monthly payments of.....75%
Usual 35 days 25%
TOTAL COST, $2460
Bond, sureties, forfeit, limit, plans and specifications, none.

PLUMBING, GALV. IRON AND SHEET METAL WORK ON ABOVE
Contractor—M. E. Perkins.
Filed Sept. 19, '21. Dated Aug. 29, '21.
Monthly payments of.....75%
Usual 35 days 25%
TOTAL COST, $2105
Bond, $1052.50; sureties, F. B. Fair and Peter Rusconi; forfeit, limit, none. Plans and specifications filed.

BLACKBOARDS AND HEATING ON ABOVE
Contractor—C. F. Weber Co., 985 Market St., San Francisco.
Filed Sept. 19, '21. Dated Aug. 29, '21.
Monthly payments of.....75%
Usual 35 days 25%
TOTAL COST, $1017
Bond, $600; sureties, Fidelity & Deposit Co. of Maryland; forfeit, limit, none. Plans and specifications filed.

ELECTRICAL WORK ON ABOVE
Contractor—Schilling & Fair.
Filed Sept. 19, '21. Dated Aug. 29, '21.
Monthly payments of.....75%
Usual 35 days 25%
TOTAL COST, $317
Bond, $158.50; sureties, C. A. Lemmon and Fred B. Fair; forfeit, limit, none. Plans and specifications filed.

PAINTING ON ABOVE
Contractor—Mason & Pomeroy.
Filed Sept. 19, '21. Dated Aug. 29, '21.
Monthly payments of.....75%
Usual 35 days 25%
TOTAL COST, $1023
Bond, $511.50; sureties, Peter Rusconi and Bony Herman; forfeit, limit, none. Plans and specifications filed.

FINISH HARDWARE ON ABOVE
Contractor—Fresno Hardware Co., 1247 J St., Fresno.
Filed Sept. 19, '21. Dated Aug. 29, '21.
Monthly payments of.....75%
Usual 35 days 25%
TOTAL COST, $582
Bond, $291.25; sureties, Fidelity and Casualty Co. of N. Y.; forfeit, limit, none. Plans and specifications filed.

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
NO. 1331 B ST., Fresno. Dwelling.
Owner—L. Ocherino, Fresno.
Architect—None.
Day's work. $1000

ADDITIONS
NO. 635 VASSAR ST., Fresno. Additions to dwelling.
Owner—J. A. Cobbey, Premises.
Architect—None.
Day's work. $600

DWELLING
NO. 3230 GRANT AVE., Fresno. Dwlg.
Owner—R. S. Bissett, 1136 S St., Fresno.
Architect—None.
Contractor—C. E. Wilholler, 363 Thesta St., Fresno. $3750

DWELLING
NO. 3525 NEVADA AVE., Fresno. Dwelling and garage.
Owner—Chris Chrishansen
Architect—None.
Day's work. $2200

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Sept. 7, 1921—LOT 21 E½ OF LOT 2 Blk 26, Arlington Heights Tract, Fresno. W. J. Palfrey to whom it may concern .....Sept. 16, 1921

LIENS FILED

FRESNO COUNTY.

Recorded Amount
Sept. 16, 1921—LOTS 3 TO 6 BLK 5 Van Ness Hts., Fresno. Ronald U. McIntosh vs Margaret J. B. Holmes $300
Sept. 15, 1921—LOTS 9 AND 10 BLK 4, Grand Ave Park Addn, Fresno. F E Hill, G W Young and F A Souza vs Onofiro Morgiola....$197.50

BUILDING CONTRACTS

SANTA CLARA COUNTY

ROOFING
SANTA CLARA. All work for Fibrestone work and roofing for new Santa Clara High School Building.
Owner—Board of Education, Santa Clara High School District, Santa Clara.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Fibrestone & Roofing Co., 199 10th St., San Francisco.
Filed Sept. 15, '21. Dated Sept. 8, '21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $7390
Two bonds, total $7390. Surety, New Amsterdam Casualty Co. Limit, none. Forfeit, none. Plans and specifications filed.

ADDITION
461 VINE ST., San Jose. Addition.
Owner—V. P. Palumbo, San Jose.
Architect—None.
Day's work. $1750

COTTAGE
174 N-SIXTEENTH ST., San Jose. Six-room cottage.
Owner—R. B. Johnson, 836 E-St. James St., San Jose.
Architect—None.
Day's work. $2300

COTTAGE
SHORTRIDGE, San Jose. Four-room cottage.
Owner—G. W. Humphrey, 363 Prevost St., San Jose.
Architect—None.
Day's work. $2500

GARAGE
S FIRST ST. near Grant, San Jose. Commercial garage.
Owner—R. M. Life, 230 Alameda, San Jose.
Designer & Contractor—F. L. Hoyt, 566 N-16th St., San Jose. $5000

DWELLING
SEVENTH ST. near William St., San Jose. Three-room dwelling.
Owner—Alfred Swenson, San Jose.
Architect—None.
Day's work. $750

ADDITION
SANTA CLARA AND SEVENTEENTH Sts., San Jose. Addition.
Owner—Am. Dairy Co., Premises.
Architect—None.
Day's work. $450

OIL STATION
W-SANTA CLARA ST. near Santa Teresa, San Jose. Oil station.
Owner—J. R. Wilson, 740 S-11th St., Saon Jose.
Architect—None
Day's work. $500

RESIDENCES
A PLOT OF GROUND ON N SIDE OF Sigma near Hill in San Juan Extension Subdivision No. 2 of the Campus of Leland Stanford Jr. University, Palo Alto, Cal. Residence.
Owner—Prof. Welton J. Crook, Stanford University, Calif.
Architect—A. B. Clark, 4 Cabrillo St., Stanford University, Cal.
Contractor — George Jacobsen, Palo Alto, Cal.
Filed Sept. 16, '21. Dated Sept. 4, '21.
Cost of labor and materials actually in place on the first of each month as work progresses 75%
Usual 35 days.....25%
TOTAL COST, $9,592
Bond, $4800; sureties, C. H. Christensen and A. C. Anderson; forfeit, limit, none.
Plans and specifications filed.

DWELLING
SW YOSEMITE AND TILLMAN AVE., San Jose. All work for one-story five-room dwelling.
Owner—Rose Z. Rawlings, San Jose.
Architect—None.
Contractor—Wm. H. O'Neil, 500 N-15th St., San Jose.
Filed Sept. 17, '21. Dated Sept. 17, '21.
Enclosed and roofed.....$1000
Inside plaster finished..... 1000
Completion 1000
Usual 35 days..... 1000
TOTAL COST, $4000
Bond, limit, forfeit, plans and specifications, none.

BUNGALOW
LOT 4 BLK 11, Hanchett Residence Park Tract, San Jose. All work for one-story frame bungalow and garage.
Owner—Ida and Blanch Fullagar, 758 S-Third St., San Jose.
Architect—None.
Contractor—Clyde Alexander, San Jose.
Filed Sept. 17, '21. Dated Sept. 8, '21.
Sept. 24, 1921.....$ 75.00
October 1, 1921..... 75.00
Frame up and roof on..... 931.25
Plaster on 1081.25
Completion 1081.25
Usual 35 days..... 1081.25
TOTAL COST, $4325.00
Bond, limit, forfeit, plans and specifications, none.

ALTERATIONS
NO. 139 N-SIXTH ST., San Jose. Alterations.
Owner—C. E. Byerly.
Architect—None.
Day's work. $990

COTTAGE
FOURTEENTH ST., near Empire St., San Jose. Four-room cottage.
Owner—Wm. H. O'Neil, 500 N-15th St., San Jose.
Architect—None.
Day's work. $2500

ALTERATIONS
FIRST AND SAN ANTONIO STS., San Jose. Alterations.
Lessee—Western Pacific Railroad Co.
Architect—None.
Day's work. $750

GARAGE
SAN CARLOS ST. near Spencer St., San Jose. Commercial garage.
Owner—Mrs. E. Sheldon.
Architect — W. Hastings, 524 E-St. James St., San Jose.
Contractor—Z. O. Field, 130 S-Market St., San Jose. $2300

ADDITION
NO. 30 S-FIFTH ST., San Jose. Addition.
Owner—Mrs L. C. Flannery, Premises.
Architect—None.
Day's work. $400

HOUSE
TAYLOR NEAR COYOTE, San Jose. Six-room house.
Owner—Sigone Ginelli.
Architect—None.
Day's work. $1200

FRAME COTTAGE
N ½ LOT 13 BLK 15, Hanchett Residence Park Tract, San Jose. All work for one-story frame cottage.
Owner—F. Filben, San Jose.
Architect—Charles S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor — J. E. Perkins, 1652 E-Santa Clara St., San Jose.
Filed Sept. 19, '21. Dated Sept. 17, '21.
Frame up $1331.25
1st coat plaster inside..... 1331.25
Completion 1331.25
Usual 35 days..... 1331.25
TOTAL COST, $5325.00
Bond, $2700. Sureties, Frank R. Cox and H. P. Danon. Limit, forfeit, none.
Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded Accepted
Sept. 21, 1921—PART LOT 16 BLK 60 Vineyard Homestead Ass'n, 45.90x 60, San Jose. Will Jessup to whom it may concern.....Sept. 20, 1921
Sept. 21, 1921—S ALUM ROCK AVE. Santa Clara County. C Fisher to B Quimet.....Sept. 8, 1921
Sept. 20, 1921—LOT 14 BLK 1, San Jose Park Tract, San Jose. J F McCauley to whom it may concern... .....Sept. 17, 1921
Sept. 19, 1921—LOT 6 BLK 20, South Palo Alto. Jennie H Senn to H R Moss.....Sept. 16, 1921
Sept. 16, 1921—LOT 11 of Lynnhurst Tract, Santa Clara County. Oscar F Carlson to L I Kelly..Sept. 14, 1921
Sept. 14, 1921—LOT 2 of Cadwallader Taylor Sbdvn, San Jose. Wm H O'Neil to whom it may concern... .....Aug. 14, 1921
Sept. 14, 1921—LOT 4 of Cadwallader Taylor Sbdvn, San Jose. Wm H O'Neil to whom it may concern... .....Sept. 14, 1921
Sept. 15, 1921—LOT 2 BLK 1, Observatory View Tract, Santa Clara County. Homer W Sampson to whom it may concern..Sept. 14, 1921

BUILDING CONTRACTS

SACRAMENTO COUNTY

WORK NOT STATED
BLK R "T" 46TH AND 47TH, and also 5-acre piece at 53rd and J Sts., Sacramento. Work not stated.
Owner—Sacramento City School District.
Architect—None.
Contractor—T. M. Burns, 2207 M St. Sacramento.
Day's work. $3975
Filed Sept. 13; dated Aug. 31, 1921.

DWELLING
4649 V ST., Sacramento. One-story 4-room frame dwelling.
Owner—John Colombo, 1817 53rd St., Sacramento.
Architect—None.
Day's work. $900

DWELLING
1824 48TH ST., Sacramento. One-story 5-room dwelling.
Owner—Jos. Harrigan, 2526 "O" St., Sacramento.
Architect—None.
Contractor—B. H. Bill, 3255 Marshall Way, Sacramento. $2150

DWELLING
3324 35TH ST., Sacramento. One-story 5-room dwelling.
Owner—O. H. Moore, 2920 35th St., Sacramento.
Architect—None.
Contractor—B. H. Bill, 3255 Marshall Way, Sacramento. $1950

DWELLING
3010 "U" St., Sacramento. One-story frame dwelling.
Owner—E. J. Moore, 3010 "U" St., Sacramento.
Architect—None.
Day's work. $3000

RAISE, ETC.
1510 53RD ST., Sacramento. Raise and build rooms in basement.
Owner—T. Bartaline, 1570 53rd St., Sacramento.
Architect—None.
Day's work. $600

REPAIRING
2460 SLOAT WAY, Sacramento. Repair fire loss.
Owner—J. A. Adams, N. Sacramento.
Architect—None.
Day's work. $1200

ADD PORCH
1519 51ST ST., Sacramento. Add back porch.
Owner—W. J. Ballond, Premises.
Architect—None.
Day's work. $500

DWELLING
1706 48TH ST, Sacramento. One-story 4-room dwelling.
Owner—L. A. Johnson, 1710 48th St., Sacramento.
Architect—None.
Day's work. $1850

DWELLING
4711 5TH AVE., Sacramento. One-story 4-room dwelling.
Owner—E. J. Killum, Dunsmuir, Calif.
Architect—None.
Day's work. $2000

FLATS, ETC.
815 15TH ST., Sacramento. Two-story frame (4 flats) and garage.
Owner—Jos. S. Woodward, 317 19th St., Sacramento.
Architect—None.
Day's work. $14,560

REPAIRING, ETC.
915 28TH ST., Sacramento. Reshingle roof and general repairs.
Owner—L. E. Wierd, Premises.
Architect—None.
Day's work. $550

DWELLING, ETC.
3908 "J" ST., Sacramento. One-story 5-room dwelling and garage.
Owner—Mrs. M. D. Adams, 2727 "M" St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento. $4650

CONCR. FLOOR
1128 "B" St., Sacramento. Truss construction concrete floor.
Owner—Thos. H. Lemery, 2523 "J" St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento. $23,860

DWELLINGS
2891 and 2989 43RD ST. Sacramento. Two 1-story 5-room frame dwellings.
Owner—W. T. Foster, 3400 4th Ave., Sacramento.
Architect—None.
Day's work. $1400 each

WAREHOUSE
1915 "S" St., Sacramento. Galv. iron warehouse, stucco front.
Owner—Geo. D. Hudnutt, California Fruit Bldg., Sacramento.
Architect—None.
Day's work. $2000

REMODEL, ETC.
1530 30TH ST., Sacramento. Remodel and do general repairing and add 2 sleeping porches.
Owner—Mrs. Thos. Dixon, Premises.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento. $1250

REPAIRS
610 "K" ST., Sacramento. General repairs to interior.
Owner—Wasserman, Gattmann Co., 610 "K" St., Sacramento.
Architect—None.
Day's work. $500

REPAIRING, ETC.
2014 25TH ST., Sacramento. Repairing and remodel and add sleeping porch.
Owner—A. Tiechert, Jr.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento. $600

SCHOOL
NO. 2500 THIRTY-FOURTH ST., Sacramento. Two-story reinforced concrete school.
Owner—Sacramento City High School District.
Architect—E. A. Mathews, Call Bldg., San Francisco.
Contractor — Mathews Constr. Co., Forum Bldg., Sacramento. $634,000

DWELLING
NO. 3217 FRANKLIN ST., Sacramento. One-story 5-room dwelling.
Owner—H. M. Earle, 2618 N St., Sacramento.
Architect—None.
Day's work. $3000

GARAGE
NO. 2218 K ST., Sacramento. Frame and corrugated iron 4-stall garage.
Owner—R. W. Irvine, 1623 K St., Sacramento.
Architect—None.
Day's work. $600

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded **Accepted**
Sept. 20, 1921—LOT 32 Yell Addition, Sacramento. Mil Watson to whom it may concern.....Sept. 19, 1921

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

REMODELING
37 E MARKET ST., Stockton. Remodeling.
Owner—S. S. Solaro, 130 S. San Joaquin St., Stockton.
Architect—None.
Day's work. $400

RESIDENCE
SOUTH AMERICAN ST., Stockton. Residence.
Owner—A. R. Messler, Stockton.
Architect—None.
Day's work. $3000

RESIDENCE
SOUTH HARRISON ST., Stockkton. Residence.
Owner—Geo. Lucas.
Architect—None.
Day's work. $900

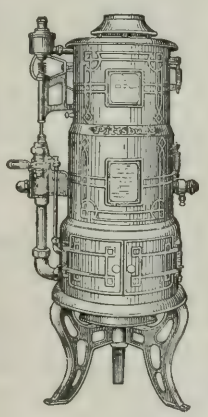
RESIDENCE
EAST LINDSAY ST., Stockton. Residence.
Owner—Frank Sharkford, Stockton.
Architect—None.
Day's work. $2500

RESIDENCE
E. PINECHOT, Stockton. Residence.
Owner—S. M. Knowlton, 530 N. East St., Stockton.
Architect—None.
Day's work. $2000

REMODELING
CALIFORNIA AND NORTH, Stockton. Remodeling.
Owner—P. Tobin, 439 E. Worth St., Stockton.
Architect—None.
Day's work. $1000

RESIDENCES
N. CENTER ST., Stockton. Two residences.
Owner—Belle K. Jackson, 1245 N. Center St., Stockton.
Architect—None.
Day's work. $4500 each

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET


A BIG THING
New Model No. 65
"Pittsburg-Bungalow"
Automatic Water Heater.
Capacity three gallons per minute.
Just the size to fit the average two-story home or nice Bungalow.
A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.
PITTSBURG WATER HEATER CO.
309 13th Street OAKLAND
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SEND FOR CATALOGS

TROJAN EXPLOSIVES
The Most Powerful Made
Safe and Economical
Manufactured on a solid base and do not contain any liquid explosive ingredient.
Will not freeze Will not exude
Will not give off noxious gases
No thawing
No leaking
No headaches
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CROCKER BUILDING San Francisco, Cal.
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Telephone Market 1935
Fine and Sanitary PLUMBING
Frank J. Klimm
PLUMBER
Steam and Hot Water Heating
221 Oak Street
Bet. Gough and Octavia San Francisco

RESIDENCE
FAIR OAKS AVE., Stockton. Residence.
Owner—Mrs. Cora A. Ekin, Stockton.
Architect—None.
Day's work. $2000

1730 S STANISLAUS, Stockton. Residence.
Owner—J. Hyman, Stockton.
Architect—None.
Day's work. $600

REMODEL
AGRICULTURAL PARK, Stockton. Remodel.
Owner—San Joaquin County
Architect—None.
Day's work. $9525

BUILDING
27 E MONTEREY ST., Stockton. Building.
Owner—G. M. Miller, Stockton.
Architect—None.
Day's work. $800

RESIDENCE
E NOBLE ST., Stockton. Residence.
Owner—J. Marengo, Stockton.
Architect—None.
Day's work. $1900

BANK BLDG.
RIPON, San Joaquin Co. Bank Bldg.
Owner—Geo. M. Markham, Ripon, Cal.
Architect—None.
Contractor—S. Trondhjem, Ripon, Cal. $8167
Filed Sept. 16, '21. Dated Sept. 7, '21.

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Sept. 20, 1921—N 110 FT. LOT 18 and N 50 ft. of S 110 ft. Lots 16 and 17 Blk 28, Lodi. Lo-a Corporation to J B McInerney.....Sept. 5, 1921
Sept. 17, 1921—SE LAFAYETTE AND California Sts., Stockton. Associated Oil Co. to A. A. Florance. .....Sept. 12, 1921

BUILDING CONTRACTS

SAN MATEO COUNTY

MEMORIAL SEAT
LOT NO. 3 TRIANGLE A SECT H. Cypress Lawn Cemetery. Furnish and construct memorial seat of honor, finished travertine, seat and back in one piece on concrete base.
Owner—Estate of Charles M. Felton, Jr.
Architect—Julia Morgan, Merchants Exchange Bldg., San Francisco.
Contractor—S. Miletin.
Filed Sept. 19, '21. Dated Sept. 8, '21.
TOTAL COST, $1900
Bond, sureties, forfeit, none; limit, 30 working days. Plans filed. Specifications, none.

BUNGALOW
LOT 1 BLK 5 WELLSLEY PARK, Redwood City, Cal. One-story frame bungalow, except plastering
Owner—W. L. Mussdorffer, Redwood City, Cal.
Architect—None.
Contractor—Louis N. Pollard, Redwood City, Cal.
Filed Sept. 19, '21. Dated Sept. 17, '21.
Roof completed $1650
Inside plaster finished..... 1650
Completed and accepted..... 1650
Usual 35 days 1650
TOTAL COST, $6600
Bond, $3300; sureties, W. P. Gray and T. C. Rice; forfeit, none; limit, 75 working days from Sept. 20, 1921. Plans and specifications filed.

REPAINTING
HOWARD AVE. AND OAK GROVE School Buildings, Burlingame. All work for repainting schools.
Owner — Burlingame School District, Mrs. J. M. Vickerson, Clerk.
Architect—Ernest L. Norberg, 742 Market St., San Francisco.
Contractor — Frisk & Swanson, 4331 19th St., San Francisco.
Filed Sept. 20, '21. Dated Sept. 15, '21.
Work completed $928
Usual 35 days..... 928
TOTAL COST, $1856
Bond, $620. Sureties, Olaf Monson & Charlie Monson. Limnt, 90 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Sept. 17, 1921—LOT 25 BLK 9 (known as 180 Winchester St.,) Crocker Tract, Daly City. James Thompson to McIntosh Bros.....Sept. 14, 1921
Sept. 15, 1921—S 50 FT. LOT 6 BLK 11, San Carlos. J W Munday to Floyd Baird.....Sept. 14, 1921

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Sept. 16, 1921—LOTS 29 AND 30 BLK "A," Mission Tract No. 135, San Bruno Ave, Daly City. M Berman vs A Fibish and Paola Cole.....$55

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
Sept. 20, 1921—SOUTH SAN FRANcisco. South City Lumber & Supply Co to South San Francisco Land & Improvement Co.....$876.03

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

(Continued from Page 19)

PIEDMONT, Alameda Co., Cal.—City Council votes to call election to decide question of issuing and selling bonds of $250,000; of this sum, $67,000 will be used for sewerage repairs. Piedmont Park will be improved, if the issue carries, as will the school facilities.

CHICO, Butte Co., Cal.—Until Sept. 29, 8 p. m., bids will be received by City Trustees, Ira R. Morrison, clerk, for paving with 2½-in. asphaltic macadam base with a 1½-in. asphalt macadam wearing surface the east half of Broadway from end of bridge over Little Chico Creek to Eleventh St., and the crossings of 12th, 13th and 14th Sts., by constructing hydraulic concrete gutters, sidewalks and curbs, corrugated iron culverts, etc. Certified check 10% payable to city required with each bid. F. S. Robinson, City Engineer.

TRACY, San Joaquin Co., Cal.—City Engineer instructed to prepare plans for paving Fourth street from West to Central Ave. and Sixth St. from North D to Orient street; pavement to be 4½-in. concrete base with 1½-in. wearing surface.

MARTINEZ, Contra Costa Co., Cal.—Warren Construction Co., Rialto Bldg., San Francisco, at $24,026.17 awarded contract by trustees for paving Escobar St. T. D. Farley, City Engineer.

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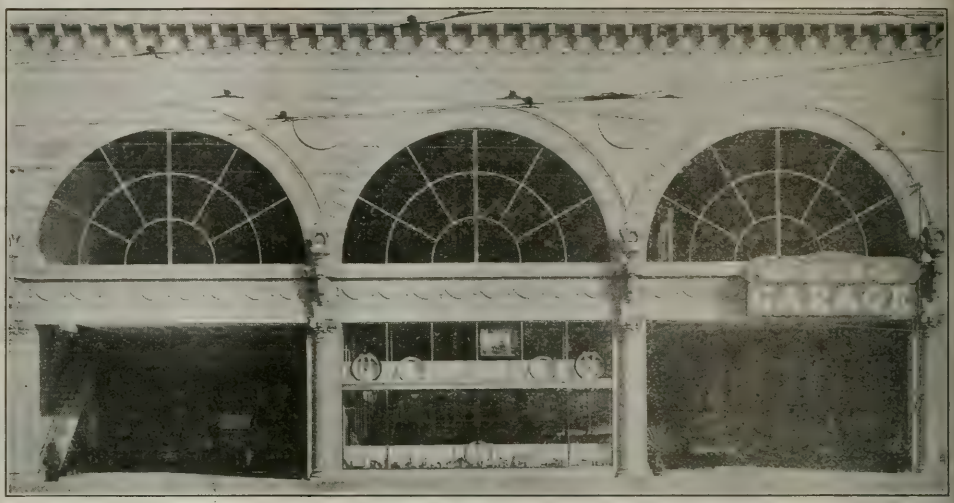

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SAN FRANCISCO, CAL., OCTOBER 1, 1921

Published Every Saturday
Twenty-first Year, No. 40

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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Building & Engineering News

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ARCHITECTURAL CERTIFICATES GRANTED

SAN FRANCISCO—At a meeting of the State Board of Architecture held on September 20th, the following were granted certificates to practice architecture in this state:

Miss Dorothy Wormser, 55 5th Ave., San Francisco.

Mr. Herman Carl Baumann, 251 Kearny St., San Francisco.

Mr. Edward A. Eames, 1539 Webster St., San Francisco.

Mr. Ross W. Edminson, 2123 California St., San Francisco.

Mr. Ralph E. Wastell, 1360 Broadway, Alameda.

Mr. Raymond R. Shaw, Fresno, Cal.

COTTRELL JOINS STATE AUTO ASSOCIATION

C. C. Cottrell, nationally known as an authority on good roads, and for the past three years State Highway Engineer of Nevada, will join the California State Automobile Association September 16 as manager of its Good Roads Bureau. He succeeds Ben Blow who resigned to become manager of the Victory Highway Association, with headquarters at Topeka, Kansas. For a time, at the request of Governor Boyle of Nevada and the Nevada Highway Commission, Cottrell will remain as constructing engineer for Nevada.

He has a long record of achievement as a highway engineer. Cottrell was formerly superintendent of construction and maintenance for the California State Highway Commission, and was for a time assistant state highway engineer of Nevada.

He has been a prominent factor in the fight for good roads in the West, and was a strong proponent of the good roads bills which have resulted in the Compromise Bill now before Congress. He believes that this bill quickly will be passed when Congress reconvenes providing federal aid in good roads building in the West.

As manager of the Good Roads Bureau of the Automobile Club, Cottrell will aid all northern counties of California in solving their highway problems.

HYDRO-ELECTRIC BILL IS MENACE SAYS BRITTON

Industrial development of California is menaced by the proposed constitutional amendment, known as the California Water Power Act, to be presented at the November session of the Legislature, according to John A. Britton, vice-president and general manager of the Pacific Gas and Electric Company, in an address before the Lions' Club.

"The act would place $500,000,000 in the hands of a committee of five appointees, clothed with almost unlimited authority," declared Britton. "This gigantic fund, to be drawn from the state's resources within the next fifty years, would be expended in buying present water power sites, plants and equipment and development at the discretion of the committee.

Would Kill Industry

"Such an act would kill existing corporations that have developed hydro-electric power and now give California the cheapest electric power to be had in any state in the Union. Moreover, it would bring to naught the program of hydro-electric development now under way which is necessary to keep pace with California's industrial growth," said Britton. "The present holdings would be taken over by the state and become non-taxable, thereby depriving the state of revenue from this source.

"The water and power act is essentially the same as the Johnson bill, defeated at the last Legislature.

Industrial Suicide

"Hydro-electric power is California's greatest asset," said Britton. "It means industrial suicide to place the control of such a vastly important resource in the hands of an arbitrarily appointed committee."

Increased development of 100,000 hydro-electric horsepower annually is necessary to keep pace with California's industrial growth, according to Britton. He sketched the program mapped by public utilities corporations of the state for the next five years, which calls for the development of approximately 500,000 hydro-electric horsepower.

MARKET FOR PACIFIC COAST LUMBER IN MEXICO

In spite of the economic depression which is prevalent in the Guaymas consular district, Consul B. F. Yost reports that Pacific coast woods are in demand in that part of Mexico. The Mexican Federal telegraph system uses mostly native poles except in the cities. The electric light companies at Guaymas and Hermosillo obtain their poles from the State of Oregon, and cedar poles are mostly used. The important mining and smelting companies in Lower California obtain all their lumber and mining poles and props from the State of Washington.

The Southern Pacific Railroad of Mexico is the only railroad operating in the Guaymas consular district. The company is an important buyer of all kinds of lumber, both finished and unfinished, bridge material, piling, telegraph poles, etc., and this company obtains its supplies chiefly from the States of California, Oregon and Washington. The headquarters of this company are at Empalme, Sonora, and its purchasing department is at Tucson, Ariz. During the past few months this company has brought in two shiploads of ties and bridge timbers from the State of Washington.

The consumption of hardwoods, chiefly for furniture making, is very small and is not likely to increase until conditions improve. There is only one furniture factory in operation in the consular district.

A list of importers and exporters of lumber and lumber products in Mexico may be obtained upon application to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or its district and co-operative offices for file No. LA-30033 A.

Architects and Builders Organize Deasy Club

Organization of a Contractors' and Architects' Club pledged to futher the candidacy of Cornelius J. Deasy, seeking re-election to the office of Supervisor, was perfected last Wednesday at a luncheon in a down town restaurant.

Speakers were John P. Horgan, Chief Inspector of Buildings of the Board of Public Works; T. Paterson Ross, Walter and Matt O'Brien, architects; Louis R. Lurie, real estate operator; F. Rolandi, contractor, and Wm. Gray of the Pacific Portland Cement Company.

City officials present at the luncheon included Thos. F. Finn, Sheriff; Col. Jas. E. Power, J. Emmett Hayden and Ralph McLeran, Supervisors and Geo. Lull, City Attorney.

Deasy has been a member of the Board of Supervisors for the past ten years. He pledges himself to municipal ownership of public utilities, favors the building of more schools and the maintenance of additional playgrounds.

Following is a partial list of the organizers of the Contractors' and Architects' Club: Jas. M. Fennell, John J. Kane, Howard S. Williams, Walter O'Brien, Robt. Luhman, Chas. F. Kane, T. Paterson Ross, Frank Dakin, Al. W. Lawson, Louis R. Lurie, Chris Hillard, Francis Smith, O. N. Stoner, J. P. Duffy, Thos. Mulcahy, Robt. Moyle, Ed. Brash, Jack Bender, Wm. Kannay, Frank J. English, Alex. Pape, Jas. Marron, Alex. McPherson, Frank Costello, F. Rolandi, John T. Williams, Jas. P. Welch, Emil Hoerchner, Peter Bradley, Wm. Gray, Ralph McLeran, D. Tiernan, Gus Berg, Thos. Campbell, Herman Freese, Edw. Peterson, Chas. McLean, Wm. Chatham, Mike Lawley, Frank Green, A. Knowles, Adam Arras, Louis Levin, Jack Campbell.

The Observer

The San Luis Obispo City Charter will be amended so as to include architects in the list of professions which are licensed, it was decided at a recent meeting of the council. The action was taken following a discussion of whether an architect is a contractor and whether an architect could be made to pay a license as a contractor.

The Bludworth Manufacturing Co., holding patents for a dumping wheelbarrow, the article to be manufactured, will build a plant in North Sacramento, according to W. D. Bludworth, president of the company. A two-acre site has already been purchased.

The All-In-One Plumbing Fixture Corp. has moved its offices from Los Angeles to 231 Oschner Bldg., Sacramento.

The San Diego harbor master reports the receipt at that port during the month of July of 20,842,830 feet of lumber and 952,000 feet of ties. About 2000 feet was exported to Mexico.

Palo Alto City Council is considering the adoption of an ordinance that in cases where the erection of a building is begun before a building permit is secured, the builder would be required to pay five times the regular fee before the permit would be granted. The purpose is to enforce a strict observance of the building regulations, which, it was said, there is too great a tendency to ignore.

W. P. Fuller & Co. announce new prices for linseed oil and turpentine effective September 15. An advance of 8c per gallon is made for linseed oil, new quotations being $1 for raw in barrels and $1.15 in cases and $1.02 for boiled in barrels and $1.17 in cases. Turpentine is up 8c, new quotations being $1.08 per gallon in cases and 93c in tanks.

Vern D. Hedden has been appointed chief building inspector of Long Beach.

The Universal Portland Cement Co. announces a reduction in its selling prices for Universal Portland cement, effective September 15, of 20 cents per barrel at its Chicago plant and 15 cents per barrel at its Pittsburgh and Duluth plants. This is the second price reduction made by this company this year. Who's next?

Monolith Portland Cement Co. is the new name of the corporation operating the cement plant at Monolith, Kern County. The corporation has been known as the U. S. Potash Co., its original intention in the purchase of the plant having been to manufacture potash.

California Brick Co., sole makers of Dickey Mastertile, announces price reductions on hollow building tile from 25 to 30 per cent. Who's next?

During July, this year, contracts let throughout the United States for improved streets and roads amounted to $33,943,893—an increase of $4,590,137 over the total value of contracts in July, 1920, which amounted to $29,352,756. In addition to these, contracts to the value of $5,053,520 were let for new bridges, as compared to $3,657,615 for the same month last year.

The Pacific Asbestos Corporation, organized to take over a mountain of asbestos located about 15 miles from Oakdale, Stanislaus County, is conferring with the Oakdale Chamber of Commerce regarding the construction of a factory in that vicinity.

R. R. Edwards Building Co. has established an office at 150 South Western Avenue, Los Angeles, and desires catalogs and literature on building materials. F. L. Henry is manager of the company.

James S. Sampson, mechanical and structural engineer and builder, has opened offices in the Monadnock Building. Mr. Sampson is prepared to undertake the complete erection of buildings requiring high-class construction. He has just finished several class A edifices at Salt Lake City and Pocatello, Idaho.

The Nicolai Door Manufacturing Co., Portland, Ore., has leased part of the South End Warehouse Building, 631 Second street, where it intends carrying a stock of finished doors.

William D. Kohlwey, founder of the Kohlwey-Smith Electric Company of this city, died September 25 of heart trouble after five months' illness. Kohlwey was born in Germany about forty-five years ago, came to New York as a young man, where he engaged in business for several years until he moved to San Francisco in 1902. Kohlwey was a member of several electrical organizations, the Electric Development League and the Contractors' and Dealers' Association. He is survived by his widow, Elizabeth Durkee Kohlwey, and his brother, John D. Kohlwey of New York.

Street improvements costing $270,000 are planned by the Oakland City Council. For grading and paving an extension of the Skyline Boulevard between Moraga Canyon and Redwood Peak, a distance of four miles, $70,000 will be expended. To repave Madison and Jackson streets from Seventh to Twelfth, and Tenth and Eleventh streets from Jefferson to Market, $200,000 will be required.

The fifth annual convention of the National Retail Lumber Dealers Association is scheduled for October 19 to 21, at the Congress Hotel, Chicago.

Following is number of carloads of shingles, lumber and pulpwood which passed through the States from Canada during the month of August: Shingles, 350 carloads; timber, 13 carloads; pulpwood, 43 carloads. From September 1 until September 13 the number is as follows: Shingles, 181 carloads; lumber, 5 carloads; pulpwood, 19 carloads.

Col. H. M. Smitten has left the Valuation Department of the Southern Pacific Company to accept the position of bridge engineer of the Western Pacific railroad. Col. Smitten has had a wide experience in structural work, having started his career with the Construction Department of the S. P. under Chief Engineer Wm. Hood.

R. E. Moore of Jerome, Ariz., has been elected chairman of the new Yavapai County (Ariz.) Highway Commission. A. N. Jones has been retained as secretary. No announcement of policies has been made by the new commission.

H. C. Saunders and E. Lakeman have opened up the Mission Paint Shop in Myers street, Oroville, and will carry a complete line of paints, wall paper and oils.

A record number of bids is expected by the Board of Public Works for constructing the Galileo, North Beach, high school. Bids will be opened on October 19. The general construction is estimated to cost $520,000, the heating and ventilating $64,000, plumbing $53,000 and electric work $36,000. Bids on other portions of the structure will be asked as construction progresses. The successful contractor is to commence work five days after the award of contract and complete operations within 730 days. A bond of $130,000 will be required of the contractor securing the general contract.

The cost of building highways has taken a decided drop. Bids opened by the State Highway Commission for paving 10.7 miles of highway in Imperial County was estimated to cost $252,195. The lowest of four bids received was $159,087.50; next low, $187,910, and third low $215,081. Bids for a nine-mile stretch in Sonoma County was estimated to cost $85,472, and the lowest of seven bids received was $77,404, the second lowest being $79,462.

Speaking on "The Broader Field of Engineering Service," C. E. Drayer of Chicago, national secretary of the American Association of Engineers, will address members of the San Francisco chapter at a special meeting to be held at the Palace Hotel, October 3.

C. W. Carpenter, president of the Santa Barbara Planing Mill Co., Santa Barbara, is in the market for a used combination saw rig with sliding table, similar to Oliver No. 60 Universal Saw, and desires quotations. The Famous Players-Lasky Corp., 1520 Vine St., Hollywood, Calif., is in the market for a gasoline saw rig, either Novo, C. H. & E., or Oshkosh, new or second hand, in good condition. Send full particulars to C. W. Comeggs, Purchasing Agent.

Between $14,000,000 and $15,000,000 may be added to Oakland's building program as a result of the reduction in prices of building materials negotiated by the Industrial Relations Committee of the Oakland Chamber of Commerce. Announcement to this effect was made by the committee on information developed by investigation into material prices and reports received from architects' offices.

For the fiscal year ending June 30, 1921, the imports of lumber into the United States were 919,927,000 feet, and the exports 1,268,501,000 feet. During the same period, 1,598,114 railroad ties were exported to the United Kingdom.

DRAIN TILE SPECIFICATIONS BEFORE THE A. E. S. C. FOR APPROVAL

The American Society for Testing Materials has presented its specifications for drain tile to the American Engineering Standards Committee for consideration and approval as Tentative American Standard.

The history of these specifications dates back to 1911, when the A. S. T. M. organized its Committee C-6 on Drain Tile to meet two very urgent conditions. The comparatively recent use, on an extensive scale, of very large drain tile in public drainage works for reclaiming wet lands had brought about the unexpected discovery that these large drain tile were quite subject to cracking in the ditch under the weight of the ditch refilling. Also, the extensive production of concrete drain tile, and the resulting controversy between clay tile and concrete tile producers as to the merits of the new material made it urgent that additional data be secured.

The first task of the newly organized committee was to plan and conduct a series of investigations covering methods of tests, the determination of desired quality and durability of drain tile, and a study of methods of manufacture and of construction and field specifications. In this work it was actively assisted by the following Engineering Laboratories:

Iowa Engineering Experiment Station, Ames, Iowa.
Municipal Testing Laboratory, City of St. Louis, Mo.
University of Wisconsin, Madison, Wis.
Lewis Institute, Chicago, Ill.
Engineering Laboratory of Edward Orton, Jr., Columbus, Ohio.

The manufacturers of clay and concrete tile co-operated by furnishing materials for tests. The American Society for Testing Materials estimates that these investigations, which extended over five years, from 1911 to 1915, cost at least $25,000.

In 1914, Committee C-6 repared Standard Specifications for Drain Tile, covering strength tests, quality and requirements for strength of tile as used in ditches. These specifications were tentatively adopted, subject to revision. The specifications were revised in 1916 and 1921, the latter revision consisting of a modification of the methods of making the freezing and thawing test as the result of investigations which had been under way for some time.

The specifications are submitted to the American Engineering Standards Committee in accordance with the special provision in the procedure of the committee under which important standards in existence prior to 1920 may be approved without going through the regular process followed in new work.

The committee would be very glad to learn from those interested of the extent to which they make use of these specifications and to receive any other information regarding the specifications in meeting the needs of the industry.

The revised specifications are contained in the 1921 volume of A. S. T. M. Standards. Copies may also be obtained from the American Engineering Standards Committee, 29 West 39th St., New York City. Price 25 cents.

THE HIGHWAY CONTROVERSY

(Eureka Humboldt Times)

Newspapers, and through them, the public, are constantly being bombarded by propaganda from the press agent of the State Automobile Association. Quite naturally it will be asserted by the association, that the matter being sent out is non-political, and quite as naturally, editors, and a neutral public will take the opposite view.

The automobile associations of the state have a large membership, approximately 50,000, is claimed, and the matter for which publicity is constantly being sought contains little aside from attacks upon the work of the State Highway Commission.

So far as we are able to learn the views of the membership have not been learned regarding matter sought to be impressed upon the public mind, which is a never ending tirade against the work and methods of the highway engineers, which, for the most part is along lines of utter bias.

Highway building is still a science far from perfect, but it has been greatly improved upon during late years, and since the first entrance of the state into the enterprise, and all things considered it is believed that the highway engineers have not only kept abreast of the times and the best thought and experience in the business, but that they have produced roads in keeping with that thought and experience.

Criticism is always welcome to any organization if it is constructive and fair; if it manifestly is offered in a helpful spirit, and for progressive ends, but it must be this or at once lose all its benefits.

Road and Street Improvements Urged to Relieve Unemployed

That American state and city highway departments could do nothing more practical or patriotic than to follow the example of Greater London and give work to the unemployed former service men in the construction of public improvements is the opinion of Alfred Dryland, Chief Engineer for Middlesex County, England, who recently arrived in this country for a six weeks inspection of American highways.

"We are building a fifty-six mile arterial system of new hard-surfaced highways in the environs of London," said Mr. Dryland at the McAlpin," of which thirty-five miles are now under way. This work is to cost $6,000,000 and is undertaken at this time to afford work to thousands of unemployed former service men, and to provide means for diverting more of our heavy traffic from the heart of London. The cost of the new roads is shared by the general government and the county.

"All told, 5,000 passenger busses are operated on London streets. In addition there are 2,000 sight-seeing busses. It is planned to add 2,000 more to those now in use. This will greatly increase the congestion of traffic. Congestion is a much greater problem in London streets than it is here. New York does not approach anything like London in this respect. You have nothing like the proportion of heavy vehicles that we have. I am studying traffic conditions in New York very thoroughly and it is my opinion that your motor drivers do not drive as carefully as ours nor have they quite the same 'traffic sense.' By this I mean that driving a motor car does not seem to become 'second nature,' so to speak, as it does to our drivers in England.

"Future road development in England," Mr. Dryland continued, "will be very much along the line of development here, namely in the direction of asphalt surfaces. The time is coming when the United States will have the finest highways in the world.

"I came here primarily to study your portland cement concrete roads. I have been somewhat surprised to find how well the cement roads resist the wear of rubber-tired traffic, but in the British Isles concrete roads might be at a disadvantage because we have such large numbers of iron-shod, steam driven trucks, traction-engines and tractors. Development in England probably will be along the line of the portland cement concrete base with the asphalt surface.

"Road-building is making great progress in America but the great weakness in your system is your partial development of width. Little attention, also, seems to be paid to the edge of the road. There is a large mileage of roads that are not up to date. You have an enormous area to develop. I have travelled more dangerous roads in the vicinity of New York than in my entire forty years of experience in England. Your roads are dangerous because the paved widths are too narrow for the amount of traffic they bear. There should be a minimum width of thirty feet of pavement, affording room for at least three vehicles to pass. The United States, however, is developing excellent pavements. It is only a question of time and money until you will lead the world both in the quantity and quality of your roads.

"New York city streets have always ranked very high but I have been more than surprised at their excellence. Fifth Avenue with its superb asphalt pavement is one of the very finest, if not the finest paved street in the world."

In addition to being chief engineer for Middlesex County, Mr. Dryland is a fellow of the Institute of Engineers of the British Empire, a fellow of the British Institute of Municipal and County Engineers, a member of the Executive Council of the Institute of Transport, British Empire and a past president of the County Surveyors' Society of Great Britain. He was a member, until its work was taken over by the Ministry of Transport, of the Engineering Advisory Committee His Majesty's Road Board. In addition to studying country roads and city streets in New York, Connecticut and New Jersey, Mr. Dryland will visit Philadelphia, Washington, Baltimore, Harrisburg, Detroit, Chicago, Cleveland, Milwaukee, Madison, Wis., Springfield, Ill., Ann Arbor, Mich., and other points. While in Washington he will be the guest of Thomas H. MacDonald, chief of the United States Bureau of Public Roads.

ROAD BUILDING IN CANADA

Of the $20,000,000 Canadian government appropriation for good roads, the Provinces to August 1 have undertaken projects which would entitle them to assistance from the Dominion Government to the extent of only $7,660,604. The Federal Government pays its 40 per cent of the estimated costs only when the work is completed and its inspectors and auditors approve the work and the accounts. Up to Aug. 1 the total amount paid was $1,051,773.

Cypress is said to be the most durable of woods.

Building News Section

APARTMENT HOUSES

Plans Being Prepared.
APT. HOUSE Cost, $——
LONG BEACH, Los Angeles Co., Cal. Ocean Blvd. cor. Chestnut Pl. and Windsor Way.
Nine-story Class "A" reinforced concrete apartment house (58 2, 3 and 4-room apts., garages and stores).
Owner—Syndicate rep. by Munholland & Co., 104 Pacific Ave., Long Beach.
Architect—Harold E. Burket, care of Chas. S. McKenzie, L. A. Ry. Bldg., Los Angeles, and Bank of San Jose Bldg., San Jose.
Contractor—The Wallace-Bush-Skidmore Co., Los Angeles Ry. Bldg., Los Angeles.
NOTE:—Mr. McKenzie is the supervising architect.

Figures Being Taken For Concrete and Carpenter Work, Etc.
APARTMENTS Cost, $——
SAN FRANCISCO. S Bush Street W Leavenworth Street.
Four-story Class C apartment house 12 3-room apts.)
Owner—John O. Titlow.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.

Contract Awarded.
APARTMENTS Cost, $35,000
SAN FRANCISCO. SW Franklin and Ivy Sts.
Three-story and basement frame (19) apartments.
Owner—O'Brien & Kiernan, room 12, 110 Sutter St.
Architect—Albert W. Burgren, 110 Sutter St.
Contractor—Kiernan & O'Brien, 180 Jessie St.

Contract Awarded.
APARTMENTS Cost, $19,000
OAKLAND, Cal. W. Bellevue 125 N. Grand.
Three-story frame apartments (24 rooms).
Owner—John J. Fosen, 309 E. 16th St., Oakland.
Architect—Clay N. Burrell, 1st Nat. Bank Bldg., Oakland.
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Piedmont.

Plans Completed.
APT. HOUSE. Cost, $12,000
OAKLAND, Cal. SE Bryant St. and Manila Ave.
Two-story 16-room frame apartment house.
Owner—San Francisco Improvement Co., 4224 Broadway, Oakland.
Architect—Not given.

To be done by Day's Work.
APTS. & STORES Cost, $15,000
BERKELEY. W. College Ave. corner Russell.
Two-story frame 16-room apartments and 5 stores.
Owner—John A Bischoff, 2717 Russell St., Berkeley.
Architect—None.

Contract Awarded.
APARTMENTS Cost, $15,000
OAKLAND. N. Lake Park Ave. 50 W. Rand.
Two-story frame apartments.
Owner — A. W. Kiel, 730 Lakeshore Ave., Oakland.
Architect—W. E. Schirmer, Thayer Bldg., Oakland.
Contractor — Alfred Peterson, 3918 Lindwood Ave., Oakland.

Segregated Figures Being Taken.
APARTMENTS Cost, $36,000
SAN FRANCISCO. W Leavenworth S Sutter Street.
Four-story brick apartment house (6 4-room apts.)
Owner—Ralph Brown.
Architect—E. E. Young, 251 Kearny St., San Francisco.

Figures to Be Taken Shortly
APARTMENTS Cost, $——
BERKELEY, Cal College Ave
Three-story frame apartments (12 3-room).
Owner—Name withheld.
Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.

Segregated Figures Being Taken.
APARTMENTS Cost, $40,000
SAN FRANCISCO. NW Octavia and California Streets.
Three-story frame and stucco apartment house (6 6-room apts.)
Owner—E. E. Young.
Architect—E. E. Young, 251 Kearny St., San Francisco.

SALEM, Ore.—Salem Apartment Co., recently organized, will build a $150,000 five-story fireproof apartment house in this city. Plans are being prepared by E. N. Miller, architect and engineer of Denver, Colo., and J. B. Matthews, associate.

BANKS

Figures to Be Taken in About a Week.
ALTERATIONS Cost, $50,000
SANTA ROSA, Sonoma Co., Cal. 4th and Mendocino Avenue.
Remodel present bank and install new equipment.
Owner—Exchange Bank, Santa Rosa.
Architects—H. H. Winner Co., Humboldt Bank Bldg., San Francisco.

Contract Awarded on a Percentage Basis.
ALTERATIONS Cost, $25,000
SAN FRANCISCO. NE Market and Jones Streets.
Concrete, carpentry and plastering work to remodel basement and portion of 1st floor for bank.
Owner— Anglo-California Trust Co., Market & Sansome Sts., San Francisco.
Architects—H. H. Winner Co., Cunard Bldg., San Francisco.
Contractor—Macdonald & Kahn, 130 Montgomery St., San Francisco.

Contracts Awarded.
BANK BLDG. Cost. $35,000
FAIRFAX, Marin Co., Cal. NW Main and Ruffano Streets.
One-story brick and reinforced concrete bank building.
Owner—Fairfax Bank.
Architect—A. J. Porporato, 619 Washington St., San Francisco.
Vaults awarded to Hermann Safe Co., 216 Fremont St., San Francisco.
Plumbing to P. J. Boscus, Fairfax.
Marble and Electrical Work to be awarded shortly.

Contracts Awarded.
ALTER, ETC Cost, $15,000
SAN FRANCISCO. 16th and Mission Sts.
Alter and add to present bank.
Owner — Anglo-California Trust Co., San Francisco.
Architect—H. H. Winner Co., Cunard Bldg.
Cabinet Work awarded to Mullen Mfg. Co., 64 Rausch St.
Marble Work to American Marble and Mosaic Co., 25 Columbus Square.
Bronze Work — Bayer-Rothgeb Co., Santa Fe Ave., Los Angeles.

Sub-Contract Awarded.
BANK BLDG. Cost, $——
SUSANVILLE, Lassen Co., Cal.
Two-story steel and concrete bank building.
Owner—Lassen Industrial Bank.
Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.
Contractor—G. Peterson, 251 Kearny St., San Francisco.
Bronze Work—Cal. Artistic Metal and Wire Works, San Francisco.
Vault Work—Herring-Hall-Marvin Co., San Francisco.
Marble Work—Mission Marble Co., San Francisco.
Ornamental Glass—Habenicht & Howlett Co., San Francisco.
Cabinet Work—California Mill, San Francisco.
Tile Work—Scott Co.
Venetian Blinds—Western Blind and Screen Co.
Hardware—Palace Hdw. Co. San Francisco.
These contracts aggregate $35,720.

FRESNO, Cal.—The Bank of Italy will erect a class "A" building in Fresno and one in Visalia, Tulare County. It is also reported that buildings are to be erected in Sacramento, Stockton and Los Angeles.

BONDS

SAN MATEO, San Mateo Co., Cal.—San Mateo Union High School District plans to call election to vote bonds of $360,000 to purchase twenty acres of the Carolan tract in Burlingame and erect a high school; $60,000 for site and $300,000 for school. A recent election for $500,000 failed to carry.

LIVERMORE, Alameda Co., Cal.—October 22 is date set by Trustees of Livermore Grammar School to decide the question of issuing bonds of $115,000 to finance construction of a new grammar school, preliminary plans for which are being prepared by Architect Henry H. Meyers, Kohl Bldg., San Francisco.

GLENDORA, Los Angeles Co., Cal.—The $60,000 bond issue for extensions and improvements to the city water system carried at a special election.

REEDLEY, Fresno Co., Cal.—An election will be held Oct. 22 in the Altamont Union School District to vote bonds of $75,000 to finance construction of a new school building. Trustees of the district are: H. E. Wuerth, C. J. Jackson, Fred W. Coburn, G. Z. Dunnegan and H. R. Bell.

NEWPORT BEACH, Cal.—A bond sue of $80,000 is proposed by Council purchase a new pump and new en- ne; put in a new pipe line from the mping plant to reservoir; build a pe line from reservoir to Newport eights and purchase 4 acres of ater-bearing land. John McMillan is ater superintendent.

VISALIA, Tulare Co., Cal.—The $112,- 0 bond issue of the Visalia Union gh School District has been sold by e county supervisors. Proceeds of e sale will finance the remodeling of e old manual training building into domestic science department and the nstruction of new manual training ops. Plans for the improvements ve been prepared by Architect rnest J. Kump, Rowell Bldg., Fresno.

ANAHEIM, Orange Co., Cal.—Until t. 13, bids will be received by City ustees for purchase of $30,000 bonds ted for sewer extensions.

PETALUMA, Sonoma Co., Cal.—City uncil adopts report of water commit- e and proposes to call election to rchase system of the Petaluma wer and Water Co. and improve it; nds to be raised through a bond is- e.

ANAHEIM, Orange Co., Cal.—Until t. 13 bids will be received by City ustees for purchase of $50,000 bonds r water works extensions, including w well and pump and new mains.

CHURCHES

ans Being Prepared.
HURCH Cost, $——
TARIO, San Bernardino Co., Cal.
llow tile Spanish style church.
wner—Christian Science Church.
rchitect—F. A. Eager, American Nat. Bank Bldg., Monrovia, Cal.

mmissioners to Prepare Plans.
HURCH Cost, $60,000
ASADENA, Los Angeles Co., Cal. Vernon St.
ick, frame and plastered church.
wner—Friendship Baptist Church.
rchitect — Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles.

ork Started by Day Labor.
HURCH Cost, $18,000
ERRA BELLA, Tulare Co., Cal.
nstruction of church building.
wner—First Presbyterian Church of Terra Bella. W. H. McTier, Chairman of Building Committee, Terra Bella, Cal.
rchitectural Engineer — Clair C. Morris, 706 Morton St., Porterville.
pt. of Constr.—D. B. Day, Woodlake.

gures to Be Taken Shortly.
HURCH BLDG. Cost, $——
AKLAND. Webster St. near 19th St. ass "A" brick and terra cotta church.
wner—New Thought Congregation.
rchitect—Clay N. Burrell, 1st Sav. Bank Bldg., Oakland.

FRESNO, Fresno Co., Cal.—Until Oct. bids will be received by Architect nry F. Starbuck, 2550 Merced St., esno, for painting the German Free ogs Church, F and San Diego streets. esno Specifications may be had from e architect.

HANFORD, Kings Co., Cal.—First ethodist Church planning construct- g of a $50,000 edifice at Ninth and win streets. Plans have been submit- d by four architects and a selection ill not be made until plans of a fifth chitect are submitted. One of the ans already received, it is thought, will be selected. Under these a structure 115 by 78 ft. in size will be erected, with an auditorium 46 by 61 ft., seating 360.

FACTORIES & WAREHOUSES

Contract Awarded.
BRICK BLDG. Cost, $29,284
LOS ANGELES. San Pedro St. betw. 5th and 6th Sts.
Two-story brick building.
Owner—Thos. I. Woods.
Architect — T. Beverley Keim, Jr., Haas Bldg., Los Angeles.
Contractor—Clarence Bean, 801 Story Bldg., Los Angeles.
Plumbing to Chas. Arndt.....$1878
Electric Work to F. E. Newbery Co. 1263
Sheet Metal Work to Jas. A. Nelson Co. 749
Elevator to Otis Elevator Co..... 1980
Roofing to Angelus Roofing Co... 571
Steel Sash to W. C. Lea..... 1190
Contract for painting, hardware and sprinkling system have not been let.

Contract Awarded.
ADDITION, ETC. Cost, $52,000
LOS ANGELES, Cal. 922 E 1st St.
One-story addition and alterations to brick and concrete plant.
Owner—Swift & Co., 922 E. 1st St., Los Angeles.
Architect—Eng. Dept. of Owner at Chicago, Ill.
Supt. of Const.—J. E. Catem.
Contractor—Robert E. Millsap, 423 Marsh-Strong Bldg., Los Angeles.

Plans to be Prepared.
FACTORY Cost, $——
SAN FRANCISCO. NW Mission and Thirteenth Sts., 285x211.
Four-story Class C factory building.
Owner—Pacific Embroidery Co., 130 Sutter St., San Francisco.
Architect—Not Selected.

Contract Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. SE California and Drumm Sts.
Alter 3-story building.
Owner—Name withheld.
Architect—A. H. Knoll, Hearst Bldg.
Carpenter work, etc., to Fontanelli & Teza, 1682 Eddy St.
Plumbing and heating to J. J. McLeod, 1246 Golden Gate Ave.
Mill work to National Mill & Lumber Co., 318 Market St.

Plans Being Prepared.
CREAMERY BLDG. Cost, $160,000
DAVIS, Yolo Co., Cal.
Two-story reinforced concrete and tile creamery building.
Owner—University of California.
Architect—Wm. C. Hays, 1st Nat. Bank Bldg., San Francisco.
NOTE:—Plans will be ready for figures about October 15th.

Plans Being Figured.
FACTORY BLDG. Cost, $200,000
SOUTH SAN FRANCISCO.
One three and four-story reinforced concrete factory building.
Owner—Fontana Products Mfg. Co., 112 Market St., San Francisco.
Architect—F. Righetti, 12 Geary St., San Francisco.
Figures are being taken for a general contract.

Plans Being Prepared.
FACTORY BLDG. Cost, $25,000
EMERYVILLE. Alameda Co., Cal. Powell and Beaudry Sts.
One and 2-story brick and concrete factory, 30x172 ft. (1st unit).
Owner—Great Western Meter Co. (R. J. Lyman Press Co. Montgomery St., San Francisco.
Architect—Geo. Rushforth, 354 Pine St., San Francisco.
Four additional units will be built later.

Plans to be Prepared.
MFG. PLANT Cost, $——
SAN FRANCISCO. Adjoining No. 330 Tenth Street.
Two or four-story brick manufacturing plant.
Owner—U. S. Metal Products Co., 330 Tenth St., San Francisco.
Architect—Withheld for present.

Plans Being Prepared—Contract Awarded.
OIL DISTRIBUTING PLANT
Cost, $20,000 to $30,000
OAKLAND, Cal. Key Route Basin on Parr Terminal property.
Two 1-story and one 1-story frame, concrete and corrugated iron bldgs. for oil distributing plant.
Owner—American Petroleum Corp., 343 Sansome St., San Francisco.
Architect — Carl Werner, Humboldt Bank Bldg., San Francisco.
Contractor—Hannah Bros., 142 Sansome St.

Contract Awarded.
FACTORY BLDGS. Cost, $——
VERNON, Los Angeles Co., Cal. 49th and Pacific Blvd.
Five brick paint factory buildings.
Owner—Bradley-Wise Paint Co., 650 Santa Fe Ave., Los Angeles.
Architect and Contractor—Gordon La Barr, 2000 E Vernon Ave., Los Angeles.

VALLEJO, Solano Co., Cal.—Charles Hollingsworth, broker of Oakland, is communicating with the Vallejo Chamber of Commerce regarding the establishment of an automobile plant in Vallejo. Hollingsworth represents the Paramount Automobile Company.

SAN FRANCISCO.—Joe Shoong Co., 926 Market St., has leased a building on Washington St. 25 feet west of Kearny and will remodel it into an up-to-date factory for ladies' ready-to-wear garments.

LONG BEACH, Los Angeles Co., Cal. —Earl S. Daugherty and Erving G. Diess, American and Willow Aves., Long Beach, have been appointed Long Beach agents for the California-Curtis Co. and $50,000 aviation plant additions have been announced, to include concr. floored hangars for ten planes, warehouses, mechanical department, field offices and a runway 290 ft. wide and 3000 ft. long.

LONG BEACH, Los Angeles Co., Cal. Vern Dumas of the Cal.-Mex. Oil & Refining Co. has announced that the company contemplates the erection of a $450,000 oil refining plant in Long Beach, work to commence in October.

FIREHOUSES AND JAILS

Contract Awarded.
FIREHOUSE Cost, $——
FRESNO, Fresno Co., Cal. North Van Ness Ave.
Constructing firehouse.
Owner—City of Fresno, R. Y. St George, City Clerk.
Architect—Not given.
Contractor—Howard Dickey, Fresno, Cal.
Other bidders were:
R. W. McKnight $12,300
[illegible] & Stanley 12,400
Co[illegible] & Speidel 11,956
Frederickson & Shannon..... 13,887

Plans Being Figured—Bids Close Nov. [illegible]
JAIL BLDG. Cost, $100,000

SANTA ANA, Orange Co., Cal.
Four-story and basement reinforced concrete jail bldg., 100x125.
Owner—Orange County.
Architect—John and Donald B. Parkinson, 420 Title Insurance Bldg., Los Angeles.

FLATS

Plans Being Prepared.
FLATS Cost, $——
SAN FRANCISCO. Park Presidio Dist.
Group of frame residential flats (brick walks, and coping, fountains, pools, etc.).
Owner—Name withheld.
Architect—Henry Shermund, Hearst Bldg

Contract Awarded.
FLATS Cost, $15,500
SAN FRANCISCO. W 14th Ave 149 N Cabrillo.
Two-story and basement frame (2) flats.
Owner—Foster Keating, 22 Ramona St., San Francisco.
Designer and Contractor—Walter G. Vodden, 760 Cole St., San Francisco.

Segregated Figures Being Taken.
ALTERATIONS Cost, $3,000
OAKLAND, Alameda Co., Cal. No. 601 Oakland Avenue.
Alter two-story frame residence into 2 flats.
Owner—Mrs. H. W. Jackson.
Architects—Miller & Warnecke, Perry Bldg., Oakland.

Plans Completed.
FLATS Cost, $12,000
OAKLAND. N. Lakeshore Ave. 116 E. Rand Ave.
Two-story 11-room frame flats.
Owner—Geo. Scrivani, 216 Franklin St., Oakland.

To Be Done By Day's Work.
FLATS Cost, $12,000
SAN FRANCISCO. W. Ashbury 133-4 S. Grove.
Two-story and basement frame (4) flats.
Owner—W. L. Hemminga, 47 Ashbury Street.
Architect—None.

Contract Awarded.
FLATS Cost, $9000
SAN FRANCISCO. E. 29th Ave. 70 N. Anza.
Two-story and basement frame (2) flats.
Owner—Herman Schafer, 2124 Geary Street.
Architect—None.
Contractor—John Little, 1035 Lincoln Way.

To be Done by Day's Work.
FLATS $9,000
SAN FRANCISCO. W Ashbury 25 and 50 N Hayes Street.
Two two-story and basement frame flats (4 flats each).
Owner—Westerly Constr. Co., 181 Liberty St., San Francisco.
Architect—J. W. Ellings, 181 Liberty St., San Francisco.

Contract Awarded.
FLATS Cost, $13,150
SAN FRANCISCO. W Buchanan St. N. Lombard.
Except finish hardware, light fixtures and window shades for a 2-story frame and plaster flat building (4 4-room flts).
Owner—S. Coturri.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—G. Ferroni & Sons, 1926 Filbert St.

Segregated Figures Being Taken.
FRAME FLATS Cost, $20,000
SAN FRANCISCO. Lake Street near Twenty-eighth Avenue.
Two-story frame flats (4 5-room flats).
Owner—Miss Smith.
Architect—E. E. Young, 251 Kearny St., San Francisco.

GARAGES

Plans Completed.
GARAGE Cost, $10,000
OAKLAND, Cal. W. Park Blvd. 80 N. E. 78th.
One-story concrete garage.
Owner—T. H. Mullen, 265 9th St., Oakland.
Architect—Not given.

Contract Awarded.
GARAGE Cost, $8,600
SAN FRANCISCO. S Ocean Ave. 25 — Lakeside.
One-story brick public garage.
Owner—Liennie Parker, 2629 Mission St., San Francisco.
Architect — W. S. Cuthbertson, 2265 Market St., San Francisco.
Contractor—Olaf Olsen, 2771 San Jose Ave., San Francisco.

GOVERNMENT WORK AND SUPPLIES

Contract Awarded—Want Sub-Figures for Reinforcing Steel and Steel Rails.
WHARF APPROACH Cost, $3,841
FORT BAKER, Marin Co., Cal. Approach to wharf.
Owner—U. S. Government.
Architect—Owner.
Contractor—R. S. K. MacMillen, 153-A Duncan St., San Francisco.
Mr. MacMillan wants bids for about 500 tons of reinforcing steel and 120 ft. of steel rails, double track, 25 lbs. to yard.

WASHINGTON, D. C.—The contract for installing electric freight elevator in the U. S. postoffice and courthouse, Portland, Oregon, has been awarded **to the Otis Elevator Co.**, Metropolitan Bank Bldg., Washington, at $5565; time for completion, 115 days.

WASHINGTON, Cal.—McMyler-Interstate Co., Bedford, Ohio, awarded contract by Bureau of Yards and Docks, Navy Department, for fur. and del. 50-ton steam locomotive jib crane to Puget Sound Navy Yard. Bid, $162,899; time for completion of contract, 280 days. Specification 4478.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at end of each paragraph:

Schedule 8719, for various eastern and western navy yards, steel sockets for Morse taper shank tools, October 18.

Schedule 8772, for 1 electrically operated dough-mixing machine with spare parts, October 18.

Schedule 8792, for various eastern and western navy yards, miscellaneous padlocks, October 18.

Schedule 8794, for delivering f. o. b. contractor's works, 24 sets motor-driven reel mechanisms, October 11.

Schedule 8798, for Mare Island, 15,000 lbs. sheet lead, October 18.

Schedule 8808, for navy yard, Mare Island, Cal., 13,000 ft. white pine, October 18.

WASHINGTON, D. C.—Only one bid was received by the Supervising Architect's Office for the installation of a sewage ejector, etc., at the United States Post Office, Stockton, Cal. Geo. E. Wright, Chicago, $3,380.

WASHINGTON, D. C.—Until Oct. 6, bids will be received by Supervising Architect, Treasury Department, for fur. and install. 6 steel cases in Portland, Ore., postoffice.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
BRICK BLDG. Cost, $——
LONG BEACH, Los Angeles, Co., Cal.
Three-story brick building (gymnasium, Sunday school rooms, etc.).
Owner—Salvation Army.
Architect—None.
Contractor—J. W. Davidson, 361 Walnut St., Long Beach.

Contracts Recorded.
INDUSTRIAL HOME Cost, $50,000
SAN FRANCISCO. N Harrison 112-6 E Fifth Street.
Three-story and basement reinforced concrete Class C Industrial Home Building.
Owner—Salvation Army Industrial Department, 870 Harrison St., San Francisco.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Excavating, concrete work, steel reinforcing, roof, skylights, fire escapes, cement plaster, finish floors painting, etc., awarded to Vukicevich & Bagge, 180 Jessie St., San Francisco, at $47,750.
Plumbing, roughing in fixtures, etc.,— J. J. McLeod, 2146 Golden Gate Ave. at $4800.
Steam heating installation.— Gilley Schmidt Co., Inc., 198 Otis St., at $2964.
Electric wiring—Pacific Electric Construction Co., 1117 Market St. at $1750.

Plans Being Prepared.
AUDITORIUM, ETC. Cost, $45,000
DOWNEY, Los Angeles Co., Cal.
One-story brick and concrete auditorium and a 1-story frame and plaster gymnasium.
Owner—First Presbyterian Church.
Architect—H. M. Patterson, 324 O. T. Johnson Bldg., Los Angeles.

HOSPITALS

Plans Being Figured—Bids Close Oct. 17, 1921, 11 a. m.
HOSPITAL BLDG.
Cost, $250,000 to $300,000
LOS ANGELES, Cal. County Hospital.
Three-story and basement Class A hospital bldg., 156x158.
Owner—Los Angeles County.
Architect—County Mechanical Dept., Wm. Davidson, Chief Engineer.
Bids are being taken separately on the general contract, elevator enclosures, ornamental iron and for a complete refrigeration plant.
Separate bids will be received at the same time for furnishing and installing an engine generator set and power house at the hospital. The work will include all necessary piping and wiring for the engine room. Cost, $15,000.
Plans may be obtained from the office of the Board of Supervisors, Hall of Records, Los Angeles.

Work Started.
HOSPITAL Cost, $30,000
VALLEJO, Solano Co., Cal. Sutter and Tennessee Streets.
One-story frame and concrete hospital
Owner — Vallejo General Hospital. (Thos. Williams, Mgr.)

rchitect — Mr. McBain, Mare Island Navy Yard.
ontractor—Geo. Barenchi, 921 Kentucky St., Vallejo.

reliminary Plans Approved—Working Drawings Being Prepared.
OSPITAL Cost, $175,000
AN JOSE, Santa Clara Co., Cal. N E-Santa Clara St. near 14th St.
hree-story fireproof hospital (75 beds).
wner—San Jose Hospital Assn., a corporation.
rchitects—Binder & Curits, 255½ S-First St., San Jose.

ATLANTA.—Locations of six of the ne free hospitals for crippled chilren which the Nobles of the Mystic rine are to establish at a cost of ,000,000 have been decided upon by e trustees. Among the institutions e those to be erected at San Francisco and Portland, Ore., at a cost of 00,000 each.

HOTELS

ans Being Prepared.
OTEL, ETC. Cost, $500,000
LENDALE, Los Angeles Co. Glendale Ave and Broadway.
x-story and basement reinforced concrete or steel frame hotel and store bldg. 229x235 (13 stores, 305 rooms).
wner—Ambrosini Hotel Co. (Anthony Ambrosini, 146 S. Jackson St., Glendale, president).
rchitect—Roy L. Kent Co., 130 S. Brand Blvd., Glendale.

gregated Figures to be Taken in a Few Days.
OTEL Cost, $70,000
N LUIS OBISPO, Cal.
wo-story frame and stucco hotel (32 rooms and 32 bathrooms).
wner—S. Leggett, San Luis Obispo.
rchitects—Miller & Warnecke, Perry Bldg., Oakland.

ntract Awarded.
OTEL BLDG. Cost, $125,000
LACERVILLE, El Dorado Co., Cal. Rubican River, 16 miles northeast of Placerville.
ame 75-room hotel.
wner—A. P. T. Elder, Washington, D. C., and St. Francis Hotel, S. F.
rchitect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
ntractor—A. A. Love.

ick Work Contract Awarded.
OTEL Cost. $——
ULARE, Tulare Co., Cal.
ick work for 4-story brick hotel.
wner—San Joaquin Valley Hotel Corp.
rchitect—L. L. Jones, Citizens Nat. Bank Bldg., Los Angeles.
ntractor — Pritchard Bros., Rowell Bldg., Fresno.

POWER PLANTS

WASHINGTON, D. C.—R. T. Hardg has applied to the Federal Power mmission for a preliminary permit r a proposed project which contemates the division of water from cks Creek and Grizzly Creek, tributies of the North Fork of the Feather ver, to a common forebay and power use to be located in Plumas County, lifornia. The total development ll be approximately 10,000 horsewer, and the proposed use of the m will be for mining and manufacring purposes.

PUBLIC BUILDINGS

Plans Being Figured—Bids Close Oct. 4, 1921, 8 p. m.
ALTERATIONS, ETC. Cost, $——
WATSONVILLE, Santa Cruz Co., Cal. Alterations and addition to City Hall.
Owner—City of Watsonville (M. M. Swisher, Clerk).
Architect—None.
Plans may be obtained from the Clerk's office.

PALO ALTO, Santa Clara Co., Cal.—City Council planning to call bond election to vote funds for financing construction of a new library.

PALO ALTO, Santa Clara Co., Cal.—City Engineer J. F. Byxbee, Jr., has been instructed by the Council to prepare preliminary plans and estimates of cost for enlarging the city hall.

SACRAMENTO, Cal.—Geo. Hudnutt, Inc., contractors and engineers, California Fruit Bldg., Sacramento, have prepared preliminary plans for an immense stadium or coliseum for the State Fair Grounds to cost approximately $1,000,000. Contractor Hudnutt proposes that the city of Sacramento take the lead in the proposition by donating a fund approximating $5 per capita. This, he figures, should amount to $375,000. Among the other leading counties, he suggests that they raise through appropriation or other means $1 per capita. The amount, he estimates, easily would reach the million-dollar mark.

SAN FRANCISCO.—City Park Commissioners planning a new playground at foot of Sloat Boulevard and a new golf course opposite the old Ingleside race track grounds. Approximately $150,000 will be expended in the improvements.

SAN FRANCISCO.—No bids were received on September 28th by Jas. De Succa, secretary, Park Commission, Park Lodge, Golden Gate Park, for installing heating system in Park Memorial Museum.

RESIDENCES

Contract Awarded.
BUNGALOW Cost, $5480
SAN JOSE, Santa Clara Co., Cal.
One-story 7-room bungalow (shingle exterior.
Owner—Chas. L. and Verna B. Bean.
Architect—Chas. S. McKenzie, Bank of Italy Bldg., San Jose.
Contractor—Wm. M. Myer, Blaney Av., San Jose.

Owner Taking Figures.
GARAGE Cost, $6,000
BERKELEY, Cal. Woolsey Street.
Two-story frame and plaster residence and separate garage.
Owner—Mrs. L. A. Penn, 2356 Woolsey St., Berkeley.
Architects—Miller & Warnecke, Perry Bldg., Oakland.

SAN FRANCISCO.—Thomas Coleman has purchased through the office of Charles M. Dufficy twenty lots on Thornton Ave. and Junipero Serra Blvd. on which he intends to erect modern bungalows.

Plans Being Figured.
RESIDENCE, ETC. Cost, $8,000
MARYSVILLE, Yuba Co., Cal.
One-story frame and plaster country residence and garage.
Owner—Mrs. Walter McCauley.
Architects—Miller & Warnecke, Perry Bldg., Oakland.

Figures are being taken from Marysville contractors.

Contracts Awarded.
RESIDENCE Cost, $——
SAN FRANCISCO. E Sixteenth Ave 150 S Balboa St.
Two-story and basement frame residence.
Owner—Albert Hoeflich, 57 Geary St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Painting to C. B. Sovig, 180 Jessie.
Stairs to S. M. Phillips, 718 Bryant St.
Plumbing to J. J. McLeod, 1246 Golden Gate Ave.
Carpentry, roofing and cement work to A. L. Thulin, 242 18th Ave.
Mill work to National Mill & Lumber Co., 318 Market St.
Electric Work to Fk. J. Klimm, 221 Oak St.
Sheet metal work to Western Furnace & Cornice Co., 202 Brannan.

Plans Completed.
RESIDENCE Cost, $12,000
SAN FRANCISCO. NW Jackson and Locust Streets.
One-story and basement frame and stucco residence (7 rooms and garage).
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans Being Prepared.
BUNGALOWS Cost. $——
SOUTH SAN FRANCISCO, San Mateo Co., Cal. Olive and Baden Aves. West of Orange and in High School Park.
Twenty one-story frame bungalows.
Owner—South San Francisco Land & Improvement Co.
Architect—Ernest J. Norberg, Bankers' Invst. Bldg., San Francisco.

Bids In and Under Advisement.
RESIDENCE Cost, $——
SAN FRANCISCO. Third Avenue N of Fulton Street.
Frame and stucco residence (6 rooms).
Owner—Mrs. M. Schubener.
Architect — Henry Shermund, Hearst Bldg., San Francisco.

Contract Awarded.
RESIDENCES Cost. $5500 & $6000 ea.
SAN FRANCISCO. Westwood Park.
Eight 1-story frame residences.
Owner—Hans and wf., Esther F. Nelson, 1375 Plymouth Ave.
Architect—Chas. F. Strothoff, 2274 15th St. Street.
Contractor—Nelson Bros., 1375 Plymouth Ave.

Contract Awarded
4 RESIDENCES Cost, $22,400
SAN FRANCISCO. E. 36th Ave. 100 N. Geary St.
Four two-story frame residences.
Owner—P. McHugh.
Architect—Not given.
Contractor—T. G. and R. E. Meyer, 5326 Geary St.

Contract Awarded.
RESIDENCE Cost, $10,000
SAN FRANCISCO. W. 14th Ave. 202-8 S. Balboa.
Two-story and basement frame residence.
Owner—Wilson Hall Bennett, 120 Market St.
Architect—None.
Contractor—Lyon & Hoag, 660 Market St.

Plans Being Figured.
RESIDENCE Cost. $10,000
PALO ALTO, Santa Clara Co., Cal.
One-story and basement frame and stucco residence.
Owner—Dr. E. P. H. Weiss.
Architect — John K. Brunner, 251 Kearny St., San Francisco.

Contract Awarded.
DWELLING Cost, $10,000
BERKELEY. N. Avalon Ave. 140 W. Oak Knoll.
Two-story 9-room frame dwelling.
Owner—H. Reinhardt.
Architect—None.
Contractor—Mason-McDuffie Co., Shattuck and Addison, Berkeley.

Contract Awarded.
RESIDENCE $28,000
SAN FRANCISCO. Lots 3 and 4 Blk 8, St. Francis Wood.
Two-story and basement frame residence.
Owner—Mrs. Abbie E. Wilkins, 25 St. Francis Blvd., San Francisco.
Architect—J. Reid Jr., 1st National Bk. Bldg., San Francisco.
Contractor—A. C. Hamerton, 475 Dewey Blvd., San Francisco.

Contract Awarded.
RESIDENCE Cost, $6000
SAN FRANCISCO. Chestnut between Franklin and Van Ness Ave.
Except painting, plumbing, electric wiring, glass, glazing, hot air furnace, flues, roofing, finish hardware, light fixtures and window shades for a two-story frame and plaster residence (9 rooms) and garage.
Owner—V. A. Valente.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.

SCHOOLS

Plans Being Prepared.
SHOWER ROOMS, ETC. Cost, $35,000
Fresno, Fresno Co., Cal. High School athletic field.
Brick shower and locker rooms (two buildings), tile roofs.
Owner—Fresno Board of Education.
Architect—Coates & Traver, Rowell Bldg., Fresno, Cal.

Plans Being Prepared.
SCHOOL BLDG. Cost, $18,000
FRESNO, Fresno Co., Cal.
Hollow tile, stucco exterior, school building.
Owner—Teilman School District.
Architect—Coates & Traver, Rowell Bldg., Fresno, Cal.

Bids to Be Called Shortly.
SCHOOL BLDG. Cost, $48,000
MALAGA, Fresno Co., Cal.
One-story tapestry brick school bldg., 6 rooms and auditorium seating 300.
Owner—Malaga School District.
Architect—Swartz & Ryland, Rowell Bldg., Fresno, Cal.

Plans Being Figured—Bids Close October 11, 1921, at 4 p. m.
SHOP BLDG. Cost, $20,000
BERKELEY, Alameda Co., Cal. South Berkeley.
One-story brick vocational shop building.
Owner—Berkeley Board of Education
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Segregated figures are being taken as follows:
Excavating, concrete and grading.
Carpentry and millwork.
Plumbing.
Electrical.
Masonry.
Roofing and sheet metal work.
Plans may be obtained from Mr. Hays' office on a deposit of $10 for five days.

Plans Being Figured—Bids Close Oct. 11, 1921, 4 p. m.
MECHANICAL EQUIP. Cost, $——
BERKELEY, Alameda Co., Cal. High school grounds.
Mechanical equipment for the boiler house of the high school.
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, 1st Nat. Bank Bldg., San Francisco.
Plans may be obtained from the architect's office on a deposit of $10.

Bids Opened and Taken Under Advisement.
ADDITION, ETC. Cost, $——
GILROY, Santa Clara Co., Cal.
One-story frame and plaster addition (3-rooms) and alterations to old building.
Owner—Madrone School District.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Holmes Bros, Gilroy.....$13,925
W. H. Decoto, Madrone..... 14,235
John Gale, Madrone..... 14,212
Al. Compton, San Jose..... 16,439

Contracts Awarded.
SCHOOL BLDG. Cost, $16,170
HAYWARD, Alameda Co., Cal. Orchard Ave. and Soto St.
One-story frame and plastered 4-room school.
Owner — Hayward Grammar School District.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Contractor—Sorensen Bros., 1110 "C" St., Hayward.
Heating awarded to Jas. A. Nelson, 517 6th St., San Francisco, at $1122.

Contract Awarded.
SCHOOL Cost, $17,430
SANTA ROSA, Sonoma Co., Cal. Roseland School District.
One-story frame and stucco school (4 rooms and auditorium).
Owner—Roseland School District.
Architcet—Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor—W. J. Meeker, Santa Rosa.

Plans Being Figured—Bids Close Oct. 19, 1921, 9 a. m.
SCHOOL BLDG Cost, $——
LOS ANGELES. Avenue 21 School site.
Two-story and basement brick and reinforced concrete school, 138x87.
Owner—Los Angeles Board of Education.
Architect — Montgomery & Nibecker, Story Bldg., Los Angeles.
Separate bids willbe taken for a general contract, painting, heating, plumbing and electrical work.
Plans may be obtained from the secretary's office, 730 Security Bldg., Los Angeles.

Plans Being Figured—Bids Close Oct. 19, 1921, 9 a. m.
SCHOOL BLDGS. Cost, $——
LOS ANGELES. Vermont Ave and 60th St. (John Muir Junior High).
Three brick and hollow tile school buildings (2-story and basement 290x81 with auditorium wing 105x72; 24 classrooms); one-story building 131x60 (cafeteria, sewing department, etc.), and a 1-story manual training building 60x107.
Owner—Los Angeles Board of Education.
Architect—John C. Austin, Baker-Detwiler Bldg., Los Angeles.
Figures are being taken separately for a general contract, plumbing, painting, heating and electrical work.
Plans may be obtained from the secretary's office, 730 Security Bldg., Los Angeles.

LONG BEACH, Los Angeles Co., Cal.—M. H. Walters, 522 E. 25th St., Long Beach, has been awarded the contract at $21,224 for erecting a 1-story brick addition and making alterations to the present school building in Los Cerritos School District, near Long Beach. W. Horace Austin, 1st Nat. Bank Bldg., Long Beach, is the architect. Five class rooms; brick walls, plas. exter., 150x90 ft.; comp. rf., pine trim, etc. Other bidders were: J. D. Sherer, $25,994; C. T McGrew & Son, $28,362; W. E. Allen, $29,768; J. W. Davidson, $26,590.
(39920) 1st report Sept. 2, 1921. R-13

SACRAMENTO, Cal.—The following bids were received on September 23rd by the Trustees of the Fruit Ridge School District for the construction of an addition of four rooms and an auditorium to the present school building located at Roosevelt and Sutter avenues. Plans were prepared by Architect R. A. Herold, 430-37 Forum Bldg., Sacramento. All bids were taken under advisement:

General Contract
W. C. Keating, Forum Bldg., Sacramento $16,150
L. F. Gould, Sacramento..... 16,913
Betz & Mabrey, Sacramento.... 16,989
Herndon & Finnigan, Sacramento 17,430
H. A. Hendrin, Sacramento..... 20,600

Heating
Geo. Cowles $3,084
Mechanical Eng. & Supply Co... 2,332

Plumbing
Geo. Cowles $1,460
Mech anical Eng. & Supply Co... 1,197

Electric Work
Geo. Foss $1,221

Electrical, Plumbing and Heating
Latourrett—Fical Co., Sacto.....$3,995

PACIFIC GROVE, Monterey Co., Cal.—Until October 11, 8 p. m., bids will be received by J. J. Williams, clerk, Pacific Grove High School District for painting exterior of the high school in Forest Avenue; 2 coats linseed oil, lead and zinc paint. Cert. check 10% payable to clerk required with each bid. Further information may be had from clerk at High School.

DOWNEY, Los Angeles Co., Cal.—J. D. Sherer, 1865 E. Anaheim St., Long Beach, was the lowest bidder at $97,973 on the general contract for the erection of a group of concrete high school bldgs. at Downey, Cal. Thos. Haverty Co. was low on the plumbing at $7394; Swan & Bastian low on painting at $4790; Amer. Elec. Constr. Co., low on wiring at $4000; Pac. Gas Radiator Co. low on the gas heating at $3333 and the Pac. Elec. Clock Co. low on the clock system at $1889; W. Horace Austin, 222 First Nat. Bank Bldg., Long Beach, and John C. Austin, Baker-Detwiler Bldg., Los Angeles, associated archts. Other bids were:

General Contract—J. D. Sherer, $97,973; alternate for the omission of four classrooms: deduct (1) $5607; Edwards, Wildey & Dixon, $108,500; (1) $11,200; John Simpson Co., $114,750, (1) $7500; Bavin & Burch, $110,428, (1) $6560; G. F. Barber, $101,800, (1) $5800; J. C. Bannister, $107,294, (1) $10,500; J. W. Davidson, $111,710, (1) $5493.42; Wopschall Bros., $109,430, (1) $6000; C. T. McGrew & Son, $107,745, (1) $7267; J. F. Kobler, $120,608.

Plumbing—Thos. Haverty Co., $7394; Fred D. Reed, $10,141; Hickman Bros., $8479; Whittier Hdw. Co., $9180; Sanitary Plumbing Co., $8547; F. A. Zorn, $7398; S. Hill & Son, $10,493; O. L. Cassidy, $8850.

Painting—Swan & Bastian, $4790; W. D. Walters, $5393; Jas. O. Price $7591; Zelinsky & Son, $7500; Alhambra Wall P. & P. Co., $5115; R. Zelinsky, $6472; E. English, $6260.

Electric Wiring—Amer. Elec. Constr Co., $4000; Hall & Son, $4070; Renaré & Stary, $4512; Prewitt Eltc. Co. $4770; J. G. Robinson, $4410; Standard Elec. Co., $4190.

Gas Heating—Pac. Gas Radiator Co $3333; Potter-Strutz Co, $3673; Williams Radiator Co., $5639.50.

Clock System—Pac. Elec. Clock Co. $1889; Standard Elec. Time Co. $2286.59.

SILVERTON, Ore. — Anderson & Banks, Silverton, at $34,300 revised figures awarded contract to erect new school, electric work awarded to T. E. Criston, Silverton, $848; L. E. Inman, Silverton, at $4,700 awarded heating, and Rushlight & Hastorf, Portland, the plumbing at $3,000. C. N. Freeman, Silverton, and Frank C. Clark, Medford, architects.

SOUTH PASADENA, Los Angeles Co., Cal.—Until 1:30 p. m., Oct. 18, bids will be received by Trustees of South Pasadena City High School District for erecting a frame and plastered physical culture bldg. and masonry auditorium bldg. Plans and spec. may be obtained at office of archt., Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles, on deposit of $25.

The physical culture bldg. will be one story and finished basement, 84x81 ft., frame and plas. construction.

The auditorium bldg. will be 2 stories and basement of either face brick or brick and plas. construction. It will contain auditorium with a seating capacity of 1200, stage, dressing room, storage rooms, heating plant in the basement.

FRESNO, Fresno Co., Cal.—Until Oct. 3, bids will be received by Principal, Washington Union High School District, Box 81, Route F, Fresno, for furnishing and delivering 2 electric motors, pump and wiring for two buildings.

HANFORD, Kings Co., Cal.—V. C. Bock, 1401 North Reddington St., Hanford, at $2,989 awarded contract by Youd School District to construct addition to school. Only other bidder, Carl Nelson, 216 West Florinda St., Hanford, $3,135.

SAN FRANCISCO.—Until Oct. 19, 3 p. m., bids will be received by Board of Public Works for constructing Galileo (North Beach) high school in east side of Van Ness Ave. between Francisco and Bay Sts. Bids will be taken for several construction, estimated cost $520,000; bond required, $130,000.

Heating and ventilating, $64,000; bond, $16,000.

Plumbing, $53,000; bond, $13,250.

Electric work, $36,000; bond, $9,000.

Bids for the balance of the building will be called for as work on the structure progresses. Work must be started within five days after award of contract and complete work within 240 days. Plans may be had from Bureau of Architecture, 2nd floor, City Hall.

HAYWARD, Alameda Co., Cal.—The Western Pump Co., 57 Post St., San Francisco, at $775 has been awarded a contract by the Hayward Union High School District to install an automatic pneumatic pressure water system at the high school. 2000 G.P.H. capacity under 50-lb. pressure; water to be pumped from well on the grounds.

TAFT, Kern Co., Cal.—Trewhitt-Shields, construction engineers, Cory Bldg., Fresno, will act as managers of construction for school improvements in the Conley district which has voted $360,000 for new construction. Bids will be received for the work under the system handled by Trewhitt-Shields in the Fresno City School program. Orville L. Clark, Browser Bldg., Bakersfield, is the architect.

BERKELEY, Cal. — The Berkeley Board of Education has awarded the following contracts for lighting fixtures, painting, etc., for schools; all bids were taken under advisement:

High school building, lighting fixtures and wiring to F. A. Newbery, San Francisco, $2210.

New Lincoln grammar school, lighting fixtures, to B. C. White, San Francisco, for $226.25.

Macadamizing Lincoln school playground to Kopperud & Heavey, $995; cement sidewalks at Lincoln school to W. E. Nelson, $814; supplying pipe for all grammar school playground apparatus to Crane & Co.

SAN FRANCISCO.—The following bids were received by the Board of Public Works for constructing Crocker Amazon school in west side of Cordova Ave. between Prague St. and Winding Way; a two-story and plaster structure, containing nine classroms:

General Construction

Architect's estimate	$72,000
O. Monson	67,800
C. L. Wold Co.	69,000
A. H. Vogt	73,833
G. P. W. Jensen (low)	64,300
F. F. Reilly	67,337
O. E. Carlson	67,120

Plumbing

Architect's estimate	$7,000
Wm. F. Wilson Co.	7,092
Fred W. Snook Co.	6,223
A. Lettich	5,895
Thos. Skelly	6,368
The Turner Co.	5,980
Scott Co.	6,267
J. E. O'Mara	6,500
Andrew Holle (low)	5,485

Heating and Ventilating

Architect's estimate	$5,000
J. Lettich (low)	3,147
James A. Nelson	3,786
Wm. F. Wilson Co.	4,099
P. J. Enright	3,728
A. Lettich	4,226
The Turner Co.	3,960
Scott Co.	3,780
J. E. O'Mara	4,144

Electric Work

Architect's estimate	$5,000
Standard Elec. Const. Co.	4,325
M. E. Ryan	3,776
Butte Elec. & Mfg Co.	4,121
J. M. Radelfinger	3,895
Butte Elec. & Equip. Co.	3,559
F. E. Newberry Elec. Co. (low)	3,549
Globe Elec. Works	3,978
The Turner Co.	3,980
C. D. Lieb	4,545

LOS ANGELES, Cal.—Alex. Grant, 1202 W. 36th Pl., Los Angeles, has been awarded the general contract at $20,697 for erecting an addition containing an auditorium and two class rooms at Budlong Ave. school. Other contracts were awarded as follows: Painting to Arenz-Warren Co. at $1,200; heating to J. Hokom at $1,732; and electrical work to Renard-Stary Electric Co. at $580. Alfred W. Rea and Chas. E. Garstang, 903 Trust & Savings Bldg., Los Angeles, architects.

LOS ANGELES, Cal.—John B. Dawson, Fay Bldg., Los Angeles, has been awarded the general contract at $51,760, with an addition of $1200 for completing the boiler room, for erecting an 8-room brick school bldg. at the Bridge St. school site. Hudson & Munsell, 443 Douglas Bldg., Los Angeles, are the architects. Other contracts were awarded as follows: Plumbing to G. C. Sutton at $4855; neating to Thos. Haverty Co. at $3199; painting to D. Zelinsky & Son at $2830; and electrical work to Renard-Stary Elec-Co. at $1990.

STORES AND OFFICES

Contracts Awarded.

STORE BLDG. Cost, $---

FRESNO, Fresno Co., Cal. No. 1124 J Street.

One-story basement and mezzanine reinforced concrete store building.

Owner—Annie L. Wallace, Fresno.

Lessee—The Wonder Cloak & Suit House.

Architect & Mgr. of Constr.—R. F. Felchlin Co., Bank of Italy Bldg., Fresno.

Mill Work to Pacific Mfg. Co., 177 Stevenson St., San Francisco, $3053.50.

Marble Work—American Marble & Mosaic Co., 25 Columbus Square, San Francisco, $2,866.

Lathing and Plastering—Wm. Simpson, $10,647.

Excavation—Fresno Builders Supply Co., Fresno, $5454.

Electric Wiring—Valley Electrical & Supply Co., 1817 Tulare St., Fresno, $2,856.50.

Brick Work—Paul Kindler, 145 N-Van Ness St., Fresno $2,350.

Structural and Miscellaneous Iron—Kyle & Co., Call Bldg., San Francisco, $1,530.

Reinforcing Steel—Kyle Co., $7,798.

Painting—Joe Streeter, $2,275.

Tile Work—Fresno Marble & Tile Co., 1937 Fresno St., Fresno, $610.88.

Heating & Ventilating—Barrett-Hicks Co., 1135 Broadway, Fresno, $4,923.

Sheet Metal Work—Barrett-Hicks Co., $1,083.

Glass and Glazing—Tyre Bros. Glass Co., 1314 Broadway, Fresno, $4,858.20.

Concrete Work—Kaufield & Tompkins, 2224 Fresno St., Fresno, $4,400.

Plumbing—E. A. Newman Co., 1927 Merced St., Fresno, $1,802.

Automatic Sprinkler System— Pacific Tire Extinguisher Co., 440 Howard St., San Francisco, $7,252.

Roofing — Valley Lumber Co., H and Mono Sts., Fresno, $733.85.

Freight Elevator—Otis Elevator Co., Griffith-McKenzie Bldg., Fresno. $1,990.

Sub-Figures to Be Taken Shortly.

OFFICE & STORE BLDGS.

Cost, $50,000 each

SAN FRANCISCO. S Sutter 144 and 188 W Powell St.

Two 4-story and basement reinforced concrete office and store bldgs.

Owner—A. F. Rousseau, 110 Sutter St., San Francisco.

Architect—David Coleman, 110 Sutter St., San Francisco.

NOTE:—These will adjoin the two-story structure now under construction for Mr. Rousseau.

Figures Being Taken for Millwork, Lumber and Plumbing.

OFFICE BLDG. Cost, $50,000

SAN FRANCISCO. N Sutter 137-5 E Stockton Street.

Five-story and basement reinforced concrete office building.

Owner—A. F. Rousseau, 110 Sutter St., San Francisco.

Architect—David Coleman, 110 Sutter St., San Francisco.

The grading has been awarded to the S. F. Motor Drayage Co. and the reinforcing steel to Gunn-Carle Co.

Plans Being Figured.

STORE BLDG. Cost, $17,500

SAN FRANCISCO. SW Mission 60 N 19th Street.

One-story and mezzanine reinforced concrete store building (2 stores).

Owner—Withheld.

Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Figures are being taken for a general contract.

Plans Being Prepared.

OFFICE BLDG. Cost, $25,000

OAKLAND, Alameda Co., Cal. S 15th St. bet. Franklin and Broadway.

Two-story reinforced concrete store and office building.

Owner—Mr. Hawley.

Contractor—Marks L. Diggs, Easton Bldg., Oakland.

Segregated figures will be taken in about a week.

Plans Being Prepared.
ALTERATIONS Cost, $7,500
SAN FRANCISCO. N Market near Marshall Square.
Alter store in hotel.
Owner—Hotel May.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Excavating Contract Awarded—Architect Taking Sub-Figures.
OFFICE BUILDING. Cost, $100,000
OAKLAND. SW 15th and Broadway.
Two-story and basement class "A" office building (terra cotta and granite exterior).
Owner—Oakland Title Ins. & Guarantee Co., 1308 Broadway, Oakland.
Architect—M. I. Diggs, 1108 Easton Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.
The excavatioin has been awarded to Ariss-Knapp Co., 1041 38th St., Oakland.

Figures Being Taken for Metal Furring and Lathing.
ADDITION Cost, $300,000
SAN FRANCISCO. NE Mission and New Montgomery Sts.
Three-story Class A addition to present two-story building, also a one-story super-structure on roof.
Owner—Schwenberg Metzger & Aronson, Merchants' Exchange Bldg., San Francisco.
Lessee—Associated Oil Company.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Engineer—C. H. Snyder, 251 Kearny St., San Francisco.

Contract Awarded.
CLASS A BLDG. Cost, $68,000
LOS ANGELES, Cal. E 3rd St near San Pedro St.
Two-story and basement Class "A" building 80x110 (designed for 6 stories).
Owner—Crane Co.
Architect—Morgan-Walls & Morgan, 1124 Van Nuys Bldg., Los Angeles.
Contractor—Robert E. Millsap, 423 Marsh-Strong Bldg., Los Angeles.

Plans Being Prepared.
STORE BLDG. Cost, $61,000
BERKELEY, Alameda Co., Cal. Durant and Telegraph Aves.
One-story brick store building.
Owner—Frank J. Woodward.
Architect—M. I. Diggs, Easton Bldg., Oakland.

Figures to be Taken in a Few Days.
STORE BLDG. Cost, $22,000
SAN FRANCISCO. SW Clement St. and Tenth Avenue.
One-story reinforced concrete (3) store building.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Contract Awarded.
STORE BLDG. Cost, $11,000
OAKLAND, Cal. NE Hobart and Webster.
One-story brick store building.
Owner—Geo. E. Bangle, 447 Lee St., Oakland.
Contractor—F. T. Kennedy, 434 9th St., Oakland.

Segregated Figures Being Taken.
STORE BLDG Cost, $22,000
SAN FRANCISCO. SW Clement St. & Tenth Ave.
One-story reinforced concrete (3) store building.
Owner—Eisenbach Co., Flatiron Bldg.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Figures To Be Taken Shortly.
STORE BLDG. Cost, $25,000
OAKLAND, Cal. NW Grand Ave. and Webster St.
One-story frame and stucco store building (8 stores).
Owner—H. A. Mitchell.
Architect—Reed & Corlett, Oakland Bank of Svgs. Bldg., Oakland.

Sub-Contracts Awarded.
STORE BLDG. Cost, $190,000
OAKLAND, Alameda Co., Cal. Broadway between 15th and 16th Sts.
Three-story reinforced concrete store building.
Owner—H. C. Capwell Co.
Lessee—Reich & Lievre.
Architect—Wm. Knowles, Call Bldg., San Francisco, and Central Bank Bldg., Oakland.
Contractor—Wm. Knowles.
Reinforced concrete frame awarded to Cahill-Vensano, 110 Sutter St., San Francisco.
Excavating to Ariss-Knapp Co., 1041 38th St., Oakland.
Reinforcing Steel to Edw. L. Soule, Rialto Bldg., San Francisco.

Reinforcing Steel Contract Awarded—Contractor Taking Sub-Figures.
OFFICE BUILDING Cost, $100,000
OAKLAND. SW 15th and Broadway.
Two-story and basement class "A" office building (terra cotta and granite exterior).
Owner—Oakland Title Ins. & Guarantee Co., 1308 Broadway, Oakland.
Architect — M. I Diggs, 1108 Easton Bldg., Oakland.
Contractor — F. A. Muller, Syndicate Bldg., Oakland.
Reinforcing steel awarded to Edw. L. Soule Co., Rialto Bldg., San Francisco.
The excavation has been completed by Ariss-Knapp Co., 1041 38th St., Oakland.

Plans Being Prepared.
OFFICE BLDG. Cost, $25,000
OAKLAND, Cal. Harrison St.
One-story and mezzanine reinforced concrete office building.
Owner—Lloyd Bros.
Lessee—Cal. State Motor Vehicle license department.
Architect—C. W McCall, Central Bank Bldg., Oakland.

FRESNO, Fresno Co., Cal.—Pete Droge, who recently purchased the old Hughes property at the corner of Van Ness Ave. and Inyo St., will have the present structure razed and will erect a modern business block. The project is in a preliminary state and early construction is not expected.

THEATRES

Concrete Contract Awarded.
THEATRE Cost, $300,000
SAN FRANCISCO. S Geary Street 137-6 W Mason Street.
Class A theatre.
Owner—Curran Theatre Co.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Concrete, excavation, back filling, fireproofing, brick work, terra cotta and metal ladder for basement awarded to Richard J. H. Forbes, Monadnock Bldg. at $22,250.
Figures will be taken shortly for the plumbing.

(Continued on Page 14)

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BIDS WANTED FOR LIGHTING PLANT

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT. Supervising Architect's Office, Washington, D. C., Sept. 15, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., Oct. 12, 1921, for the installation of a lighting plant, wiring, etc., at the United States Quarantine Station, Port Townsend, Wash., in accordance with the drawing and specification, copies of which may be had at this office or at the Office of the Custodian at Quarantine Station, Port Townsend, Wash., in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Specification and drawing may also be obtained at the office of Supervising Superintendent Roberts, 402 U. S. Post Office Bldg., San Francisco, California.

NOTICE TO CONTRACTORS

PROPOSALS FOR CONSTRUCTION OR A BRICK POWER HOUSE AND IMPROVEMENTS TO THE HEATING PLANT. Department of the Interior, Office of Indian Affairs, Washington, D. C., September 9, 1921.—Sealed proposals plainly marked on the outside of the sealed envelope, "Proposals for a brick power house and improvements to heating plant, Chemawa, Oregon," and addressed to the "Commissioner of Indian Affairs, Washington, D. C.," will be received at the Indian Office until 2 o'clock P. M., of October 5, 1921, for furnishing materials and labor for the construction of a brick power house and improvements to the heating plant, Salem Indian School, in strict accordance with the plans, specifications and instructions to bidders which may be examined at the office of the paper or periodical in which this advertisement appears, the United States Indian Warehouses at Chicago, Illinois, St. Louis, Missouri, San Francisco, California, and the Builders' Exchange, St. Paul, Minnesota, and at the office of the Superintendent of the Salem Indian School, Chemawa, Oregon. For further information apply to the Superintendent of the Salem Oregon, Indian School. CHARLES H. BURKE. Commissioner.

BIDS WANTED FOR METAL BOOK STACKS

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 23, 1921.—SEALED PROPOSALS will be received at this office until 3 p. m., October 18, 1921, and then opened, for metal book stacks installed in place in the United States Post Office, Custom House and Court House at Honolulu, T. H. Drawings and specifications may be obtained from the Superintendent of Construction of the building at Honolulu, Hawaii, from J. W. Roberts, Supervising Superintendent of Construction, Room 403 Post Office and Court House, San Francisco, California, or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR REPAIRS TO SANITORIUM

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT Supervising Architect's Office, Washington, D. C., Sept. 20, 1921.—SEALED PROPOSALS will be opened in this office at 3 p. m., October 19, 1921, for repairs at Fort Stanton, N. M., Sanitorium, in accordance with the specification, copies of which may be had at this office or at the office of the Custodian U. S. Sanitorium, Fort Stanton, N. M., in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR SHOP BUILDING

STATE OF CALIFONRIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office **of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 10th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made.

A maintenance shop building in the City of Sacramento, California.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated September 12, 1921.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 17th, 1921,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Lassen County, between the Westerly City Boundary and Pine Street in Susanville (II-Las-29-B), about 0.2 miles in length, to be graded.

Tuolumne County, between Westerly Boundary and one mile North of Keystone (III-Tuo-13-A), about 9.4 miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated September 19, 1921.

NOTICE TO BIDDERS

(Isolation Hospital)

Pursuant to an order of the Board of County Commissioners of Washoe County, Nevada, made and entered upon the 6th day of September, 1921, sealed bids and proposals will be received by the undersigned at the office of the County Clerk of Washoe County, in the City of Reno, County of Washoe, State of Nevada, not later than **twelve o'clock noon, Saturday, the eighth day of October, 1921,** and opened in the office of the County Commissioners at 1:30 o'clock p. m. on the same date, for the following: For the erection, construction, and completion of an Isolation Hospital Building according to the plans and specifications made by George A. Ferris & Son, architects of Reno, Nevada; plans and specifications may be obtained from the above named architects, at their office in the Colonial Hotel, Reno, Nevada, on and after the above date.

By order of the Board of County Commissioners of Washoe County, Nevada.

E. H. BEEMER,
Clerk of the Board of County Commissioners.

BIDS WANTED FOR SCHOOL BUILDING

NOTICE TO CONTRACTORS

(One-story Hollow Tile School)

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Trustees of the Central-Gaither Union School District, Sutter County, California, at the office of the County Superintendent of Schools, Yuba City, California, **until 10 o'clock A. M., Saturday, October 8, 1921,** for the erection of a school building to be built near Tudor, California, according to plans and specifications prepared for the same by George C. Sellon & Company, the authorized architects.

Bids will be received for the various branches of the work as follows: For the mason work and carpenter work combined; for the mason work; for the carpenter work; for the plastering; for the painting; for the roofing; for the sheet metal work; for the plumbing; for the heating, and for the electrical work.

Bids will also be received for the mechanical construction (including sheet metal work, plumbing, heating and electrical work.)

Plans and specifications can be seen during office hours at the office of the County Superintendent of Schools, Yuba City, California, and may be seen at or obtained from the office of the Architects, 202 Mitau Building, Sacramento, California.

A cash deposit of $25.00 will be required from all persons who obtain on all copies of plans and specifications loaned out, as a guarantee of the return of the same.

All bids shall be presented in blank forms which may be procured at the office of the Architects.

Each bids must be accompanied by a certified check in some responsible California bank for a sum not less than ten per centum (10%) of the amount of the bid, made payable to C. H. Hartwig, Secretary of the Board of Trustees, as a guarantee of good faith that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for the faithful performance of said work, and in case the bidder to whom the contract is awarded fails or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said School District in the manner provided by law.

Each bids must be enclosed in a sealed envelope and addressed to C. H. Hartwig, Secretary of the Board of Trustees, care County Superintendent of Schools, Yuba City, California, and endorsed "Proposal for building school."

The Board of Trustees expressly reserves the right to reject any or all bids.

By order of the Board of Trustees of Central-Gaither Union School District, California.

Signed: C. H. HARTWIG,
Secretary.

BIDS WANTED FOR ADDITION TO SCHOOL

NOTICE TO CONTRACTORS

Notice is hereby given that the Trustees of the Bender School District, Fresno County, will receive sealed bids up to and **not later than 4 o'clock p. m., on Friday, October 7th, 1921,** for the construction and completion of a two-class-room school building in accordance with the plans and specifications prepared by E. W. Peterson, architect, 437 Cory Building, Fresno, California. Bids will be opened at the First National Bank of Riverdale, Calif.

Plans and specifications may be obtained from the Architect.

All bids to be accompanied by a certified check on some solvent bank in the amount of 10 per cent of the amount of the bid in favor of the Clerk of the said School District, upon the condition, that if awarded the contract, the successful bidder will within five days thereafter, execute a contract for the construction of the work, and that he will furnish an approved bond in the amount of 50 per cent of the contract price.

The Trustees reserve the right to reject any and all bids.

W. C. SPITLER, Clerk.
ERNEST ABY,
W. L. STEINES,
Trustees of the Bender School District.

BIDS WANTED FOR GAS STEAM RADIATORS

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of School Trustees of the Midway School District, County of Kern, State of California, **up until 11 o'clock a. m. on the 7th day of October, 1921,** at which hour they will be opened at office of the Architect for said Board of School Trustees, said office located in the Brower Building, Bakersfield, California, for the furnishing and installing of all gas steam radiation for the Midway School, according to the plans and specifications prepared by Orville L. Clark, Architect, offices in the Brower Building, Bakersfield, California.

Each bid shall be made out on a form to be obtained at the Architect's office and must be accompanied by a certified or cashier's check in the amount of ten per cent (10%) of bid made payable to the order of Mrs. Mable Lewis, Clerk of the Board of School Trustees of the Midway School District. Bids shall be sealed and filed with the Architect for said Board of School Trustees of the Midway School District at the above specified time.

The above mentioned check shall be given as evidence that the bidder will enter into contract if awarded the work and will be declared forfeited if the successful bidder refuses to enter into said contract after being requested to do so by the Board of School Trustees.

The Board reserves the right to reject any or all bids.

By order of the Board of School Trustees of the Midway School District.

MRS. MABEL LEWIS, Clerk.
A. R. HUMMELL.
P. E. WILLIAMS.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

THE BOARD OF TRUSTEES OF THE RIVERVIEW UNION SCHOOL DISTRICT, Reedley, Calif., will receive sealed bids **on or before 2 o'clock P. M., October the 8th,** at Riverside Grammar School Building, near Reedley, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new Grammar School Building in accordance with plans and specifications prepared therefore by Anton Johnson, Architect, of Kingsburg, California. Bids will be received separately for the different segregated contracts, as follows:

Contract No. 1—For the Excavating, Concrete, Carpenter Work, Millwork, etc.

Contract No. 2—For Masonry and Hollow Tile Work.

Contract No. 3—For Tile Roofing.

Contract No. 4—For all Sheet Metal Work.

Contract No. 5—For Lathing and Plastering.

Contract No. 6—For Furnishing and Placing of Blackboards.

Contract No. 7—For the Painting.

Contract No. 8—For the Plumbing and Sewering.

Contract No. 9—For Electrical Work.

Contract No. 10—For the Heating and Ventilating.

Certified check for an amount not less than ten per cent (10%) of amount of bid should accompany each proposal, made payable to the order of Mr. J. R. McCahill, Clerk of the Riverview Grammar School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said Grammar School Board in accordance therewith, and shall furnish bonds as required by the specifications. Said check to be forfeited to the said Grammar School District should the bidder refuse to execute contract and furnish bond as above mentioned.

Plans and Specifications for all the above work may be seen in the office of Anton Johnson, Kingsburg, Calif.

A deposit of $10.00 will be required from all Contractors receiving plans. Said deposit will be refunded when plans and specifications are returned in good condition.

By order of the Board of Trustees, Riverview Grammar School District, Reedley, Calif., by Mr. J. R. McCahill, Clerk of the Board of Trustees, of the Riverview Union School District.

Dated September 14th, 1921.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

(One-story Hollow Tile Structure, Six Classrooms and an Auditorium)

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Newman Grammar School District, Newman, California, at the present grammar school building, located in the town of Newman, County of Stanislaus, State of California, **until 7 o'clock P. M., October 7th, 1921,** for the erection of a school building to be built in Newman, California, according to plans and specifications prepared for the same by George C. Sellon & Company, the authorized Architects.

Bids will be received for the various branches of the work as follows: For the mason work and carpenter work combined; for the mason work; for the carpenter work; for the plastering; for the painting; for the roofing, for the sheet metal work; for the plumbing, for the heating, and for the electrical work.

Bids will also be received for the mechanical construction (including sheet metal work, plumbing, heating, and electrical work.)

Plans and specifications can be seen at the office of the Clerk of said Board of Trustees, at Newman, California, and may be seen at or obtained from the office of the Architects, 202 Mitau Bldg., Sacramento, California. A cash deposit of $25.00 will be required from all prospective bidders on all copies of plans and specifications loaned out, as a guarantee of the same being returned.

All shall be presented on blank forms which may be procured at the office of the Architects. Each bid must be accompanied by a certified check on some responsible California bank for a sum not less than ten per centum (10%) of the amount of the bid made payable to Chas. LaBree, Clerk of the Board of Trustees, as a guarantee of good faith that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for faithful performance of said work, and in case the bidder to whom the contract is awarded fails or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said School District in the manner provided by law. Each bid must be enclosed in a sealed envelope and addressed to Charles LaBree, Clerk of the Board of Trustees of Newman Grammar School District, Newman, California, and endorsed "Proposal for building school."

The Board of Trustees expressly reserves the right to reject any or all bids.

By order of the Board of Trustees of Newman School District, Newman, Stanislaus County, California.

Dated Sept. 14th, 1921.

Signed:

CHAS. LABREE,
GUY W. MERWIN,
W. M. KNEIBES,
Trustees.

THEATRES

(Continued from Page 12)

Contract Awarded on a Percentage Basis.

ALTERATIONS Cost, $——

SAN FRANCISCO. Ellis St. near Powell

Extensive alterations to Curran Theatre, to be known as The Century Theatre.

Owner—Represented by Ackerman & Harris.

Architect — Weeks & Day, Phelan Bldg., San Francisco.

Contractor — Macdonald & Kahn, 130 Montgomery St.

Plans Being Prepared.

THEATRE Cost, $100,000

KLAMATH FALLS, Ore.

Three-story fireproof theatre, stores and offices, 25x106; seating capacity of theatre, 800 persons.

Owner—Name withheld.

Architect—Coates & Traver, Rowell Bldg., Fresno, Cal.

SAN FRANCISCO—The Butte Electric & Mfg. Co., 534 Folsom St., have been awarded a contract for the electrical work for the new Junior Orpheum Theatre on Golden Gate avenue and Taylor street. G. Albert Lansburgh, 709 Mission St. is the architect.

BRAWLEY, Imperial Co., Cal.—S. U. Anderson, proprietor of the Liberty Theatre, will erect a new theatre bldg., 50x125 ft., on the plaza. Two stores and auditorium to seat 800. Brick construction.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

LOS ANGELES, Cal.—No offers received September 19 by the Little Rock Creek and Palmdale Irrigation Districts for purchase of bonds for construction of a dam and irrigation system were accepted. A tentative offer which has some favorable aspects is under consideration, however, and some decision may be reached soon.

SAN ANDREAS, Calaveras Co., Cal.—Until Oct. 17, 10 a. m., bids will be received by A. W. Poe, County Clerk, for constructing reinforced concrete bridge over Stone Corral Creek near the so-called Stone Corral, and on the main county road leading from Valley Springs to Bellota. Cert. check 10% payable to county required with each bid. Specifications will be furnished on deposit of $5. W. S. Coulter, County Surveyor.

SEATTLE, Wash.—Street Committee of the City Council proposes to construct a steel and concrete trestle or overhead roadway in First avenue, South over Argo railroad yards in the southern section of the city; estimated cost, $750,000. Cost to be borne by city, railroads and Port of Seattle.

TACOMA, Wash. Port of Tacoma Commission planning expenditures of $1,000,000 for harbor improvements which will include the construction of a concrete transit shed.

PORTLAND, Ore.—Public Dock Commission orders plans prepared for enlarging municipal terminal No. 1 by constructing rear addition to main dock, 50 ft. wide and 955 ft. long; estimated cost, $100,000.

SANTA ROSA, Sonoma Co., Cal.—The following bids were received on September 27th by W. W. Felt Jr., County Clerk of Sonoma County, for constructing a steel bridge over the Russian River at Station 500 on the Healdsburg-Forestville road.

The contract was awarded to the Foundation Co., 58 Sutter St., San Francisco.

(1) Class A concrete; (2) reinforcing steel in place; (3) excavation; (4) piles in place under cut off, per foot.

Foundation Co. $104,900
(1) $16; (2) 5c; (3) $2.50; (4) 30c.
F. Bryant, San Jose $108,150
(1) $20, (2) 5c; (3) $12; (4) 31c.
W. R. Proctor, Santa Rosa $108,190
(1) $25; (2) 5c; (3) $5 and $1; (4) 60c.
Bordwell & Zimmerman, Calistoga $109,000; (1) $18; (2)5c; (3) $6; (4) 75c.
R. C. Storrie Co., S. F. $112,000
(1) $20; (2) 5c; (3) $4; (4) $1.
Clinton Constr. Co., S. F $113,335
(1) $20; (2) 4c; (3) $11; (4) 69c.
Healy-Tibbitts Con. Co., S. F... $114,327
(1) $10; (2) 3c; (3) $2; (4) 20c.
A. W. Kitchen, San Francisco.. $122,300
(1) $18.50; (2) 6c; (3) $6, (4) 27c.
Cahill-Vensano Co., S. F. $125,400
(1) $13; (2) 4½c; (3) $2.50 and $10 (4) 40c and 70c.
Security Bridge Co., Montana.. $124,700
(1) $18.50, (2) 5c, (3) $6, (4) 75c.
Mercer-Frazier Co., Eureka $114,635
(1) $15; (2) 4c; (3) $2.50; (4) 50c.
Union Constr. Co., S. F. $126,500
.. (1) $20; (2) 4c; (3) $3; (4) 60c.
R. McLeran & Co., S. F. $126,940
(1) $20; (2) 6c; (3) $7.50; (4) $1.

OROVILLE, Butte Co., Cal.—T. H Polk, 511 Second St., Chico, has been awarded a contract by the Supervisors for constructing fixe bridges. Bids received as follows:

Bridge over Kusel slough on the Chico and Orland State Highway:
O. A. Peter, Oroville $16,699.00
J. L. Webster, Chico 13,255.30
T. H. Polk, Chico 12,378.00
Jennings Bros. & Ward, Sacto 13,907.00
W. L. Thompson, Orland 14,900.00

Bridge over Rock Creek on the Chico and Orland State Highway:
W. L. Thompson $11,664.00
Jennings Bros. & Ward 10,438.00
T. H. Polk 9,441.00
O. A. Peter 12,764.00
J. L. Webster 9,984.40

Bridge over Mud Creek on the Chico and Orland State Highway:
W. L. Thompson&W. P. Gay. $11,182.00
O. A. Peter 11,339.00
T. H. Polk 8,567.00
J. L. Webster 8,957.10

Bridge over a slough at Station 127 of the survey of the Chico and Orland State Highway:
W. L. Thompson $2211.00
T. H. Polk 1771.00
O. A. Peter 2387.00
J. L. Webster 1533.54

Bridge over a slough at Station 124 of the survey of the Chico and Orland State Highway:
W. L. Thompson $2241.00
T. H. Polk 1766.00
J. L. Webster 1926.04
O. A. Peter 2382.00

H. H. Hume, County Engineer.

SEATTLE, Wash.—Plans for the foundation piers for the new $1,500,000 concrete and steel double-leaf bascule bridge to span the west waterway at Spokane St. are being completed and it is expected that bids will be called before January 1. The piling and pier work will cost about $450,000, according to Assistant City Engineer Liedeman.

PORTLAND, Ore.—A Guthrie & Co., Inc., Sherlock Bldg., Portland, awarded contract by Port of Portland Commission to construct spur dykes at the mouth of the Williamette river on a bid of $26,919. Project involves: 790 lin. ft. piling 70 to 85 ft. in length; 28,700 lin. ft. piling 55 to 65 ft. in length; furnishing 9,440 lin. ft. piling 40 to 55 ft. in length; cutting off and driving 700 piles; furnishing and placing 36,000 ft. B. M. timbers and wales and sway braces; 25,000 ft. B. M. lagging planks per M. B. M., net in place; 70,000 ft. B. M. of 3-in.x12-in. lagging; 50,000 cu. ft. brush.

PLACERVILLE, El Dorado Co., Cal.—Supervisors decide to postpone construction of the proposed new bridge at Chili Bar over the American River on the Georgetown Rd. until next Spring. County Board favors a full-length concrete bridge instead of a part steel as was first proposed. Henry Lahiff, County Surveyor.

HANFORD, Kings Co., Cal.—Until Oct. 15, 9:30 a. m., bids will be received by E. E. Pickerill, County Clerk, for constructing two reinforced concrete bridges over Kings River on the State Highway southwest of Lemoore, Division 6, Section 10, Route B. Involves 475 cu. yds. class A concr.; 52 concr. piles (120 cu. yds. concr.) and 75 tons steel. Cert. check 10% payable to Chairman Board of Supervisors required with each bid. Plans may be had from County Clerk on deposit of $5, not returnable. Roy May, County Surveyor.

IRRIGATION PROJECTS

BAKERSFIELD, Kern Co., Cal.—An irrigation project to cost $21,000,000 and to serve 90,000 acres is being promoted in the Indian Wells valley 110 miles northeast of Bakersfield.

BLYTHE, Riverside Co., Cal.—Directors of the Palo Verde joint levee district have decided to offer for sale at once $143,000 bonds. Part of the money will be used to build "shoo-fly" dikes around the gaps made in the levee by the last Colorado flood. After these bonds are sold only $60,000 will remain of the original $1,000,000 bond issue. Floyd Brown, engineer.

MODESTO, Stanislaus Co., Cal.—W. H. Webb, Modesto, has been awarded a contract by the Modesto Irrigation District for concrete lining in Goldsworthy lateral canal at Hackett-Conant ranch, and for concrete lining in Lateral 7 at Lucas-Carlson ranches. Bid is 11c sq. ft. for lining and $12 cu. yd. for concrete and cut-off walls. Other bidders were: John A. Carlson of Turlock and Pacific Constr. Co., San Francisco. Percy Jones, Chief Engineer for the district.

RED BLUFF, Tehama Co., Cal.—T. H. Ramsay, president of the Red Bluff National Bank, heads a movement for the irrigation of approximately 15,000 acres along the Sacramento river in the district northwest of Chico. The California Land Settlement Board is also interested in the project, it is said.

RENO, Nevada.—State Engineer E. J. Scrugham announces that a preliminary survey of the Spanish Springs ditch lines will be made by his department within the next week and may include a survey of the lands to be reclaimed and added to the Newlands

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Project. This work is preliminary to joint action by the State of Nevada and the United States Reclamation Service in adjudication of water and power rights along the Truckee River and otherwise preparing the way for construction of the proposed storage reservoir.

SAN JOSE, Santa Clara Co., Cal.—Election held to decide on the organization of the Santa Clara County Irrigation District failed to carry.

LIGHTING SYSTEMS

FULLERTON, Los Angeles Co., Cal.—Petitions for ornamental lighting systems on two sections of Union Ave. and on E. Amerige Ave. have been filed with City Trustees.

INGLEWOOD, Los Angeles Co., Cal.—Humphrey Engineering Constr. Co., San Fernando Bldg., Los Angeles, awarded contract at $10,799 for constructing an ornamental lighting system on portions of Market, Commercial, Regent, Queen and Los Angeles Sts. Other bids were: H .H. Walker, $11,666; C. W. Sparks, $12,631; D. F. McEwan, $13,169; F. E. Newbery Elec. Co., $13,870; Southern Calif. Elec. Co., $13,133; Standard Electric Co., $14,245, and J. E. Riddle Elec. Co., $15,500. Arthur W. Cory, City Engineer.

MACHINERY

ISABELLA, Kern Co., Cal.—Until October 6, bids will be received by Mrs. Estelle Barbeau, Clerk, South Fork Union School District, for furnishing and delivering auto bus for the transporting pupils of district; seating capacity 20 to 25.

MADERA, Madera Co., Cal.—Until Oct. 8, 10 a. m., bids will be received by Talbot School District, H. A. Archibald and B. E. Roberts, Trustees, for furnishing an automobile bus for transporting pupils; seating capacity, 10.

SAN JOSE, Santa Clara Co., Cal.—Herbert's Machinery & Supply Co. at $1,016 has been awarded a contract by the Supervisors to furnish and deliver engine lathe for use of the County Engineer.

SAN JOSE, Santa Clara Co., Cal.—Until October 17, 11 A. M., bids will be received by Henry Pfister, County Clerk, for furnishing and delivering a 4-yard steel dump body with hydraulic hoist complete; also for two rear wheels for gas roller No. 4.

County Engineer Irving Ryder has been authorized to purchase in the open market a jack hammer and steel Canedy-Otto Manufacturing Co., No. 38 forge.

ARCADIA, Los Angeles Co., Cal.—Lacy Mfg. Co., Los Angeles, was awarded the contract at 64.35c lin. ft. for furnishing 1200 ft., 8-in., 14-gauge riveted steel pipe to city of Arcadia. This price is f.o.b. Los Angeles. Los Angeles Mfg. Co., Western Pipe & Steel Co. and Baker Iron Works each bid 69.3c ft. O. A. Gierlich, City Engineer.

BERKELEY, Alameda Co., Cal.—Council, E. M. Hann, City Clerk, will sell at public auction on October 3, 9:30 A. M., at Corporation Yard, Allston Way and West street, equipment no longer required: Item 1, Municipal Emergency Hospital Equipment; item 2, Street Department Equipment; item 3, Fire Department Equipment. C. L. Huggins, City Engineer.

WILLOWS, Glenn Co., Cal.—Until Oct. 11, 10 a. m., bids will be received by W. H. Sale, County Clerk, for fur. and del a "Monroe" road grader for use in Road District No. 2. Specifications may be had from County Clerk. Bayard Knock, County surveyor.

SANTA BARBARA, Cal.—Santa Barbara Planing Mill, C. W. Carpenter, proprietor, is in the market for a used combination saw rig with sliding table, similar to Oliver No 60, Universal saw and desires quotations

LOS ANGELES, Cal.—Famous Players-Lasky Corp., 1520 Vine St., Hollywood, is in the market for a gasoline saw rig, either Novo, C. H. & E. or Oshkosh, new or second hand, in good condition. Give full particulars to C. W. Comeggs, Purchasing Agent.

RAILROADS

SACRAMENTO, Cal.—Three million dollars will be spent by the Western Pacific railroad in improvements to the Sacramento Northern railroad, if the applications of the former company to acquire the system is granted by the State Railroad Commission.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SACRAMENTO, Cal.—Following bids were received by the State Highway Commission on September 19:

Mendocino County, near Arnold (I-Men-1-G), an undergrade crossing of the Northwestern Pacific Railroad: 265 cu. yds. Class "C" Portland cement concrete; 4500 cu. yds, excavating without classification. Commission will furnish reinf. steel, cement and caps, sills, posts and stringers for supporting track.

California Constr. Co., San Rafael $13,526.75
T. M. Olney, Oakland..... 18,070.00
Engineer's Estimate, $15,151.25.

Stanislaus County, between southerly boundary and Ceres (III-Sta-4-A), about six (6.0) miles in length, to be surfaced with asph. conc.: 7200 tons asph. conc. surface. Commission will furnish asph. cement.

J. A. Costello Jr., S. F..... $49,176
Standard Paving Co., Modesto... 53,424
A. Teichert & Son, Sacramento.. 53,856
Federal Constr. Co., S. F..... 55,944
California Constr. Co., S. F..... 56,880
Clark & Henry, Stockton..... 70,200
Valley Paving & Constr. Co. Visalia 85,680
Engineer's Estimate, $60,030.

Santa Clara County, between Perry and Morgan Hill (IV-SCI-2-B), about four and three-tenths (4.3) miles in length, to be surfaced with asph. conc.; 4700 tons asph. conc. surface. Commission will furnish asph. cement.

J. A. Costello Jr., S. F..... $36,895
Hugh Crummey, Oakland..... 41,830
Clark & Henry, Stockton..... 43,804
Pacific States Constr. Co., S. F.. 45,355
Engineer's Estimae, $40,537.50.

Santa Clara County, between Gilroy and Carnadero Creek (VI-SCI-2-C), about one and seven-tenths (1.7) miles in length, to be paved with Portland cement concrete: 3850 yds. Class "A" Portland cement concrete pavement; 1.72 miles grading earth shoulders. Commission will furnish reinf. steel, cement and sand and coarse aggregate.

R. J. Blanco, Vallejo..... $24,836.50
W. A. Dontanville, Hollister.. 24,879.50
C. H. & A. W. Gorrell, S. F... 25,434.50
General Constr. Co., S. F..... 29,987.70
J. A. Costello Jr., S. F..... 31,474.00
Dasich Bros. Co., Los Angeles 32,348.86
Hugh Crummey, Oakland.... 37,127.64
Granite Rock Co., Watsonville 38,275.00
Engineer's Estimae, $31,981.50.

Monterey County, between King City and South side of Salinas River (V-Mon-2-F), about 1.0 mile in length; 0.5 mile to be paved with asph. concr. and 0.5 mile on the Salinas River bridge to be surfaced with asph. concr.: 1900 cu. yds. excavation without classification; 2000 tons asph. concr. mixture (pavement).

Grant-Smith Co., S. F..... $26,090
Hugh Crummey, Oakland..... 30,550
Engineer's Estimate, $20,600.

Merced County, between Delhi and Northerly Boundry (VI-Mer-4-D), about four and two-tenths (4.2) miles in length, to be surfaced with asph. concr.: 4560 tons asph. concr. surface. Commission will furnish asph. cement.

J. A. Costello Jr., S. F..... $30,780.00
A. Teichert & Son, Sacto..... 34,108.80
Federal Constr. Co., S. F..... 35,431.20
California Constr. Co., S. F... 36,024.00
Clark & Henry Co., Stockton. 46,740.00
Valley Paving & Constr. Co., Vallejo 54,264.00
Engineer's Estimate, $38,019.

Santa Barbara County, between Canada de la Posta and Gaviota (V-SB-2-E & F), about three and two-tenths (3.2) miles in length, to be widened with Portland cement concr. shoulders and surfaced with asph. concr.: 1800 cu. yds. Class "A" Portland cement concr. (shoulders and repairs to old base); 1430 tons asph. concr. surface; 3.21 miles grading earth shoulders. Commission will furnish reinforcing stel, cement, sand and coarse aggregate for concr. and asph. cement for asph, concr.

No bids were received for the above.

Orange County, between Fullerton and Northerly Boundary (VII-Ora-2-F), about 4.8 miles in length, 2.8 miles to be paved with Portland cement concrete and 2.0 miles to be widened with Portland cement concrete shoulders and surfaced with asph. concr.; 6600 cu. yds. Class "A" Portland cement concr. (pavement and shoulders); 2670 tons asph. concr. surface; 4.75 miles grading earth shoulders. Commission will furnish reinforcing steel, cement, sand and coarse aggregate for concr. and asph. cement for asph. concr.

Riley & Peterson, San Diego..$54,494.10
B. R. Ford, Santa Ana..... 56,145.50
Geo. R. Curtis, Los Angeles.. 64,920.00
Wells & Dressler, Santa Ana.. 67,652.70
J G. Beckjord, Los Angeles.. 81,508.00
Francisco & Ellington, Bishop 97,691.50
Engineer's estimate..... 82,823.00

REDWOOD CITY, San Mateo Co., Cal.—City Trustees, W. A. Price, Clerk, pass res. of int. to improve Finger ave., involving:

2058 cu. yds. of excavation;
2030 lin. ft. of curb-cement concrete;
640 lin. ft. of 6" vitrified tile pipe sewer;
308 lin. ft. of 4" vitrified tile pipe sewer laterals;
11-6"x4" wyes;
3-brick manholes with cast iron frames and covers;
1-lamphole, with cast iron cover;
48055-square feet of asphaltic macadam pavement.

Res. of int. also passed for improving certain streets in Redwood Highlands. Work consists of preparing existing macadam pavement for construction thereon of asphaltic oil wearing surface, and construction of said wearing surface.—also included one culvert of corrugated galvanized iron arches 4"x24" with concrete base and top. Approximately 721,000 square feet of pavement. Protests will be heard Oct. 3. C. L. Dimmitt, city engineer.

VALLEJO, Solano Co., Cal.—United Construction Co., Vallejo, awarded contract by council for improving portions of Capitol St., involving 800 cu. yds. grading and excavating; 830 lin. ft. combined curb, gutter and sidewalk; 16,760 sq. ft. asph. concr. pavement

base; 16,760 sq. ft. asphalt concr. wearing surface; 87 lin. ft. storm water drain; 1 storm water inlet; 170 lin. ft. concr. curb and gutter; 75 lin. ft. concr. gutter; 40 lin. ft. curb armor. T. D. Kilkenny, City Engineer.

FRESNO, Fresno Co., Cal. City Commissioners, R. Y. St. George, Clerk, pass Resolution of Intention to construct 6-in. vitrified clay pipe lateral sewer from manhole in place in Clara Ave. 10 ft. south of California Ave., thence north 30 ft. to a point 20 ft. north of California Ave., thence west 20 ft. north to the alley in block 240, thence nortwest along the alley of Blocks 240 and 242 to a manhole 50 ft. northwest from Block 2, Paige Tract, construction of 4-in. or 6-in. wyes, manholes, etc. Improvement Act 1911. Protests October 6. William Stranahan, City Commissioner of Public Works.

MARTINEZ, Contra Costa Co., Cal.—Kopperud & Heafey, 2030 High St., Oakland, at $21,734 awarded contract by Supervisors for improving concrete highway from Byron south to county line. Work will consist of constructing 2-ft. oil macadam shoulder on each side of road for about 2 miles and 1½-in. asphaltic topping placed over entire road. C. P. Hoare next low bidder at $21,893. R. R. Arnold, County Engineer.

SAN JOSE, Santa Clara Co., Cal.—County Engineer Irving L. Ryder instructed to repair Elena Ave., Reservoir Rd., Summitt Rd. and Oak Sanitarium Rd.

SANTA CRUZ, Santa Cruz Co., Cal.—W. E. Miller, 81 Church St., Santa Cruz, at $23,248.73 awarded contract by Council to improve portions of Bay St., involving 88,819 sq. ft. grading; 54,039.80 sq. ft. 5-in. concr. pavement; 896 lin. ft. 4-in. laterals; 68 wye branches; 9 brick manholes; 2856.87 ft. 12-in. concr. drain pipe; 12 combination catchbasins and manholes; 2 brick catchbasins; 1983.21 lin. ft. 6-in. vitrified sewer. James K. James, City Engineer.

PACIFIC GROVE, Monterey Co., Cal.—Trustees planning paving of principal business streets; estimated cost, $55,000, exclusive of electrolier installation. H. D. Severance, City Engineer.

LOS ANGELES, Cal.—Tryon & Brain, 201 Tajo Bldg., submitted the lowest bid to Board of Public Works at about $174,602.86 for improving Hoover St. betw. Manchester and Slauson Aves., involving 541,089 sq. ft. grading at 3¾c ft.; 51,089 sq. ft. 6-in. concr. pavement at 22¾c ft.; 19,290 ft. curb at 60c ft.; 95,211 sq. ft. sidewalk at 18c ft.; 8 sq. ft. gutter at 35c ft.; reinf. concr. culvert at $1100 complete; 733 ft. house connection sewers at $1.50 ft. Geo. H. Oswald, 366 E. 58th St., submitted next low bid at about $177,376.36.

SAN FRANCISCO.—Following bids received by Board of Public Works for improving Pt. Lobos Ave. betw. Great Highway and 48th Ave.;

C. B. Eaton	$101,683
City Construction Co	123,371
Pacific States Const. Co.	111,936
Fay Improvement Co.	108,978
Healy Tibbitts Const. Co.	117,429
General Const. Co.	138,671

TURLOCK, Stanislaus Co., Cal.—The following bids were received by the Trustees, Horace Hall, City Engineer, for street improvements:

Myrtle, Merritt and Sycamore Sts., A. Teichart & Son, Ochsner Bldg., Sacramento (1) grading, $.02 sq. ft.; (2) paving, $.248 sq. ft.; (3) [illegible] sq. ft.; (4) curbs, $.50 lin. ft. [illegible] Costello, 218 Pine St., San Francisco, (1) $.03; (2) $.20; (3) $.25; (4) $.75.

Florence St., A. Teichart & Son (1) grading, $.03; (2) paving, $.245; (3) gutters, $.25; (4) curb, $.50; (5) culverts, $2.95 lin. ft. Costello bid: (1) $.035; (2) $.22; (3) $.25; (4) $.75; (5) $2.00.

Marshall St., A. Teichert & Son (1) grading, $.03; (2) paving, $.25; (3) gutters, $.25; (4) curbs, $.50; (5) culverts, $2.95. Costello bid: (1) $.03; (2) $.22; (3) $.25; (4) $.75; (5) $2.00.

East Olive St., A. Teichert & Son (1) grading, $.03; (2) paving, $.25; (3) gutters, $.25; (4) oiled area, $.04; (5) culverts, $2.95. Costello bid: (1) $.03; (2) $.22; (3) $.25; (4) $.03; (5) $2.00.

Lander Ave. (1) grading, $.03; (2) removing surface coat, $.01; (3) 3-in. black base, $.15; (4) 1½-in. Warrenite, $.105; (5) repairing old pavement, $.17. Costello bid: (1) $.035; (2) $.04; (3) $.14; (4) $.07; (5) $.28.

North and South First streets: A. Teichart & Son (1) grading, $.03; (2) paving, $.26; (3) removing old curb per lin. ft., $.10; (4) constructing integral curb and gutter per lin. ft., $2.90. John F. Knapp, Turlock, bid: (1) $.0335; (2) $.2915; (3) $.383; (4) $3.25. Costello bid (1) $.04; (2) $.28; (3) $.25; (4) $1.25.

All bids taken under advisement.

BERKELEY, Alameda Co., Cal.—City Council, E. M. Hann, Clerk, passes Resolution of Intention to improve Northside Ave. from Gilman St. south 220.81 ft. by grading, constructing redwood curbs, concrete gutters and paving with macadam with asphaltic road oil surface; constructing one concrete alley gutter 3 ft. wide. Improvement Act 1911. Protests October 4.

Resolution of Intention also passed to improve Shattuck Ave. from Hearst to Vine St., and Vine St. from Shattuck Ave. east 133 ft. by grading, constructing concrete curbs and gutters, placing a 3-in. asphaltic pavement, constructing concrete catchbasins, 10-in. vitrified pipe sewer. Improvement Act 1911. Protests October 7. C. L. Huggins, City Engineer.

HERMOSA BEACH, Cal.—The State Board of Health has approved plans for a new sewage disposal plant for Hermosa Beach. They provide for 6 settling basins with storage tank to take care of 6000 population. The basins and tank will be reinforced concrete. The roof of the tank will be designed for floor of garage for 15-ton truck. Effluent from the sewage will be discharged into ocean on outgoing tides only through a 14-in. cast iron pipe carried out under the municipal pier and extending to ocean bottom at end of pier, 24 ft. under mean low tide. The pipe line will be 2000 ft. long. An ejector system will be installed in the present Cameron tank under the city hall to force the sewage into the settling basins on the hill. It is proposed to build the plant under the Vrooman Act. Estimated cost about $46,000. Victor H. Staheli, City Engineer.

SACRAMENTO, Cal.—City Council, M. J. Desmond, Clerk, passes res. of int. to improve Santa Ynez Way from manhole in place bet. N st. and Folsom Blvd., to a point 148.5 ft. north of center line of N st., by constructing vit pipe sewer, 1 concrete manhole; improving 3-ft. easement adjoining lots 25 to 29, incl., in Crescent Park by constructing vit. pipe sewer with 7 6-in. vit. wyes, 1 6-in. vit. flusher branch, 1 concrete manhole; improving easement adjoining lots 20 to 24 of Crescent Park by constructing vit. pipe sewer, 10 6-in. vit. wyes, 1 6-in. vit. flusher branch. Imp. Act 1911.

Res. of int. to improve 5th st., from Q to S sts., by constructing concrete curb wall, concrete curbs and gutters, placing c. i. gutter drains connected to sewer with 6-in. vit. pipe; grading and paving with 6-in. concrete. Imp. Act 1911.

Res. of int. to improve 5th ave., from Stockton Boul., to 65th st., by constructing 1 concrete manhole, reconstructing 15 existing manholes, placing 22 C. I. gutter drains connected to sewer with 6-in. vit. pipe, grading and paving with 4-in. asphalt. Albert Givan, City Engineer.

OAKLAND, Cal.—Bates & Borland, Oakland Bank of Savings Bldg., Oakland, awarded contract by council to construct concrete culvert, 5-ft. 10-in. by 5-ft. at $19.50 lin. ft.; concrete curtain walls, $10 ea.; cast iron inlets, $75 ea.; 10-in. vit. pipe, $5.00 per 2-ft. length; across Haddon road bet. Excelsior ave. and Trestle Glen road. Geo. Mattis, City Engineer.

SACRAMENTO, Cal.—No bids received by supervisors for constructing a concrete highway on the Marysville road extending from the end of the concrete at Elverta, north a distance of 1600 feet. County Engineer Drury Butler instructed to do work by day labor.

BERKELEY, Alameda Co., Cal.—City Council, E. M. Hann, clerk, passes res. of int. to construct 6-in. vit. pipe sewer in Colusa Ave. from a point 126 ft. south of Posen Ave. to a point 155.38 ft. west; thence 200 ft. south to a point 20 ft. south of Hopkins St., including the construction of brick manholes. Imp. Act of 1911. Protests Oct. 7. C. L. Huggins, City Engineer.

NAPA, Napa Co., Cal.—R. E. Errington, Napa, at $3,174.54 awarded contract by Council to improve Madison St. from First St. northerly: 729.9 cu. yds. grading, $1.00; 23,004 sq. ft. 2-course asphalt macadam pavement, $.08; 1007.2 lin. ft. concrete curbs, $.60. H. A. Harrold, City Engineer.

BURBANK, Los Angeles Co., Cal.—Until 7:30 p. m., Oct. 11, bids will be received by City Clerk F. S. Webster for improving 11th St. betw. east city boundary and Olive St. by grading roadway 40 ft. wide and paving with concr. 30 ft. wide and constructing culverts; 1911 Act. F. C. Miller, City Engineer.

FAIRFIELD, Solano Co., Cal.—Benicia Chamber of Commerce urging Supervisors to repair road leading to Benicia water works. F. A. Steiger, County Engineer.

CARSON CITY, Nevada.—Following is complete list of bids received by State Highway Commission for constructing a portion of State Highway in Churchill County, between Salt Wells and Sand Springs, Route 2, Section C-1, involving 10.42 lin. mi. preparing sub-grade and shoulders and 75,085 sq. yds. crushed rock surface, constructed in two layers: Armstrong & Baker, Reno, $61,523.75; Nevada Construction Co., 68,112.85; T. J. Reese and W. L. Crehore, $79,849.16; Northern California Construction Co., $85,505; J. H. Causten, $99,552.94, and Heinecke Construction Co., $102,023.70 Taken under advisement.

VENTURA, Ventura Co., Cal.—Until 10:10 a. m., Oct. 8, bids will be received by Supervisors for grading, gravelling and oiling and constructing culverts on a portion of Janss and Camarillo roads, involving about 5000 cu. yds. excav., 4500 cu. yds. gravel surfacing and 1600 bbls. asphaltic oil. Cert. check or bond for 10%. Plans and spec. may be obtained from County Surveyor Chas. Petit. L. E. Hallowell, County Clerk.

REDWOOD CITY, San Mateo Co., Cal.—Until Oct. 10, 10 a. m., bids will be received by Elizabeth N. Nash, County Clerk, for constructing storm water sewer in San Bruno Rd. near the Seven Mile House. Geo. Kneese, County Engineer.

SACRAMENTO, Cal.—Two bids received by Supervisors for constructing concrete highway on the Sheldon-Slough House road extending easterly from the end of concrete to Patterson's Corner, a distance of 10,000 feet. General Construction Co., San Francisco, bid $37,985; Thos. Byrne, Sacramento, $13.95 cu. yd. for concrete, $.60 cu. yd. extra grading. Bids taken under advisement until Sept. 28. Drury Butler, County Engineer.

PETALUMA, Sonoma Co., Cal.—Schlunneger Bros., Petaluma, awarded contract by Council to improve Bodega Ave., involving 817 cu. yds. excavation and 37,442 sq. ft. concr. pavement 5 in. thick; $1.25 cu. yd. excavation; $.09½ sq. ft. paving; city to furnish all materials. N. S. Frost, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—Palo Alto Chamber of Commerce circulating petitions urging Supervisors to pave that section of Embarcadero Rd. connecting Palo Alto with the waterfront, a distance of about one-half mile. Irving Ryder, County Engineer.

WOODLAND, Yolo Co., Cal.—County Engineer Asa G. Proctor instructed to pave streets in town of Winters by day labor.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications for improving Arch St. bet. Holloway and Garfield; estimated cost, $7,000. Project involves 1,330 lin. ft. concrete curbs; 7,500 sq. ft. concrete pavement, and 12,450 sq. ft. asphalt concrete pavement.

LOS ANGELES, Cal.—Tryon & Brain, 201 Tajo B'dg., Los Angeles, were awarded contract at $174,302.87 for improving Hoover St. betw. Manchester and Slauson Aves., involving 541,089 sq. ft. grading at 3¾c ft.; 541,089 sq. ft. 6-in. concr. pavement at 22¾c ft.; 19,290 ft. curb at 60c ft.; 95,211 sq. ft. sidewalk at 18c ft.; 8 sq. ft. gutter at 35c ft.; reinf. concr. culvert at $1100 complete; 733 ft. house connection sewers at $1.50 ft. Other bids were: Geo. H. Oswald, $177,576.61; Fairchild-Gilmore-Wilton Co., $118,093.37; Geo. R. Curtis, $189,833.91; Los Angeles Paving Co., $239,524.97; engineer's estimate, $191,566.79.

MODESTO, Stanislaus Co., Cal.—City Engineer George Freitas preparing specifications for paving James St.

SANTA MONICA, Los Angeles Co., Cal.—The City Commission has ordered construction of a 12-in. sewer in Palisades Beach road, a distance of 6000 ft.; estimated cost, $11,000.

MARTINEZ, Contra Costa Co., Cal.—Warren Construction Co., Rialto Bldg., San Francis, sub-lets contract to Paul & Sayles of Martinez for paving Escobar street. Contract price in neighborhood of $25,000. W. S. Farley, City Engineer.

YUBA CITY, Sutter Co., Cal. Galbraith & Janes, 156 South 14th St., Richmond, at approx. $112,825 awarded contract by Trustees for paving streets in Cooper tract at approx. $17,557.50 for paving streets in the Shasta district. Bids were also submitted by Clark & Henery Construction Co., and Federal Construction Co. Edward von Geldern, City Engineer.

UKIAH, Mendocino Co., Cal.—Until Oct. 11, 11 a. m., bids will be received by Hale Prather, County Clerk, for constructing Section 1 of the proposed road leading from a point on the California State Highway near the southwest corner of the "Race Track" easterly to Station 39 50 near the east line of lands of G. Corse in the Second Road District of Mendocino County. Project involves: 13.68 cu. yds. reinforced concrete; 238.33 cu. yds. plain concrete; 1250 lin. ft. 1¼-in. galv. pipe; 4,707.37 cu. yds. unclassified excavation; 725 cu. yds. gravel surfacing; Certified check 10% required with each bid. E. H. Smith, County Surveyor.

BERKELEY, Alameda Co., Cal.—Hickey & Harmon, 1230 Green St., San Francisco, at approximately $15,000 awarded contract by Council to construct 1100 ft. of reinforced concrete sewer 3x4 ft. by 6 in.; 2 manholes and 4 catchbasins in Woolsey St. from Adeline St. easterly. C. L. Huggins, City Engineer.

PETALUMA, Sonoma Co., Cal.—Council awards contract to M. Vonsen Co., Petaluma, for furnishing 513 barrels of cement at $3.63 per bbl.; 15 cents per return of empty sacks and 5 cents bbl. paid in 10 days. No bids received by Council for furnishing 300 cu. yds. of sand. N. S. Frost, City Engineer.

SACRAMENTO, Cal.—R. McLeran Co., Hearst Bldg., San Francisco, at $115,580 awarded contract by City Commissioners to construct filtered water basin for Sacramento filtration plant. Basin will have a flat slab roof, to hold about 5,000,000 gallons of water. The base dimensions are 148 feet by 296 feet 10 inches and the overall height is 19 feet 6 inches. Other bidders were: Robert Trost, San Francisco, $115,728, and the Cahill Vensano Co., San Francisco, $132,930.

MODESTO, Stanislaus Co., Cal.—Until Oct. 12, 8 p. m., bids will be received by L. A. Love, City Clerk, for improving the alley bet. 15th and 16th, F and G Sts., by grading, paving with 5-in. concrete, constructing O. P. curbs. Imp. Bond Act 1915. Geo. Freitas, City Engineer.

LODI, San Joaquin Co., Cal.—Until Oct. 10, 8 p. m., bids will be received by J. F. Blakely, City Clerk, (1) for fur. and del. 800 ft. 16-in; 900 ft. 18-in.; 440 ft. 20-in.; 500 ft. 22-in. and 8000 ft. 24-in. s.g.v. or cement sewer pipe; (2) for excavating and laying same; (3) for fur. pipe and installing same. Bids on pipe to be priced f. o. b. Lodi. Certified check of 10% payable to City Clerk required. L. F. Barzolotti, City Engineer.

MODESTO, Stanislaus Co., Cal.—W. H. Webb, Modesto, awarded contract by Council to improve portions of Franklin St.: manholes, $60 ea.; lampholes, $25 ea.; 6-in. vit. sewer, $.45 ft.; excavation and backfilling, $1.25 cu. yd.; 6-in. by 6-in. wyes, $1.50 ea.; 6-in. by 6-in. tees, $2 ea. Geo. Freitas, City Engineer.

SACRAMENTO, Cal.—State Highway Commission rejects bids for paving in Monterey County, between King City and South side of Salinas river, about 1.0 mile in length; 0.5 mile to be paved with asphalt concrete and 0.5 mile on the Salinas river bridge surfaced with asphalt concrete. Two bids were submitted: Grant Smith Co., $26,090, and Hugh Crummey, Oakland, $30,550. Engineer's estimate, $20,600.

OAKLAND, Cal.—Until October 6, 12 M., bids will be received by Eugene K. Sturgis, City Clerk, for improving Orion street, between 62nd and 64th avenues, by grading, constructing concrete curbs, gutters, sidewalks and paving with oil macadam. Improvement Act 1911. Certified check for 10% payable to city required with each bid. Geo. Mattis, City Engineer.

OAKLAND, Cal.—The City Council is planning a municipal golf links on Vargas ranch. Project will require the construction of a road costing approximately $10,000. Geo. Mattis, City Engineer.

SACRAMENTO, Cal.—J. W. Terrell, 1111 29th St., Sacramento, has been awarded a contract by the City Commissioners to improve Catala Way from manhole in place in Stockton Blvd., to Ford's Addition by construcaing 8-in. vitrified pipe sewer with 17 6-in. wyes and 1 6-in. vitrified flusher branch. Albert Givan, City Engineer.

SEBASTOPOL, Sonoma Co., Cal.—City Trustees will shortly issue a call for bids for improving Bodega avenue from City Hall to city limits; Petaluma avenue from the southern boundary of the electric railroad; South Main street from the present improvement to Litchfield avenue; Healdsburg avenue for its full length.

SACRAMENTO, Cal.—R. J. Blanco, Vallejo, has been awarded a contract by the State Highway Commission at $24,836.50 to pave with concrete 1.7 miles of highway in Santa Clara County between Gilroy and Carnadero creek, involving 3850 yds. Class "A" Portland cement concrete pavement; 1.72 miles grading earth shoulders. Commission will furnish reinforcing steel, cement and sand and coarse aggregate. Engineer's estimate is $31,981.50.

California Constr. Co., 58 Second St., San Francisco, at $13,526.75 awarded a contract to construct near Arnold, Mendocino County, an undergrade crossing of the Northwestern Pacific Railroad, including 265 cu. yds. Class "C" Portland cement concrete; 4500 cu. yds. excavating without classification. Commission to furnish reinf. steel, cement and caps, sills, posts and stringers for supporting track. Engineer's estimate, $15,151.25.

SANTA BARBARA, Cal.—Construction of a 5-in. concr. pavement 18 ft. wide on the road from Betteravia to the Guadalupe-Santa Maria highway has been started under supervision of Supervisor C. L. Preisker. Work has also been started on paving of road from San Marcos highway to Tucker's Grove under supervision of Supervisor J. T. Torrence. About 3500 lin. ft. oil macadam 18 ft. wide will be constructed. Both jobs are being done by force account.

MODESTO, Stanislaus Co., Cal.—Until Oct. 12, 8 p. m., bids will be received by L. A. Love, City Clerk, for improving James St. from Spencer to Downey and Downey from James to H St., by grading, paving with 2½-in. asphaltic concr. base with 1½-in. bitulithic wearing surface, concrete curbs and gutters. Imp Bond Act 1915. Cert. check 10% payable to city required with each bid. Geo. Freitas, City Engineer.

BUSINESS OPPORTUNITIES

Amalgamated Commercial Corp., 42 Broadway, New York City, importers of iron and steel and non-ferrous metal products, wish to secure a representative acquainted with the class of merchandise to act for them on commission basis in San Francisco.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the ontracts for this issue:

No.	Owner	Contractor	Amt.
943	Union Oil	Owner	2000
944	Janssen	Owner	9800
945	Same	Same	9800
946	Abbott	Sandberg	500
947	Luichesi	Martinelli	950
948	Sullivan	Storheim	12000
949	Linears	Nichols	500
950	Rousseau	Owner	50000
951	Same	Same	50000
952	Burke	Farquharson	1200
953	Hansen	Owner	6000
954	O'Brien	Kiernan	35000
955	Keating	Vodder	15500
956	Bossong	Owner	500
957	Humphrey	Owner	26000
958	Mullen	Owner	500
959	Harms	Brown	2188
960	Strub	Moller	1500
961	Anglo-Calif	Macdonald	25000
962	Ebright	Dowsett	2500
963	Sartolou	Muller	11700
964	Curran	Forbes	22250
965	Doyle	Costello	2000
966	Archambault	Peters	7400
967	Bonetti	Owner	3000
968	Buckbee	Swenson	900
969	Wall	Waterhouse	500
970	Christensen	Heden	800
971	Sweeney	Casty	865
972	Williamson	Gilmour	2500
973	Mogan	Solomon	1500
974	Miller	Galvin	2500
975	Stewart	Fink	1200
976	Welsh	Inlaid	1840
977	Moneta	Arnott	5000
978	Berghauser	Arnott	27444
979	Crawford	Watson	6000
980	McIntyre	Owner	500
981	Pease	Cobby	500
982	Downey	Commary	1000
983	Hanily	Owner	500
984	Stanfield	Owner	600
985	Bagnasacco	Gigli	2500
986	Mueller	Maas	500
987	Salvation	Vukicevich	47750
988	Same	McLeod	4800
989	Same	Gilley	2964
990	Same	Paci Elec	1750
991	Bosworth	Carlson	4500
992	Johnson	Owner	4950
993	Eisenbach	Owner	20000
994	Monson	Owner	4000
995	Rosenbaum	Quinn	3000
996	Bennett	Lyon	10000
997	Paraffine	Owner	500
998	Robb	Bradley	500
999	Knickerbocker	Barrett	800
000	Black	Arras	900
001	Marsh	Denke	1700
002	Righetti	Farnocchia	850
003	Beasley	Owner	500
004	Dragon	Glaser	3000
005	Schmidt	Owner	3000
006	Anderson	Owner	11700
007	Standard	Owner	4000
008	Lind	Owner	4000
009	U of C	Owner	500
010	Bollman	Wagner	800
011	Western Un	Owner	1500
012	Murphy	Boyyer	626
013	Hyman	Rhine	750
014	San Bruno	Abrahams	6400
015	Hantzische	Owner	500
016	Luce	Cook	4000
017	Nasser	Flatland	7466
018	Mazzoni	Salomon	1653
019	Mellugh	Meyer	22400
020	Nelson	Nelson	6000
021	Same	Same	6000
022	Same	Same	6000
023	Same	Same	6000
2124	Same	Same	5500
2125	Same	Same	5500
2126	Same	Same	5500
2127	Same	Same	5500
2128	London	Chase	1500
2129	Westerly	Owner	18000
2130	Hemminga	Owner	12000
2131	Veoigtlander	Saari	3000
2132	Kingwell	Owner	9750
2133	Ozaniz	Owner	3750
2134	Parker	Olsen	8600
2135	Schell	Owner	5000
2136	Wilkins	Hamerton	28000
2137	Freethy	Owner	3000
2138	Troyer	Wesendunk	500
2139	Ackermann	Macdonald	20000
2140	City Realty	Cox	8000
2141	Cunferman	Kessler	2000
2142	Kelly	Owner	1200
2143	Swenberg	Runge	600
2144	Deibel	Owner	2500
2145	Schell	Owner	4000
2146	Olsen	Owner	6000
2147	Same	Same	10500
2148	Allred	Allred	500
2149	Thomas	Merchant	18000
2150	Varsi	Dal Porto	750
2151	Hildebrand	Inlaid	1500
2152	Schafer	Little	9100
2153	Aronson	National	7700
2154	Coturri	Ferroni	13150
2155	Valente	Nelson	6000

PERMITS

STATION
(2043) NE CALIFORNIA AND ARGUello Blvd. One-story steel (brick) service station.
Owner—Union Oil Co. of California, 247 Mills Bldg., San Francisco.
Plans by Owners.
Day's work. $2000

FRAME FLATS
(2044) SE CABRILLO & SEVENTEENTH Ave. Two-story and basement frame (4) flats.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—None.
Day's work. $9800

FRAME FLATS
(2045) SW SEVENTEENTH AVE & Cabrillo. Two-story and basement frame (4) flats.
Owner—E. A. Janssen, 402 Hearst Bldg., San Francisco.
Architect—None.
Day's work. $9800

ALTERATIONS
(2046) 460 FOURTH ST. Alterations for publishing house.
Owner—Abbott-Brady Print Corp., 460 4th St., San Francisco.
Plans by Contractors.
Contractor—Sandberg & Essemann, 504 4th St., San Francisco. $500

GARAGE
(2047) S GREENWICH 122-4 W Scott. One-story concrete private garage.
Owner — A. Luichesi, 2537 Greenwich St., San Francisco.
Architect—Righetti & Headman, 12 Geary St., San Francisco.
Contractor — J. Martinelli, 1351 Mason St., San Francisco. $950

FLATS
(2048) W NINTH AVE 250 and 275 S Lake. Two two-story and basement frame (2) flat buildings.
Owner—M. P. Sullivan, 201 Caselli Ave., San Francisco.
Designer—T. I. Strand, 614 Broderick St., San Francsico.
Contractor—M. P. Storheim, 201 Caselli Ave., San Francisco. $6000 each

REPAIRS
(2049) NW POST AND PIERCE. Repair fire damage to dwelling.
Owner—F. Lineras, 1631 Pierce St., San Francisco.
Architect—None.
Contractor—H. D. Nichols, 1381 Stevenson St., San Francisco. $500

OFFICES & STORES
(2050) S SUTTER 188 W Powell. Four story and basement reinforced concrete offices and stores.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David Coleman, 110 Sutter St., San Francisco.
Day's work. $50,000

OFICES AND STORES
(2051) S SUTTER 144 W Powell. Four story and basement reinforced concrete office and store building.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David Coleman, 110 Sutter St., San Francisco.
Day's work. $50,000

ALTERATIONS
(2052) N WASHINGTON 125 E Baker. Construct brick fireplace & chimney; install bath; hardwood floors, etc., for dwelling.
Owner—Miss M. Burke, 3065 Jackson St., San Francisco.
Architect—None.
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco. $1200

RESIDENCES
(2053) W EASTWOOD DR 289 & 321 S Wildwood. Two 1-story and basement frame residences.
Owner—Walter E. Hansen, 2235 Market St.
Architect—Ida F. McCain, 318 Kearny Street.
Day's work. $3000 ea.

APARTMENTS
(2054) SW FRANKLIN & IVY. Three story and basement frame (19) apartments.
Owner—O'Brien & Kiernan, 110 Sutter St. (room 912).
Architect—Albert W. Burgren, 110 Sutter St.
Contractor—Kiernan & O'Brien, 180 Jessie St. $35,000

RECORDED

FRAME FLATS
(2055) W FOURTEENTH AVE 149 N Cabrillo N 25xW 127-6. All work for two-story frame (2) flats.
Owner — Foster Keating, 22 Ramona St., San Francisco.
Architect—None.
Contractor—Walter G. Vodden, 730 Cole St., San Francisco.
Filed Sept. 23, '21. Dated Sept. 23, '21.
Contract recorded $1000
Roof on 3625
Ready to lath 3625
Completed 3625
Usual 35 days 3625
TOTAL COST, $15,500
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today

ADDITION, ETC.
(2056) 2417 CALIFORNIA ST. Addition of sun porch for residence.

Owner—C. H. Bossong, premises.
Architect—None.
Day's work. $500

STORE BLDG.
(2057) S EDDY 123.6 W Polk. One-story and basement concrete store.
Owner—Humphrey Estate, Inc., 425 Kearny St.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Day's work. $26,000

REPAIRS
(2058) 1128 FOLSOM ST. Repair fire damage to Chinese laundry.
Owner—Mullen Manufacturing Co., 64-68 Rausch St.
Architect—None.
Day's work. $500

ADDITION, ETC.
(2059) 33 HENRY ST. Addition of 2 rooms and bath for flats.
Owner—Elizabeth Harms, premises.
Architect—None.
Contractor—S. E. Brown, 1434 6th Ave. $2188

ALTERATIONS
(2060) 702 MARKET ST. Alterations for dentist's offices.
Owner—Chas. H. Strub, 702 Market St.
Architect—None.
Contractor—Moller & Sons, 520 Jessie Street. $1500

REMODEL, ETC.
(2061) NE MARKET & JONES STS. Remodel basement and portion of first floor for bank.
Owner—Anglo-California Trust Co., Market and Sansome Sts.
Architect—H. H. Winner Co., Cunard Bldg.
Contractor—Macdonald & Kahn, 130 Montgomery St. $25,000

ALTERATIONS, ETC.
(2062) 2620 VALLEJO ST. Alterations and minor additions for residence.
Owner—Mr. Ebright, 2750 Vallejo St.
Architect—None.
Contractor — Dowsett-Ruhl Co., 77 O'Farrell St. $2500

ALTERATIONS, ETC.
(2063) E 21ST AVE bet. Vicente and Wawona. Alterations and additions for restaurant and cafe.
Owner—J. B. Sartolou, Robert Damenstein & Co., 2084 Mission St.
Architect—H. P. Vollmer, 408 Flood Bldg.
Contractor—Mullen Manufacturing Co., 64 Rausch St. $11,700

RECORDED

THEATRE
(2064) S GEARY 137-6 W Mason W 106xS 137-6. Concrete, excavation, back filling, fireproofing, brick work, terra cotta tile, and metal ladders for basement for Class A theatre building.
Owner—Curran Theatre Co.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—R. J. H. Forbes, Monadnock Bldg., San Francisco.
Filed Sept. 24, '21. Dated Sept. 23, '21.
Excavation done, footings ready to install cast iron bases. $ 5,562.50
Completed and accepted... 11,125.00
Usual 35 days..... 5,562.50
TOTAL COST, 22,250.00
Bond, $22,250. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported August 11, 1921 No. 1668.

RESIDENCE
(2065) N BERNAL AVE 200 E Coso. One-story and basement frame residence.
Owner—Thomas Doyle, 832 Mission St., San Francisco.
Architect—None.
Contractor—Costello Bros., 18 Ney St., San Francisco. $2000

RESIDENCE
(2066) E FIFTEENTH AVE 174 N Cabrillo. Two-story and basement frame residence.
Owner—G. A. Archambault, 401 California St., San Francisco.
Architect—None.
Contractor—J. M. Peters, 1010 Balboa St., San Francisco. $7400

RESIDENCE
(2067) E FAXON AVE 150 N Holloway One-story and basement frame residence.
Owner — Paul Bonetti, 946 Broadway, San Francisco.
Architect—None.
Day's work. $3000

ALTERATIONS
(2068) 580-588 HOWARD. Construct concrete bulkhead and reduce sidewalk width.
Owner—Buckbee, Thorne Co., 151 Sutter St., San Francisco.
Architect—None.
Contractor — Swenson & Franzen, 145 Natoma St., San Francisco. $900

ALTERATIONS
(2069) 807 MISSION. Install side-Walk lights; raise rear sidewalk to grade.
Owner—Wall Estate Co., Care Architect
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Contractor — Waterhouse-Wilcox Co., 523 Market St., San Francisco. $500

ADDITION, ETC.
(2070) 1249 NINTH AVE. Change front of residence and add porch.
Owner—C. P. Christensen, 1260 9th Ave., San Francisco.
Architect—None.
Contractor—G. Heden, 224 Laidley St., San Francisco. $800

ADDITION
(2071) 522 NAPLES. Add one room to dwelling.
Owner—Mrs. Jennie Sweeney, Premises.
Architect—None.
Contractor—John Casty, 180 Jessie St., San Francisco. $865

ALTERATIONS
(2072) 678 THIRD. Raise stores; construct foundation and concrete floor and new fronts.
Owner—J. A. Williamson, 1251 Park Ave., San Francisco.
Architect—None.
Supt. of Constr—J. D. Gilmour, 1953 Howard St., S. F. $2500

REPAIRS
(2073) 1701 TURK. Repair fire damage to residence.
Owner — R. E. Mcgan, Phelan Bldg., San Francisco.
Architect—None.
Contractor—L. Solomon, 1430 Ellis St., San Francisco. $1500

ADDITION
(2074) 444 GROVE. Construct addition to brick storage building.
Owner—Chris. C. Miller, Care Constr. Manager.
Architect—None.
Constr. Mgr.—Edw. Galvin, Room 322, 628 Montgomery St., S. F. $2500

ALTERATIONS
(2075) S GEARY 137-6 W Powell. Construct mezzanine floor in hotel.
Owner—Stewart Estate Co., Stewart Hotel, 353 Geary St., S. F.
Architect—M. V. Politeo, 1301 First National Bk. Bldg., San Francisco.
Contractor—Fink & Schindler, 226 13th St., San Francisco. $1200

RECORDED

HARDWOOD FLOORING
(2076) BUSH near Taylor. All wo for hardwood flooring in apartme house.
Owner—Jas. Welsh, 597 20th Ave., S Francisco.
Architect—None.
Contractor—Inlaid Hardwood Co., 8 Alabama St., San Francisco.
Filed Sept. 26, '21. Dated Sept. 12, '21
Payments every Friday of..... 7
Balance on completion .....
TOTAL COST, $18
Bond, limit, forfeit, none. Plans a specifications, none.

RESIDENCE
(2077) W PARKER AVE 373-4 Euclid Ave N 41xW 120.42. work except sewering, plumbir gas fitting, painting, wood fin tinting, heating, finish hardwa Window shades, and lighting fi tures for one-story and baseme frame residence.
Owner — The Moneta Investment C 233 Pacific Bldg., San Francisco.
Architect—Bernard J. Joseph, C Bldg., San Francisco.
Contractor—James Arnott & Son, 41 20th St., San Francisco.
Filed Sept. 26, '21. Dated Sept. 21,
Concrete foundations done and frame up $1392
Brown coated 1392
Completed and accepted..... 1392
Usual 35 days..... 1392
TOTAL COST, $5570
Bond, none. Limit, 90 days. Forfe $5. Plans and specifications filed.
NOTE:—Permit reported Sept. 1921, No. 1982.

RESIDENCES
(2078) PORTOLA DRIVE & ULLOA S E of Kensington Way being L 18, 20, 22, 24, 31, 33 and 35 E 2989 Metropolia Sub Claremo Court. All work for seven o story and basement frame re dences.
Owner—Julius H. Berghauser, Kearny St., San Francisco.
Architect—Chas. F. Strothoff, 2274 1 St., San Francisco.
Contractor—James Arnott & Son, 41 20th St., San Francisco.
Filed Sept. 26, '21. Dated Sept. 26,
Payments as follows as various groups completed:
Frame up and roof on.....
Brown coated .....
Completed and accepted.....
Usual 35 days.....
TOTAL COST, $27,4
Bond, limit, forfeit, plans and specific tions, none.
NOTE:—Permits reported Sept. 1921, Nos. 1979, 1980, 1981

FRAME BLDG.
(2079) E FAXON AVE 4 S from S li Lot 19 Blk 3166, Westwood Pa N 40 N 81° 15' 52" E 97.281 S 41 81° 50' 59" W 97.675 Ptn Lots and 19 Blk 3166, Westwood Pa All work for one-story frame bld
Owner—Wm. Crawford, 24 Californ St., San Francisco.
Architect—None.
Contractor—G. E. Watson, 1242 6th A San Francisco.
Filed Sept. 26, '21. Dated Sept. 20,
Rough frame up.....$15
Plastered 15
Completed 15
Usual 35 days..... 15
TOTAL COST, $60
Bond, none. Limit, 100 days. Forfe none. Plans and specifications filed.
NOTE:—Permit reported Sept. 1921, No. 1999

ALTERATIONS
(2080) 971 FLORIDA ST. Alteratio for sleeping room and stora space.
Owner—B. McIntire, 971 Florida St.

itect—None.
s work. $500

AGE
1) 41 GRATTAN ST. One-story frame garage.
er—Mrs. V. H. Pease, 41 Grattan St.
itect—None.
ractor—Cobby & Owsley, Williams Bldg. $500

AINING WALL
2) NE HOWARD & 2ND STS. Construct retaining wall.
er—Downey Estate, Fairmount Hotel.
itect—None.
ractor — W. T. Commary, 601 Crocker Bldg. $1000

ITION, ETC.
) 326 PHELAN AVE. Addition of bedroom; construct concrete foundation.
er—Mrs. M. Hanily, 326 Phelan Ave.
itect—None.
s work. $500

ELLING
) E 32ND AVE 75 N Balboa. One-story and basement frame dwelling.
er—F. J. Stanfield, 292 Larch St.
itect—None.
s work. $600

ELLING
) N VALLEJO 150 W Larkin. One-story and basement frame dwelling.
er—Emil Bagnasacco, 1467-A Vallejo St.
itect—Plans by Owner.
ractor—A. Gigli, 1467 Vallejo St. $2500

ERATIONS
) 466 CASTRO (rear). General alterations and repairs to cottage.
er—J. Mueller, 517 Castro St., San Francisco.
itect—None.
ractor—H. P. Maas, 3974 22nd St., an Francisco. $500

RECORDED

BUILDING
) FRONTAGE ON HARRISON f 93-8 a depth of 159-10 to Clara nd frontage of 113-8 on Clara St. Excavating, concrete, steel, reinforcing, roof skylights, fire escapes ement plaster, finish floors, painting, etc., for reinforced concrete uilding for industrial department.
r—The Salvation Army, 115 Valencia St., San Francisco.
itect—Norman R. Coulter, 46 Kearny St., San Francisco.
ractor—Vukicevich & Bagge, 180 essie St., San Francisco.
Sept. 27, '21. Dated Sept. 12, '21.
or between 1st and 5th of each onth and 15th and 20th of each onth 75%
al 35 days..... 25%
TOTAL COST, $47,750
, $24,000. Surety, J. H. McCallum.
, 90 days. Forfeit, none. Plans specifications filed.

) PLUMBING, ROUGHING IN xtures, etc., on above.
ractor—J. J. McLeod, 2146 Golden Gate Ave., San Francisco.
Sept. 27, '21. Dated Sept. 12, '21.
yments same as above.....
TOTAL COST, $4800
, none. Limit, 90 days. Forfeit. Plans and specifications filed.

) STEAM HEATING INSTALLAion on above.
ractor—Gilley Schmidt Co., Inc., 98 Otis St., San Francisco.
Sept. 27, '21. Dated Sept. 12, '21.
yments same as above.....
TOTAL COST, $2964
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

2090) ELECTRICAL WIRING ON above.
Contractor—Pacific Electrical Constr. Co., 1117 Market St., San Francisco.
Filed Sept. 27, '21. Dated Sept. 12, '21.
Payments same as above.....
TOTAL COST, $1750
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

CONCRETE BLDG.
(2091) W MARY 80 N Natoma 23x62-6 All work for one-story and mezzanine gallery concrete building.
Owner—P. H. Bosworth, 55 New Montgomery St., San Francisco.
Architect—August Headman, New Call Bldg., San Francisco.
Contractor—O. E. Carlson, 234 Joost Ave., San Francisco.
Filed Sept. 27, '21. Dated Sept. 26, '21.
Forms up and steel in place...$1125
Concrete poured and forms removed 1125
Completed and accepted..... 1125
Usual 35 days..... 1125
TOTAL COST, $4500
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications, none.

DWELLING
(2092) S ANZA 25 E 27th Ave. One-story and basement frame dwelling.
Owner—Emil B. Johnson, 471 35th Av.
Architect—None.
Day's work. $4950

STORES
(2093) SW CLEMENT and Tenth Ave. One-story reinforced concrete stores.
Owner—Eisenbach Co., Flatiron Bldg.
Architect—A. H. Knoll, Hearst Bldg.
Day's work. $20,000

RESIDENCE
(2094) S CABRILLO 82-6 W 22nd Ave. Two-story and basement frame residence.
Owner—R. Monson, care architect.
Architect—Martin A. Sheldon, 110 Sutter St., City.
Day's work. $4000

ADDITION
(2095) 177 EDDY ST. One-story concrete addition (20x37.6) for kitchen.
Owner—A. Rosenbaum, 241 Front St.
Architect—None.
Contractor—Quinn & Reilly, 752 4th Ave. $3000

RESIDENCE
(2096) W 14TH AVE 202-8 S Balboa. Two-story and basement frame residence.
Owner—Wilson Hall Bennett, 120 Market St.
Architect—None.
Contractor—Lyon & Hoag, 660 Market Street. $10,000

ALTERATIONS, ETC.
(2097) 34 FIRST ST. Alterations on first floor for offices; construct wallboard partitions.
Owner—Paraffine Co., Inc., 34 1st St.
Architect—None.
Day's work. $500

REPLASTERING
(2098) N GROVE 150 E Laguna. Replaster front of flats.
Owner—Frank Robb, 570 Grove St.
Architect—J. S. Bogart, Mills Bldg.
Contractor—Peter Bradley, 180 Jessie Street. $500

RECONSTRUCT, ETC.
(2099) NW HOWARD AND 2ND STS. Construct new columns, beams and slab to bring up retaining wall.
Owner—C. Knickerbocker, 57 Post St.
Architect—Plans by Owner.
Contractor—Barrett & Hilp, Sharon Bldg. $800

CONCRETE WALL
(2100) 570-76 HOWARD ST. Construct concrete wall.
Owner—Jim Black, 1306 Guerrero St.
Architect—None.
Contractor—Adam Arras, 180 Jessie Street. $900

SOCIAL HALL, ETC.
(2101) 834 JONES ST. Build social hall and kitchen in basement of rooming house.
Owner—L. Marsh, 1317 Hyde St., City.
Architect—E. H. Denke, 1317 Hyde St.
Contractor—E. H. Denke, 1317 Hyde St. $1700

REPPAIRS
(2102) 444 LOCUST ST. Repair fire damage to garage.
Owner—M. Righetti, 307 Walnut St.
Architect—P. Righetti, 12 Geary St.
Contractor—Farnocchia & Co., 1814 Powell St. $850

REPAIRS
(2103) 606-608 OAK St. Repair fire damage to flats.
Owner—D. J. Beasley, 604 Oak St.
Architect—None.
Day's work. $500

BAKE OVENS
(2104) S PACIFIC 68 E Larkin. Construct two brick bake ovens.
Owner—H. Dragon Co., care California Market.
Architect—None.
Contractor—J. P. Glaser Co., 2480 Union St. $3000

FLATS
(2105) E TREAT AVE 215 S Precita. Two-story and basement frame (4) flats.
Owner—John C. Schmidt, 1549 Treat Ave.
Architect—None.
Day's work. $3000

RESIDENCES
(2106) E 21ST AVE 25, 50 and 75 S Balboa. Three 2-story and basement frame residences.
Owner—A. V. Anderson, 595 21st Ave.
Architect—Plans by owner.
Day's work. $5850 ea.

SHOP
(2107) NW BRYANT 460 SW Third. One-story frame and corrugated steel shop.
Owner—Standard Metal Products Co., 556 Bryant St., San Francisco.
Architect—None.
Day's work. $4000

RESIDENCES
(2108) E CAPITOL AVE 250 and 275 N Holloway. Two one-story and basement frame residences.
Owner—Oscar Lind, 4345 25th St., San Francisco.
Architect—None.
Day's work. $2000 each

ALTERATIONS
(2109) FIRST AVE. & PARNASSUS. Change partitions; stairs and build additional room for clinic.
Owner—University of California, Bkly.
Architect—None.
Day's work. $500

ALTERATIONS
(2110) E FOURTH 100 S Brannan. Construct pit for sidewalk elevator.
Owner—The John Bollman Co., Prem.
Architect—Weeks & Day, Phelan Bldg. San Francisco.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco. $800

ALTERATIONS
(2111) 49 GEARY. Erect lath and plaster partitions and install Haws

drinking fountains in telegraph office.
Owner—Western Union Telegraph Co., 49 Geary St., San Francisco.
Architect—Owners.
Day's work. $1500

REPAIRS
(2112) 118 LYON. Repair fire damage to residence.
Owner—E. H. Murphy, Premises.
Architect—None.
Contractor—Bovyer & Sons, 2407 California St., San Francisco. $626

ALTERATIONS
(2113) 1242 PACIFIC AVE. Alter — repair apartments.
Owner—H. Hyman, Care S. Rhine, Rm. 256 Russ Bldg., San Francisco.
Architect—None.
Contractor—S. Rhine, 256 Russ Bldg., San Francisco. $750

ALTERATIONS
(2114) 2574 SAN BRUNO AVE. Alter and add for community club house.
Owner—San Bruno Community House, Premises.
Architect—G. A. Lansburgh, 709 Mission St., San Francisco.
Contractor—H. Abrahams, 134 Hale St., San Francisco. $6470

DWELLING
(2115) W THIRTIETH AVE7 275 N Geary. One-story an d basement frame dwelling.
Owner—P. Hantzische, R. I. No. 535, Santa Rosa, Calif.
Architect—None.
Day's work. $500

ALTERATIONS
(2116) SW TWENTY-FIFTH AND Florida. General alterations and repairs for residence.
Owner—R. A. Luce, 1031 Market St., San Francisco.
Architect—None.
Contractor—A. Cook, 1300 Florida St., San Francisco. $4000

RECORDED

ELEC. WIRING
(2117) E CASTRO 100 S 17th S 99-9 E 80 S 75-3 E 68 N 175 E 148. Electric wiring for New Castro Theatre.
Owner—Nasser Bros, 2961 16th St.
Architect—Timothy L. Pflueger, Lick Bldg.
Contractor—M. Flatland as Globe Electric Works, 1957 Mission St.
Filed Sept. 28, '21. Dated Sept. 21, '21
5th of each month.....75%
Usual 35 days 25%
TOTAL COST, $7466
Bond, sureties, forfeit, none; limit, as fast as possible. Plans and specifications filed.

ALTERATIONS, ETC.
(2118) SW TURK & SCOTT NO. 1701 Turk. Alterations and repairing to frame bldg. damaged by fire.
Owner—R. F. Mogan, Phelan Bldg.
Architect—None.
Contractor—L. Salomon, 1430 Ellis St.
Filed Sept. 28, '21. Dated Sept. 26, '21
One-half completed 50%
Completed 25%
Usual 35 days 25%
TOTAL COST, $1653.80
Bond, $850; surety, Maryland Casualty Co.; forfeit, $5; limit, 30 days after Sept. 27, 1921. Plans and specifications filed.
NOTE: — Permit reported Sept. 27, 1921, No. 2073.

4 RESIDENCES
(2119) E 36TH AVE 100 N Geary N 100 x E 120. Four 2-story frame residences.
Owner—P. McHugh.
Architect—None.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St.
Filed Sept. 28, '21. Dated May 20, '21.
Frame up $5600
Brown coated 5600
Completed 5600
Usual 35 days 5600
TOTAL COST, $22,400
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

RESIDENCE
(2120) LOT 9 BLK 3109 Westwood Park. All work for one-story frame residence.
Owner—Hans & wife Esther E. Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Sept. 28, '21. Dated Sept. 22, '21.
Frame up $1500
Brown coated 1500
Completed and accepted..... 1500
Usual 35 days..... 1500
TOTAL COST, $6000
Bond, none. Limit, 90 days after Sept. 16. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2121) LOT 7 BLK 3109, Westwood Park. All work for one-story frame residence.
Owner—Hans & wife Esther E. Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothou, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Sept. 28, '21. Dated Sept. 22, '21.
Frame up $1500
Brown coated 1500
Completed and accepted..... 1500
Usual 35 days..... 1500
TOTAL COST, $6000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2122) LOT 5 BLK 3109, Westwood Park. All work for one-story frame residence.
Owner—Hans & wife Esther E. Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Sept. 28, '21. Dated Sept. 22, '21.
Frame up $1500
Brown coated 1500
Completed and accepted..... 1500
Usual 35 days..... 1500
TOTAL COST, $6000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2123) LOT 3 BLK 3109, Westwood Park. All work for one-story frame residence.
Owner—Hans & wife Esther E. Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Sept. 28, '21. Dated Sept. 22, '21.
Frame up $1500
Brown coated 1500
Completed and accepted..... 1500
Usual 35 days..... 1500
TOTAL COST, $6000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2124) LOT 4 BLK 3136, Westwood Park. All work for one-story frame residence.
Owner—Hans & wife Esther E. Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Sept. 28, '21. Dated Sept. 16, '21
Frame up $137
Brown coated 137
Completed and accepted..... 137
Usual 35 days..... 137
TOTAL COST, $550
Bond, none. Limit, 90 days. Forfei none. Plans and specifications filed.

RESIDENCE
(2125) LOT 2 BLK 3136, Westwoo Park. All work for one-story fram residence.
Owner—Hans & wife Esther E. Nelso 1375 Plymouth Ave., San Francisc
Architect—Chas. F. Strothoff, 2274 15t St., San Francisco.
Contractor — Nelson Bros., 1375 Ply mouth Ave., San Francisco.
Filed Sept. 28, '21. Dated Sept. 16. '2
Frame up $137
Brown coated 137
Completed and accepted..... 137
Usual 35 days..... 137
TOTAL COST, $550
Bond, none. Limit, 90 days. Forfei none. Plans and specifications filed.

RESIDENCE
(2126) LOT 8 BLK 3136, Westwoo Park. All work for one-story fram residence.
Owner—Hans & wife Esther E. Nelso 1375 Plymouth Ave., San Francisc
Architect—Chas. F. Strothoff, 2274 15t St., San Francisco.
Contractor — Nelson Bros., 1375 Ply mouth Ave., San Francisco.
Filed Sept. 28, '21. Dated Sept. 16. '2
Frame up $137
Brown coated 137
Completed and accepted..... 137
Usual 35 days..... 137
TOTAL COST, $550
Bond, none. Limit, 90 days. Forfei none. Plans and specifications filed.

RESIDENCE
(2127) LOT 6 BLK 3136, Westwoo Park. All work for one-story fram residence.
Owner—Hans and wife Ester E. Nelso 1375 Plymouth Ave., San Francisc
Architect—Chas. F. Strothoff, 2274 15t St., San Francisco.
Contractor — Nelson Bros., 1375 Ply mouth Ave., San Francisco.
Filed Sept. 28, '21. Dated Sept. 16. '2
Frame up $137
Brown coated 137
Completed and accepted..... 137
Usual 35 days..... 137
TOTAL COST, $550
Bond, none. Limit, 90 days. Forfei none. Plans and specifications filed.

FRAME COTTAGE
(2128) NE TWENTY-NINTH AVE S 225 NW P St. NE 80-8¼ NW 5 to Pt. S 64-1. All work for on story frame cottage.
Owner—Clara London.
Architect—None.
Contractor—John G. Chase.
Filed Sept. 28, '21. Dated July 28, '2
On signing agreement.....$40
Balance $1100 to be secured by deed of trust.....
TOTAL COST, $15
Bond, none. Limit, 75 days after Aug 3, 1921. Forfeit, none. Plans an specifications filed.

FRAME FLATS
(2129) W ASHBURY 25 and 50 Hayes. Two two-story and basement frame (4) flat buildings.
Owner—Westerly Constr. Co., 181 Liberty St., San Francisco.
Architect—J. W. Ellings, 181 Libert St., San Francisco.
Day's work. $9000 eac

FRAME FLATS
(2130) W ASHBURY 133-4 S Grov Two-story and basement frame (4 flats.
Owner—W. L. Hemminga, 47 Ashbur St., San Francisco.

Architect—None.
Day's work. $12,600

DWELLING
(2131) W CHARTER OAK AVE 175 N Thornton. One-story and basement frame dwelling.
Owner—Mr. Veoigtlander, — Charter Oak Ave., San Francisco.
Architect—None.
Contractor—S. Saari, 411 Goettinger St., San Francisco. $3000

FRAME FLATS
(2132) E FUNSTON AVE — S Lake. Two-story and basement frame (2) flats.
Owner—Dr. J. J. Kingwell, Butler Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $9750

RESIDENCE
(2133) W TWENTIETH AVE 100 S Cabrillo. One-story and basement frame residence.
Owner—Jack Ozaniz.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $3750

GARAGE
(2134) S OCEAN AVE 25 — Lakeside One-story brick public garage.
Owner—Lennie Parker, 2629 Mission St., San Francisco.
Architect—W. S. Cuthbertson, 2265 Market St., San Francisco.
Contractor—Olaf Olsen, 2771 San Jose Ave., San Francisco. $8600

RESIDENCE
(2135) E SIXTH AVE 150 N Judah. Two-story and basement frame residence.
Owner—Samuel Schell, 180 Jessie St., San Francisco.
Architect—None.
Day's work. $5000

RESIDENCE
(2136) PTN. LOT 3 and all Lot 4 Blk 8, St. Francis Wood. Two-story and basement frame residence.
Owner—Mrs. Abbie E. Wilkins, 25 St. Francis Blvd., San Francisco.
Architect—J. Reid Jr., First National Bank Bldg., San Francisco.
Contractor — A. C. Hamerton, 475 Dewey Blvd., San Francisco. $28,000

RESIDENCE
(2137) E THIRTY-THIRD AVE 150 S Lincoln Way. One-story and basement frame residence.
Owner — George V. Freethy, 1030 Church St., San Francisco.
Plans by Owner.
Day's work. $3000

FOUNDATION, ETC.
(2138) E BRANNAN 75 N Seventh. Concrete foundation and repairs for bellows shop.
Owner — C. W. Troyer, 347 Corbett Ave., San Francisco.
Architect—None.
Contractor — A. A. Wesendunk, 1747 Dolores St., San Francisco. $500

ALTERATIONS
(2139) N ELLIS 137-6 W Stockton. Remove lobby and install new gallery entrance in theatre.
Owner — Ackermann & Harris, 281 O'Farrell St., San Francisco.
Architect—Weeks & Day, Phelan Bldg., San Francisco.
Contractor — Macdonald & Kahn, 130 Montgomery St., San Francisco $20,000

RESIDENCES
(2140) W FOURTH AVE 200 and 225 N Kirkham. Two two-story and basement frame residences.
Owner—City Realty Co., 46 Kearny St., San Francisco.
Plans by Owners.
Contractor—Cox Bros., 1375 9th Ave., San Francisco. $4000 each

ALTERATIONS
(2141) NW HOWARD AND TWENTY-fourth. Build partitions for two flats.
Owner—C. Cunferman, 2798 Howard St., San Francisco.
Architect — P. F. DeMartini, 946 Broadway, San Francisco.
Contractor — B. Kessler, 840 Filbert St., San Francisco. $2000

ALTERATIONS
(2142) 808 HAIGHT. Three rooms and bath in flats to be finished; other repairs and alterations.
Owner—Mrs. Mary R. Kelly, Premises
Architect—Phil. Sheridan, Berkeley.
Day's work. $1200

REPAIRS
(2143) 3232 JACKSON. Repair tin gutters and recover roof with asbestos
Owner—C. O. Swanberg, Premises.
Architect—None.
Contractor—L. H. Runge, 583 3rd Ave., San Francisco. $600

FRAME FLATS
(2144) N LYNCH 192 E Hyde. Two-story and basement frame (2) flats
Owner—Louis J. Deibel, 2453 Buchanan St., San Francisco.
Architect—None.
Day's work. $2500

RESIDENCE
(2145) E SIXTH AVE 175 N Judah. Two-story and basement frame residence.
Owner—Samuel Schell, 180 Jessie St., San Francisco.
Architect—None.
Day's work. $4000

RESIDENCES
(2146) S SANTA YNEZ 17-7 and 117-7 W Otsego. Two one-story and basement frame residences.
Owner—Olaf Olsen, 366 Granada Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $3000 each

RESIDENCES
(2147) S SANTA YNEZ 42-7, 67-7 and 92-7 W Otsego. Three one-story and basement frame residences.
Owner—Olaf Olsen, 366 Granada Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $3500 each

ALTERATIONS
(2148) NE WANDA AND ONONDAGA. Construct new stairs; re-arrange partitions; plastering, etc., for residence.
Owner—C. S. Allred, 159 Liberty St., San Francisco.
Architect—None.
Contractor—C. S. Allred, 159 Liberty St., San Francisco. $500

RECORDED

BUILDING
(2149) SE JESSIE 131 SW Ninth SE 70xSW 75. All work for one-story concrete, brick and frame bldg.
Owner—F. Thomas Parisian Dyeing & Cleaning Works, 27 10th St., S. F.
Architect—None.
Contractor—C. T. Merchant, 180 Jessie St., San Francisco.
Filed Sept. 29, '21. Dated Sept. 29, '21.
Foundation in place.....$4500
Brick walls in place..... 4500
Roof on 4500
Usual 35 days..... 4500
TOTAL COST, $18,000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

NOTE—Permit reported Sept. 23, 1921 No. 2030.

ALTERATIONS
(2150) SE CLEMENT AND SEVENTH Ave. All work except paint, electrical fixtures and wiring for remodeling store front.
Owner—Jos. Varsi, 242 10th Ave., S. F.
Architect—None.
Contractor—S. F Dal Porto, 172 6th St., San Francisco.
Filed Sept. 29, '21. Dated Sept. 26, ...
On completion $375
Usual 35 days..... 375
TOTAL COST, $750
Bond, $375. Surety, Jacob Kratt. Limit, 15 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today

FLOORING
(2151) N VALLEJO — E Buchanan. 6000 feet hardwood flooring for apartment house.
Owner—E. H. Hildebrand, 68 Post St., San Francisco.
Architect—None.
Contractor—Inlaid Floor Co., 600 Alabama St., San Francisco.
Filed Sept. 29, '21. Dated Sept. 12, '21.
Accepted $1560
TOTAL COST, $1560
Bond, limit, forfeit, plans and specifications, none.

FLAT BLDG.
(2152) E TWENTY-NINTH AVE 70 N Anza E 82-6xN 30. All work for two-story frame flat building.
Owner—Herman and Adeline Schafer, 2124 Geary St., San Francisco.
Architect—None.
Contractor—John Little, 1035 Lincoln Way, San Francisco.
Filed Sept. 29, '21. Dated Sept. 28, '21.
Frame up $2275
Brown coated 2275
Completed and accepted..... 2275
Usual 35 days..... 2275
TOTAL COST, $9100
Bond, none. Limit, 80 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today.

LATHING, ETC.
(2153) NE NEW MONTGOMERY AND Mission. Metal lathing and furring for exterior walls, suspended ceilings, etc., for Crossley Bldg.
Owner—A. Aronson, Louis Metzger and Louis Schoenberg.
Architect—None.
Contractor—National Lathing Co., Monadnock Bldg., San Francisco.
Filed Sept. 29, '21. Dated Sept. 26, '21.
½ of work completed.....$2887.50
Completed and accepted..... 2887.50
Usual 35 days..... 1925.00
TOTAL COST, $7700.00
Bond, none. Limit, 30 days. Forfeit, plans and specifications, none.

FRAME FLATS
(2154) W BUCHANAN 30 S Lombard S 36xW 110 W A 260. All work except finish hardware, light fixtures and window shades for two-story frame building (4) flats.
Owner—S. Coturri, 3019 Buchanan St., San Francisco.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor — G. Ferroni & Sons, 1926 Filbert St., San Francisco.
Filed Sept. 29, '21. Dated Sept. 28, '21.
Roof on $3287
Brown coated 3287
Completed and accepted..... 3287
Usual 35 days..... 3287
TOTAL COST, $13,150
Bond, none. Limit, 90 days. Forfeit, $10. Plans and specifications filed.
NOTE—Permit also applied for today

DWELLING
(2155) N CHESTNUT 34-6 E Franklin E 28xN 110. All work except paint-

ing, plumbing, electric wiring, glass, glazing, hot air furnace and flues, roofing, finish hardware, light fixtures and window shades for two-story and basement frame dwelling.
Owner—Virgil A. Valente.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Emil Nelson, 715 Fillmore St., San Francisco.
Filed Sept. 29, '21. Dated Sept. 29, '21.
Roof on $1500
Brown coated 1500
Completed and accepted..... 1500
Usual 35 days..... 1500
TOTAL COST. $6000
Bond, none. Limit, 80 days. Forfeit, $5 Plans and specifications filed.
NOTE—Permit also applied for today

SHOP BLDG.
W MARY 40 N Natoma. One-story brick shop building.
Owner—P. H. Bosworth, Sharon Bldg., San Francisco.
Architect—August G. Headman, New Call Bldg., San Francisco.
Contractor—O. E. Carlson, 180 Jessie St., San Francisco. $2000
NOTE:—Recorded contract reported Sept. 28, 1921, No. 2091.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded **Accepted**

Sept. 29, 1921—NE NEW MONTGOMERY & Mission (known as Crossley Bldg.) A Aronson, Louis Metzger and Louis Schoenberg to Clinton Constr Co.....Sept. 27, 1921
Sept. 28, 1921—E TWENTY-FIRST Ave 459 S Balboa S 25xE 120. Harold J and Jessie A Ladd to whom it may concern..Sept. 27, 1921
Sept. 28, 1921—E GLOVER 100 S 18th 25x100. August Magnuson to whom it may concern..Sept. 28, 1921
Sept. 28, 1921—W TWENTY-SECOND Ave 300 S Anza S 25x120. L S Hammond to whom it may concern .....Sept. 28, 1921
Sept. 28, 1921—LOTS 27 AND 32 BLK "H," Mission Street Land Co to Homestead Realty Co..Sept. 28, 1921
Sept. 26, 1921—W NINETEENTH AV 33-4 N Ulloa N 33-4x120. Parkside Realty Co to whom it may concern.....Sept. 26, 1921
Sept. 26, 1921—NO. 14 PRESIDIO Terrace Lot 14. Wm F Jacobs to J S Malloch.....Sept. 23, 1921
Sept. 26, 1921—SE FREMONT AND Folsom E 70xS 68-6. Edward M O'Donnell to Monson Bros..... .....Sept. 20, 1921
Sept. 24, 1921—S CAMINO DEL MAR 82-6 E 26th Ave E 25 x S 100. B. E. Lasky to whom it may concern. .....Sept. 24, 1921
Sept. 23, 1921—N BALBOA 35 E 15th Ave 28-9x95. Emil Nelson to whom it may concern.....Sept. 23, 1921
Sept. 23, 1921—NW BRYANT 240-4 SW 2nd SW 50-4xNW 80. Adam Arras to whom it may concern... .....Sept. 23, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded **Amount**

Sept. 24, 1921—N GEARY 61 W 44th Ave W 25 x N 40. Thomas Carroll vs May P. Steil and A. G. Sutro. $258.45

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Sept. 28, 1921—S BUSH 165 W Pierce W 20xS 75. Alice M Swan and Inez A Noble as to improvements on property .....
Sept. 28, 1921—N ELLIS 137-6 W Stockton W 90xN 137-6. Louis R Lurie as to improvements on property .....
Sept. 28, 1921—N ELLIS 137-6 W Stockton W 90xN 137-6. Madison Realty Co as to improvements on property .....
Sept. 26, 1921—S MOULTON 80 W Fillmore W 28-9xS 60. Augustus Regoli and Frank De Belli as to improvements on property.....
Sept. 24, 1921—SW 12TH ST 100 SE Stevenson SE 100 x SW 150.11. David R. and Julius Eisenbach to Geo. L. Riccomi.....

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
3263	Parr	Owner	5000
3264	Brazier	Owner	2500
3265	Brazier	Owner	2500
3266	Wilson	Owner	4000
3267	Nordstrom	Owner	5000
3268	Marques	Owner	2250
3269	Title Ins.	Muller	65000
3270	Auto Service	Daval	500
3271	Harrison	Peterson	700
3272	Cook	Owner	1500
3273	Francis	Owner	2500
3274	North	Blanchamp	450
3275	Swift	Swift	1100
3276	Shaw	Christensen	2500
3277	Standard Oil	Owner	4000
3278	City	Maurice	70000
3279	Wade	Rankin	3000
3280	Sellman	Owner	4000
3281	Hays	Yule	3500
3282	Au	Owner	1000
3283	Haler	Owner	500
3284	Rose	Owner	1000
3285	City of Okd.	Schnebly	1996
3286	Robinson	Pfaff	1000
3287	Smith	Owner	550
3288	Staton	Wright	2000
3289	Johnson	Johnson	2750
3290	Fosen	Sommarstrom	19000
3291	S. F. Imp	Owner	12000
3292	Young	Culbertson	400
3293	Bedsanl	Owner	400
3294	Bangle	Kennedy	11000
3295	Allyn	Owner	600
3296	Johns	Owner	500
3297	Nilson	Owner	2500
3298	Mills	Gray	655
3299	Mullen	Owner	10000
3300	Narbett	Owner	1700
3301	Trinity	Knight	1250
3302	Macdonald	Owner	500
3303	Pfrang	Owner	5000
3304	Kanfrie	McWethy	5000
3305	Remsen	Bullock	3000
3306	Carlson	Owner	4800
3307	Matson	Owner	3000
3308	Pittock	Owner	2500
3309	Sorenson	Owner	7284
3310	Woolsey	Bernhardt	1500
3311	Conva	Picancu	1000
3312	Hillen	Owner	3500
3313	Hillen	Owner	3500
3314	Rollins	Owner	2500
3315	Legault	Legault	8500
3316	Cartright	Owner	1800
3317	Morse	Burks	3500
3318	Elliott	Owner	400
3319	Rollins	Owner	3500
3320	Meyer	Clayton	1800
3321	Scrivani	Owner	12000
3322	Tomlinson	Dolan	3500
3323	MacLeod	Owner	2000
3324	Woodburn	Owner	4000
3325	Cunningham	Fennelly	3600
3326	Woodward	Owner	5000
3327	Kaelin	Nichols	3900
3328	Brasch	Owner	5600
3329	Hale	Owner	3000
3330	Reinhardt	Mason	10000
3331	Bischoff	Owner	15000
3332	Stone	Cederborg	7000
3333	Halfield	Porter	500
3334	Lawrence	Pinkerton	400
3335	Welnlie	Owner	4000
3336	Thomas	Owner	2000
3337	Delaney	Owner	6000
3338	Durst	Shrader	1200
3339	Gish	Malley	800
3340	Davis	Lee	472
3341	Casper	Simmonds	6000
3342	Durney	Lee	445
3343	Conneau	Bell	3000
3344	Kellette	Owner	450
3345	Picetti	Santos	4000
3346	Parsons	Francis	3000
3347	Bechtle	Owner	4200
3348	Ventura	Christensen	1500
3349	Massoni	Holland	500
3350	Wood	Gedge	6000
3351	Swanson	Owner	1000
3352	Johnson	Owner	2000
3353	Jensen	Owner	4000
3354	Coffin	Rule	1250
3355	Wallace	Johnson	2900
3356	Anyuree	Burrows	2000
3357	Arnett	Owner	550
3358	Kiel	Peterson	15000
3359	Martin	Forbes	5615
3360	Passett	Forsyth	2000
3361	Gambel	Hendrickson	3525
3362	Fish	Nattison	727
3363	Goranson	Owner	7500
3364	Vallente	Owner	5500
3365	Schmidt	Burrell	3900
3366	Carley	Van Ness	3000
3367	Young	Hughes	2400
3368	Capwell	Knowles	190000

PERMITS

DWELLING
(3263) 856 ARLINGTON, Berkkeley. Two-story 9-room dwelling.
Owner—S. C. Parr, 956 Shattuck, Berkeley.
Architect—None.
Day's work. $5000

DWELLING
(3264) S BLAKE 177 E. Grove.
One-story 5-room dwelling.
Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(3265) S LINCOLN 166 W McGee, Berkeley. One-story 5-room dwelling.
Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(3266) W CONTRA COSTA 1000 N Solano, Berkeley. One-story 5-room dwelling.
Owner—Leslie R. Wilson, 2216 Blake St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(3267) E EMERALD 406 N 41st, Oakland. One-story 8-room duplex dwelling.
Owner—Mrs. Gerda Nordstrom, 462 41st St., Oakland.
Architect—None.
Day's work. $5000

DWELING
(3268) E EIGHTY-SEVENTH AVE 225 S A St., Oakland. One-story 6-room dwelling.
Owner — Tony Marques, 8804 B St., Oakland.
Architect—None.
Day's work. $2250

STORES AND OFFIES
(3269) SW FIFTEENTH & FRANKlin, Oakland. Three-story reinforced concrete store and office building.
Owner — Oakland Title Insurance & Abstract Co.
Architect—M. I. Diggs, Easton Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland. $65,000

SHED
(3270) W HARRISON 300 N 14th St., Oakland. One-story tile shed.

Owner—Auto Service Station.
Architect—None.
Contractor—Oliver Duval & Son, Delziel Bldg., Oakland. $500

ADDITION
(3271) 4002 PATTERSON AVE., Oakland. Addition.
Owner—David J. Harrison.
Architect—None.
Contractor—Otto H. Peterson, 1576 Hopkins St., Oakland. $700

ADDITION
(3272) 5454 ROBERTS AVE., Oakland. Addition.
Owner—C. D. Cook.
Architect—None.
Day's work. $1500

DWELLING
(3273) W SEVENTY-THIRD AVE 57 S Lockwood, Oakland. One-story 4-room dwelling.
Owner—E. O. Francis, 3940 E-14th St., Oakland.
Architect—None.
Day's work. $2500

ADDITION
(3274) 3356 SIXTY-SIXTH AVE., Oakland. Addition.
Owner—Edward North.
Architect—None.
Contractor—T. Blanchamp. $150

FLATS
(3275) E SHAFTER AVE 80 S Frost St., Oakland. Two-story 12-room flats.
Owner—Agnes R. Swift, Kittridge Apts., Berkeley.
Architect—None.
Contractor—J. W. Swift. $11,000

ALTERATIONS
(3276) NW COR 21ST & BROADWAY, Berkeley. Alterations.
Owner—W. M. Shaw.
Architect—None.
Contractor—H. J. Christenson, 602 Federal Bldg, Oakland. $2500

SERVICE STATION
(3277) SE COR 20TH & FRANKLIN Sts., Oakland. One-story steel service station.
Owner—Standard Oil Co., 200 Bush St., San Francisco.
Architect—None.
Day's work. $4000

SCHOOL
(3278) N CLIFTON ST 500 E Broadway, Oakland. Two-story 10-room school.
Owner—City of Oakland.
Architect—None.
Contractor—F. W. Maurice, 1362 E. 25th St., Oakland. $70,000

ALTERATIONS
(3279) 108 HAMILTON PL, Oakland. Alterations to dwelling.
Owner—Dorothy N. Wade, Richmond, Cal.
Architect—None.
Contractor S. G. Rankin 712 Haddon Rd., Oakland. $3000

DWELLING
(3280) E 55TH AVE 150 N Laverra, Oakland. One-story 6-room dwelling.
Owner—C. G. Sellman, Carson City, Nevada.
Architect—None.
Day's work. $4000

DWELLING
(3281) S MORAGA AVE 300 E 64th St., Oakland. One-story 5-room dwelling.
Owner—E. S. Hays, 103 Tunnel Ave., Richmond.
Architect—None.
Contractor—Paul Yule, Kentfield, Cal. $3500

DWELLING
(3282) S MOUNTAIN BLVD, Leona Heights, Oakland. One-story 3-room dwelling.
Owner—Robert Au, 742 34th St., Oakland.
Architect—None.
Days' work. $1000

GARAGE
(3283) 750 RAND AV. Garage
Owner—H. W. Haler, 559 16th St., Oakland.
Architect—None.
Day's work. $500

DWELLING
(3284) E 72ND AVE bet. Trenor and Diana, Oakland. One-story 4-room dwelling.
Owner—C. A. Rose, 128 6th St., Oakland.
Architect—None.
Day's work. $1000

ALTERATIONS
(3285) ENGINE HOUSE No. 15 on 25th St., Oakland. Alterations.
Owner—City of Oakland.
Architect—None.
Contractor—Schnelby & Hostrawser, 6th and Jackson Sts., Oakland. $1936

PERMITS

ADDITION
(3286) 1800 CEDAR ST., Berkeley. Addition.
Owner—Mrs. E. P. Robinson, Premises.
Architect—None.
Contractor—Fred Pfaff, 1625 Grant St., Berkeley. $1000

ALTERATIONS
(3287) 2229 DERBY ST., Berkeley. Alterations.
Owner—C. D. Smith, Premises.
Architect—None.
Day's work. $500

ALTERATIONS
(3288) 2731 DWIGHT WAY, Berkeley. Alter dwelling.
Owner—C. Louis Stanton, Premises.
Architect—None.
Contractor—Curtis Wright, 2435 Haste St., Berkeley. $2000

DWELLING
(3289) NW PARKER AND CALIFORNIA, Berkeley. One-story 5-room dwelling.
Owner—E. Johnson, 223 Greenbank Ave., Oakland.
Architect—None.
Contractor—L. Johnson & Son, 223 Greenbank Ave., Oakland. $2750

APARTMENTS
(3290) W BELLEVUE 125 N Grand, Oakland. Three-story 24-room apartments.
Owner—John J. Fosen, 309 E. 16th St., Oakland.
Architect—Clay N. Burrell, 1st Sav. Bank Bldg., Oakland.
Contractor Axel Sommarstrom, 109 Sunnyside Ave., Piedmont. $19,000

APARTMENTS
(3291) SE COR BRYANT ST & MANILA Ave., Oakland. Two-story 16-room apartments.
Owner—S. F. Improvement Co., 4224 Broadway, Oakland.
Architect—None.
Day's work. $12,000

GARAGE
(3292) NE COR CONGRESS & YGNACIO, Oakland. Garage.
Owner—A. E. Young.
Architect—None.
Contractor—D. E. Culbertson, 1222 93d Ave., Oakland. $400

ADDITION
(3293) W 50TH AVE 40 N Melrose, Oakland. Addition.
Owner—J. W. Bedsanl.
Architect—None.
Day's work. $400

BRICK STORES
(3294) NE COR HOBART & WEBster, Oakland. One-story brick stores.
Owner—Geo. E. Bangle, 447 Lee St., Oakland.
Architect—None.
Contractor—F. T. Kennedy, 434 9th St., Oakland. $11,000

ADDITION
(3295) 316 LENOX AVE., Oakland. Addition.
Owner—Hettie R. E. Allyn, Premises.
Architect—None.
Contractor—B. C. Allyn. $600

ADDITION
(3296) 3724 MAYBELLE AVE., Oakland. Addition.
Owner—David Johns.
Architect—None.
Day's work. $500

DWELLING
(3297) N MAJESTIC AVE 450 W 62nd Ave., Oakland. One-story 4-room dwelling.
Owner—N. B. Nilsen, 1611 51st Ave., Oakland.
Architect—None.
Day's work. $2500

GARAGE
(3298) 370 ORANGE AVE., Oakland. One-story concrete garage.
Owner—C. R. Mills.
Architect—None.
Contractor—K. E. Gray & Son, El Cerrito, Cal. $655

GARAGE
(3299) W PARK BLVD 80 N E-18th, Oakland. One-story concrete garage.
Owner—T. H. Mullen, 265 9th St., Okd.
Architect—None.
Day's work. $10,000

GARAGE
(3300) S STATEN 122 W Bellevue, Oakland. One-story concrete garage.
Owner—J. T. Narbett, Easton Bldg., Oakland.
Architect—Owner.
Day's work. $1700

RESHINGLE
(3301) SW TWENTY-NINTH AND Telegraph, Oakland. Reshingle.
Owner—Trinity Parish.
Architect—None.
Contractor—H. C. Knight. $1250

ALTERATIONS
(3302) SE THIRTY-EIGHTH AND Penniman Ave., Oakland. Alterations.
Owner—Geo. Macdonald.
Architect—None.
Day's work. $500

DWELLING
(3303) S TAFT AVE 120 W Mendocino, Oakland. One-story 6-room dwelling.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—None.
Days work. $5000

DWELLING
(3304) N WALA VISTA AVE 280 N Arimo, Oakland. One-story six-room dwelling.
Owner—Bruno Kanfrie, 1 Drum St., San Francisco.
Architect—None.
Contractor— McWethy & Greenleaf, Albany Bldg., Oakland. $5000

RECORDED

DWELLING
(3305) LOTS 219 AND 221 Sheet No. 2 Map Terminal Junction Tract,

Albany. All work for one-story dwelling.
Owner—Herbert Remsen, Oakland.
Architect—None.
Contractor—O. M. Bullock, 510 18th St., Oakland.
Filed Sept. 26, '21. Dated Sept. 23, '21.
Frame up ..... ¼
Plastered ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $3000
Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

DWELLING
N LONGRIDGE ROAD 450 E Lakeshore, Oakland. Two-story nine-room dwelling.
Owner—F. W. Harris.
Architect—Schirmer Bugbee Company, Thayer Bldg., Oakland.
Contractor—F. J. Westlund, 351 12th St., Oakland. $11,787
NOTE:—Recorded contract reported Sept. 22, 1921, No. 3250.

DWELLING, ETC.
(3306) S AMADOR 350 W Shattuck, Berkeley. One-story 6-room dwelling and garage.
Owner—C. E. Carlson, 2919 Benvenue Ave., Berkeley.
Architect—None.
Day's work. $4800

DWELLING
(3307) N CHAUCER 212 W Curtis, Berkeley. One-story 6-room dwelling.
Owner—John Matson, 1705 Curtis St., Berkeley.
Architect—None.
Day's work. $3000

ADDITION
(3308) 1224 EUCLID, Berkeley. One-story 3-room addition.
Owner—Geo. S. Pittock, 1244 Euclid, Berkeley.
Architect—None.
Day's work. $2500

FLATS
(3309) NE COR REGENT & ASHBY, Berkeley. Two-story 8-room flats.
Owner—Walter Sorensen, 3219 Ellis St., Berkeley.
Architect—None
Day's work. $7284

STUDIO
(3310) 2168 SHATTUCK AVE., Berkeley. One-story studio.
Owner—W. E. Woolsey, Berkeley.
Architect—None.
Contractor—G. L. Bernhardt, Berkeley. $1500

ALTERATIONS
(3311) 8804 B ST., Oakland. Alterations.
Owner—John R. Canva.
Architect—None.
Contractor—Joe Picancu, 1602 92nd Ave., Oakland. $1000

DWELLING
(3312) W COLE ST 283 N Ygnacio, Oakland. One-story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(3313) N FOOTHILL BLVD 62 W 51st Ave., Oakland. One - story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(3314) E 81ST AVE 125 S E-14th St., Oakland. One-story 4-room dwelling.
Owner—E. E. Rollins.
Architect—None.
Day's work. $2500

ADDITION, ETC.
(3315) 509-11 41ST ST, Oakland. Alterations and addition to apts.
Owner—J. W. Legault, M. D., 809 Lerida Ave., Oakland.
Architect—None.
Contractor—Oliver Legault, 3004 Market St., Oakland. $8500

DWELLING
(3316) N 50TH ST 85 W Manila Ave, Oakland. One-story 4-room dwelling.
Owner—Annie Courtright, 345 51st St., Oakland.
Architect—None.
Contractor—Tom Courtright. $1800

DWELLING
(3317) S FLEMING AVE 350 W Seminary, Oakland. One-story 4-room dwelling.
Owner—F. T. Morse.
Architect—None.
Contractor—C. E. Burks, 4129 Randolph Ave., Oakland. $3500

GARAGE
(3318) E HARRINGTON AVE 120 N Foothill Blvd., Oakland. Garage.
Owner—A. E. Elliott, 1726 Bridge Ave., Oakland.
Architect—None.
Day's work. $400

DWELLING
(3319) N HALLADAY 250 E 73rd Ave., Oakland. One-story 5-room dwelling.
Owner—E. E. Rollins, 357 Athol Ave., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(3320) N HALLADAY 150 E 73rd Ave., Oakland. One-story 4-room dwelling.
Owner—Louis Meyer, 73rd Ave. and Halladay, Oakland.
Architect—None.
Contractor—J. W. Clayton, 1909 73rd Ave., Oakland. $1800

FLATS
(3321) N LAKESHORE AVE 116 E Rand Ave., Oakland. Two-story 11-room flats.
Owner—Geo. Scrivani, 216 Franklin St., Oakland.
Architect—None.
Day's work. $12,000

DWELLING
(3322) E PARK BLVD 55 N Everett, Oakland. One-story 5-room dwelling.
Owner—C. L. Temlinson, 1811 Fruitvale Ave., Oakland.
Architect—None.
Contractor—Leo J. Dolan, Syndicate Bldg., Oakland. $3500

DWELLING
(3323) SE VALE & PORTER, Oakland. One-story 3-room dwelling.
Owner—G. W. MacLeod, 2116 Myrtle St., Oakland.
Architect—None.
Day's work. $2000

DWELLING
(3324) N WELDON ST 300 W Lakeshore, Oakland One-story 6-room dwelling.
Owner—F. L. Woodburn, 185 Parkside Dr., Piedmont.
Architect—None.
Day's work. $4000

DWELLING
(3325) N PRINCETON 50 W Cole, Oakland. One-story 5-room dwelling.
Owner—P. D. Cunningham, 2902 E. 22nd St., Oakland.
Architect—None.
Contractor—J. D. Fennelly, 2910 E 22nd St., Oakland. $3600

E Franklin 720 N 14th St., Oakland. Two-story reinforced concrete loft building.
Owner—Dr. W. H. Wakefield, Easton Bldg., Oakland.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—W. G. McGinty & Sons, 2506 Kieth Ave., Berkeley. $42,856
NOTE:—Recorded contract reported Sept. 23, 1921, No. 3262.

DWELLING
(3326) GRAND AVE & CAMBRIDGE Way Piedmont. Two-story frame dwelling and garage.
Owner—E. W. Woodward, 535 Merritt Ave., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(3327) OAKLAND & GRAND AVES., Piedmont. One and one-half-story frame dwelling and garage.
Owner — J. R. Kaelin, 1933 5th Ave., Oakland.
Architect—None.
Contractor—L. L. Nichols, Oakland. $3900

DWELLING
(3328) PALA AVE., Piedmont. Two-story frame dwelling.
Owner—M. P. Brasch, 2734 Ashby Ave., Berkeley.
Architect—None.
Day's work. $5600

DWELLING
(3329) 706 ALAMEDA AVE., Berkeley Two-story 6-room dwelling.
Owner—G. W. Hale, 1273 Euclid Ave., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(3330) N AVALON AVE 140 W Oak Knoll, Berkeley. Two-story nine-room dwelling.
Owner—H. Reinhardt.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley. $10,000

APARTMENTS
(3331) W COLLEGE AVE Cor. Russell St., Berkeley. Two-story 16-room apartments and stores.
Owner—John A. Bischoff, 2717 Russell St., Berkeley.
Architect—None.
Day's work. $15,000

DWELLING
(3332) 198 HILLCREST ROAD, Berkeley. Two-story 7-room dwelling
Owner—Charles R. Stone.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Berkeley.
Contractor—A. Cederborg, 1445 E-37th St., Oakland. $7000

GARAGE
(3333) 2633 LE CONTE AVE., Berkeley. Garage.
Owner—H. H. Halfield, Premises.
Architect—None.
Contractor—H. H. Porter, 2616 Cedar St., Berkeley. $500

ALTERATIONS
(3334) 1841 MARIN AVE., Berkeley. Alterations.
Owner—Lawrence, Premises.
Architect—None.
Contractor — J. A. Pinkerton, 1931 Berryman St., Berkeley. $400

DWELLING
(3335) N TACOMA 173 E Colusa, Berkelye. Two-story 7-room dwelling.

ner—Blanch Weinlie, 1016 Ramona Ave., Berkeley.
hitect—None.
tractor—W. H. Weinlie, 1016 Ramona Ave., Berkeley. $4000

ELLING
6) W WALLACE 210 N Oregon, Berkeley. One-story 4-room dwlg.
ner — Emma Thomas, 2118 E-12th St., Oakland.
hitect—None.
tractor—E. D. Thomas, 3141 West St., Oakland. $2000

ELLING
7) 2159 CENTRAL AVE., Alameda One-story 6-room dwelling.
er—J. L. Delanoy, Premises.
itect—A. W. Smith, 1010 Broadway, Oakland.
s work. $6000

ERATIONS
3) 1715 CENTRAL AVE., Alameda Alterations.
er—Mrs. Durst.
itect—None.
ractor—J. F. Shrader, 520 10th St., Oakland. $1200

ERATIONS
) 530 CENTRAL AVE., Alameda. Alterations.
er—Geo. Gish.
itect—None.
ractor—F. T. Malley, 900 Lakeshore Ave., Oakland. $800

AGE
) 1410 CENTRAL AVE., Alameda Garage.
er—M. E. Davis, Premises.
itect—None.
ractor—S. Lee, 1832 San Antonio Ave., Alameda. $472

LLING
) 3751 FERNSIDE BLVD., Alameda. One and one-half-story 6-oom dwelling.
r—W. E. Casper, 1816 High St., lameda.
tect—None.
actor—L. E. Simmonds, 2819 Monna St., Oakland. $6000

AIRS
810 GRANT ST., Alameda. Reairs.
r—H. Durney, Premises.
tect—None.
actor—S. Lee, 1832 San Antonio ve., Alameda. $445

RATIONS
SW LINCOLN AND PARK, lameda. Alterations.
—W. A. Conneau.
ect—None.
ctor—W. D. Bell, 1523 Curtis St., keley.

RATIONS
1604 SANTA CLARA AVE., Alaeda. Alterations.
—W. S. Kellette, Premises.
ect—None.
work. $450

LING
S WILLOW near Chestnut St., ameda. One-story 4-room dwlg.
—Louis Picetti, 2017 Lincoln ve., Alameda.
ect—Paul M. Martini, 2123 Powell , San Francisco.
ctor—L. Santos, 2212 E-17th St., kland. $1000

LING
N BOND ST 50 E 45th Ave., kland. One-story 5-room dwelg.
—Harry Parsons, 68th Ave. and ora St., Oakland.
ect—None.
ctor—E. O. Francis, 3940 E. 14th , Oakland. $3000

DWELLING
(3347) S EXCELSIOR AVE 80 E Hopkins, Oakland. One-story 6-room dwelling.
Owner—Max Bechtle, 652 Apgar St., Oakland.
Architect—None.
Day's work. $4200

PUMP HOUSE, ETC.
(3348) 1ST & LINDEN STS., Oakland. Pump house, shed and alterations.
Owner—Ventura Refining Co.
Architect—None.
Contractor—H. J. Christensen, Federal Bldg., Oakland. $1500

ALTERATIONS
(3349) 5539 GROVE ST., Oakland. Alterations.
Owner—P. Massoni.
Architect—None.
Contractor—W. J. Holland, 758 56th St., Oakland. $500

DWELLING
(3350) S GOLDEN GATE AVE. 405 E. Cross Road, Oakland. Two-story 7-room dwelling.
Owner—C. A. Wood, 151 12th St., Oakland.
Architect—None.
Contractor—V. R. Gedge, 5363 Locksley Ave., Oakland. $6000

WHARF PLATFORM
(3351) FT. 19TH AVE., Oakland. Wharf platform.
Owner—P. Swanson, Premises.
Architect—None.
Day's work. $1000

DWELLING
(3352) E 104TH AVE 300 N Birch St., Oakland. One-story 5-room dwelling.
Owner—D. Johnson, 406 39th Ave., San Francisco.
Architect—None.
Day's work. $2000

DWELLING
(3353) W 106TH AVE 75 S Pontiac, Oakland. One-story 6-room dwelling.
Owner—A. T. Jensen, 10415 Royal Ann, Oakland.
Architect—None.
Day's work. $4000

ALTERATIONS
(3354) 255 PERRY ST., Oakland. Alterations.
Owner—A. F. Coffin.
Architect—None.
Contractor—J. W. Rule. $1250

DWELLING
(3355) W 69TH AVE 450 N Flora, Oakland. One-story 5-room dwelling.
Owner—Dr. Lew Wallace, San Francisco.
Architect—None.
Contractor — Frank Johnson, 1932 Chestnut St., Oakland. $2900

DWELLING
(3356) E 71ST AVE 200 S Hamilton, Oakland. One-story 4-room dwelling.
Owner—J. Aryuree, 5328 E. 14th St., Oakland.
Architect—None.
Contractor—J. H. Burrows, 873 69th Ave., Oakland. $2000

DWELLING
(3357) W WHITTLE AVE, Fruitvale Ext., Oakland. One-story 4-room dwelling.
Owner—Val Arnett, 4004 Fruitvale Ave., Oakland
Architect—None.
Day's work. $550

RECORDED

(3358) N LAKE PARK 50 W Rand being Lot 122 Map Piedmont-by-the-Lake, Oakland. All work for two-story frame apartments.
Owner—A. W. Kiel, 730 Lakeshore Ave., Oakland.
Architect—W. E. Schirmer, Thayer Bldg., Oakland.
Contractor — Alfred Peterson, 3918 Lindwood Ave., Oakland.
Filed Sept. 28, '21. Dated Sept. 27, '21.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $15,000
Bond, $15,000. Surety, Globe Indemnity Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported July 20, 1921 No. 2441.

DWELLING
(3359) LOTS 42 TO 47 MAP POPLAR Tract, Eden Tp. Two-story frame dwelling.
Owner—Dr. Ann Martin, 2251 Telegraph Ave., Oakland.
Architect—Kenneth MacDonald, 234 Pine St., San Francisco.
Contractor—Richard J. H. Forbes, Monadnock Bldg., San Francisco.
Filed Sept. 28, '21. Dated Sept. 15, '21.
Foundations ½ completed.....$1500
Foundations completed 1500
Completed and accepted 1211
Usual 35 days 1404
TOTAL COST, $5615
Bond, $2807.50; surety, New Amsterdam Casualty Co.; forfeit, $10 day; limit, as fast as possible. Plans and specifications filed.

DWELLING
(3360) S JONES 91 W 6th St. One-story 4-room dwelling.
Owner—Clara and Aug. Passet, 814 Jones St., Berkeley.
Architect—None.
Contractor—E. Forsyth, 839 Bancroft Way, Berkeley. $2000

DWELLING, ETC.
(3361) W GROVE 86 S Rose, Berkeley. One-story 6-room dwelling and garage.
Owner—Shadric and G. Gambel.
Architect—None.
Contractor—A. Hendrickson, 755 60th St., Oakland. $3525

ADDITION
(3362) 2600 HILLEGASS, Berkeley. Addition.
Owner—H. H. Fish, Premises.
Architect—None.
Contractor—J. Nattinson, 925 The Alameda, Berkeley. $727

DWELLING
(3363) S CALMAR AVE 50 S Paloma Oakland. Two-story 9-room dwelling.
Owner—H. Geranson, 3476 Laguna Ave., Oakland.
Architect—None.
Day's work. $7500

DWELLING, ETC.
(3364) SE COR 42ND & GROVE STS. Oakland. Two-story 5-room dwelling and store.
Owner—Valente & Passaimo, 251 12th St., Oakland.
Architect—None.
Day's work. $5500

DWELLING
(3365) E KINGSLAND AVE 100 N Brookdale, Oakland. One-story 6-room dwelling.
Owner—Mrs. E. S. Schmidt, 5529 Thomas St., Oakland.
Architect—Max N. Burrell, 1st Savings Bank Bldg., Oakland
Day's work. $3900

DWELLING
(3366) W MIDVALE AVE 100 N Hopkins, Oakland. One-story 5-room dwelling.

Owner—W. L. Carley, 3500 Hopkins St., Oakland.
Architect—None.
Contractor—L. E. Van Ness, Box 433, R. F. D. No. 1. $3000

DWELLING
(3367) N MONADNOCK WAY 60 W 62nd Ave., Oakland. One-story 5-room dwelling.
Owner—A. A. Young, 3100 64th Ave., Oakland.
Architect—None.
Contractor—C. E Hughes, 3115 64th Ave., Oakland. $2400

RECORDED

STORE BLDG.
(3368) E BROADWAY 124 N 15th St. E 150 N 75.8, Oakland. Three-story reinforced concrete store building.
Owner—H. C. Capwell Co., 14th and Clay Sts., Oakland.
Architect — Wm. Knowles, Central Bank Bldg., Oakland.
Contractor—Wm. Knowles, Central Bank Bldg., Oakland.
Filed Sept. 29, '21. Dated Sept. 29, '21. Concrete frame completed....$45,000
plastered 45,000
Completed and accepted..... 52,500
Usual 35 days 47,500
TOTAL COST, $190,000
Bond, $95,000; surety, Hartford Accident and Indemnity Co.; bonus, $100; forfeit, $100; limit, 200 days. Plans and specifications filed
NOTE:—Permit reported Sept. 21, 192'. No. 3225.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Sept. 28, 1921—76 OAK VALE AVE., Berkeley. R. C. Wilcox to whom it may concern.....Sept. 27, 1921
Sept. 29, 1921—LOT 96 NOVA PIEDmont Tract, Piedmont. S. E. Jackson to F. W. Maurice..Sept. 20, 1921
Sept. 29, 1921—S ARLINGTON AVE 373.44 W Adeline St W 40 S 107.2, Oakland. Benjamin Blywise to O M Bullock .....Sept. 27, 1921
Sept. 29, 1921—LOT 11 BLK 21 MAP Blocks 20, 21, 22, 23 and 24, Thousand Oaks, Oakland Tp. Walter H. Fenner to whom it may concern .....Aug. 31, 1921
Sept. 28, 1921—W 40 LOT 6 BLK 1, Map Thousand Oaks Station Tract, Oakland Tp. A H Pallen to whom it may concern.....Sept. 27, 1921
Sept. 28, 1921—NO. 1268 E-THIRTY-fourth St., Oakland. J M Cohen to J G Kennedy.....Sept. 17, 1921
Sept. 27, 1921 SE THIRTY-FIFTH Ave 315 NE E-18th SW 45xSE 100, Okd. Sidney A Watz to G W Steffen.....Sept. 27, 1921
Ave, Berkeley. R C Wilcox to whom it may concern...Sept. 27, 1921
Sept 27, 1921—N ALLENDALE 157 W High being No. 4122, Oakland. C J Seemann to James L Rich.....
.....Sept. 26, 1921
Sept. 27, 1921—LOT 10 BLK 9, Map Broadmoor, San Leandro. Merle Joseph Cann to whom it may concern.....Sept. 26, 1921
Sept. 27, 1921—LOT 1 BLK "B" Map Lakeshore Terrace, Oakland. Virginia & H P Diehl to McWethy & Greenleaf.....Sept. 27, 1921
114and cmfwyp hrdlu hrdlu rdlu
Sept. 26, 1921—124 RICARD AVE., Piedmont. J A Pollard to whom it may concern.....Sept. 3, 1921
Sept 24, 1921 -WEST ALAMEDA at Webster Station Junction, Alameda. Associated Oil Co to Decker Elec Constr Co.....Sept. 19, 1921
Sept. 23, 1921—E ETNA 200 S Parker S 50xE 135, 18ky, Matthew C Lynch to Fred J Westlund...
.....Sept. 10, 1921
Sept. 23, 1921—3855 FOURTEENTH Ave., Oakland. S F Covert to whom it may concern..Sept. 1, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Sept. 27, 1921—NO. 127 LAKE ST., Oakland. Gene Gaston vs Mrs Peter J and Peter J Krause.....$85.23
Sept. 27, 1921—LOTS 5 AND 6 BLK 17 Freeman's Map, San Antonio, Oakland. American Automatic Lock & Litt Co vs R H Wells and Carrie E Clare.....$60
Sept. 27, 1921—SW E-TWENTY-first 390 SE 5th Ave SE 40xSW 125, Okd. Pacific Mfg Co vs W and Amelia Henry and W J Wilkinson $2134.44
Sept. 23, 1921—SW E-TWENTY-first 390 SE 5th Ave SE 40xSW 125, Okd. Rhodes-Jamieson & Co vs Amelia H and W Henry....$72.30
Sept. 23, 1921—SW E-TWENTY-first 390 SE 5th Ave SE 40xSW 125, Okd. E K Wood Lumber Co vs Amelia H and W Henry and W J Wilkinson $1139.44
Sept. 23, 1921—S FORTY-THIRD 140 W Market W 50xS 100, Oakland. F E Nelson and P A Anderson (as Nelson Wrecking Co) vs J Roberts
.....$741.54

Notice of Non-Responsibility

ALAMEDA COUNTY

Sept. 29, 1921—LOTS 8 AND 9 BLK 17, Map Resubdivision portion Hollywood, Oakland. Breed & Bancroft as to improvements on property .....
Sept. 29, 1921—LOTS 10 AND 11 BLK 17 Map Resubdivision portion of Hollywood, Oakland. Breed & Bancroft, as to improvements on property .....
Sept. 24, 1921—LOT 65½ BLK "G" Amended Map Blks "G" and "I" Vicente Peralta Reservation Tract, Temescal, Oakland. John R Drake as to improvements on property..
Sept. 23, 1921—LOT 16 and NW 15 Lot 17 Blk 7 Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property .....
Sept. 23, 1921—SW 12½ LOT 20, All Lot 21 Blk 11, Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property .....
Sept. 23, 1921—LOTS 8 AND 9 BLK 22 Map Key Route Heights, Okd. Alameda Investment Co as to improvements on property.....

HOMESTEADS

ALAMEDA COUNTY

Sept. 29, 1921—N PARKER ST 80 E Mabel St. E 40 N 132-6, Berkeley. Lillian M. Parrott, wife W. A...$3500
Sept 28, 1921—SW BRIDGE or Logan 400.36 NW Fruitvale Ave NW 40.03 SW 114.23 SE 40.03, Oakland. Arthur F Balwick.....$4500
Sept. 27, 1921—LOT 14 BLK "D" Map Lakewood Park, Piedmont. May H Fish (wf C Stanley).....$5000
Sept. 27, 1921—PTN BLK "L" Map Annex to Meek Orchard Tct, Eden Tp. Harry R Blanchard.....$2600
Sept. 26, 1921—E 41 LOT 8 BLK D, Sheet No. 1, Map Excelsior Heights Okd. Hilda F (wf Sverre)....$8000
Sept. 26, 1921—E 34-8 LOT 42 Map Linden Homestead. F J Fabiano & Katherine E Fabiano.....$4000
Sept. 24, 1921—S THIRTY-FOURTH 116-3 E Market E 33⅓xS 100, Okd. Octavia Banta Brown (widow).$4000
Sept. 24, 1921—S TAYLOR AVE 142 E Page E 34-9½xS 135, Alameda. Mary L Martin (wf William)...$3500
Sept. 24, 1921—LOT 10 BLK 17 Map Northbrae, Albany. Thomas M and Blanche B Ussey.....$5000
Sept. 23, 1921—PTN LOT 5 BLK "R" Revised Map Oakland Heights, Oakland. H B and Ettia N Arnold
.....$4500

CONTRACTORS' BOND

ALAMEDA COUNTY

Sept. 27, 1921—SHERMAN ST., Alameda. Owner, Mrs. J. M. Sandoe contractor, Conner & Conner; surety National Surety Co.; bond, $5925.

BUILDING CONTRACTS

SACRAMENTO COUNTY

GARAGE
909 TWENTY-SIXTH ST., Sacramento Frame 3-stall private garage.
Owner—H. Adams, 915 26th St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 I St. Sacramento. $800

DWELLING
649 FORTY-FIRST ST., Sacramento One-story 4-room frame dwelling.
Owner—Anna E. Williams, 1008 8th St. Sacramento.
Architect—None.
Day's work. $180

DWELLING
2785 NINETEENTH ST., Sacramento Six-room dwelling.
Owner—Henry Mertens, 2779 19th St Sacramento.
Architect—None.
Day's work. $300

ROOFING
1209 J ST., Sacramento. Three-ply asbestos roofing on building.
Owner—M. H. Diepenbrock, 2315 M St Sacramento.
Architect—None.
Contractor—Johns-Manville Co., 30 Bryte Bldg., Sacramento. $184

DWELLING
1225 FORTY-FIRST ST., Sacramento Five-room frame dwelling and garage.
Owner—John Rasmussen, 817 16th St Sacramento.
Architect—None.
Day's work. $400

DWELLING
3001 SANTA CRUZ WAY, Sacramento One-story 4-room dwelling.
Owner—Mary M. Anderson, 3015 Santa Cruz Way, Sacramento.
Architect—None.
Day's work. $160

DWELLINGS
2931-2927 W ST., and 2210 14th St Sacramento. Three one-story 5 room frame dwellings.
Owner—Howard Kimbrough, 617 J St Sacramento.
Architect—None.
Day's work. $2850 each

DWELLINGS
810-814 TWENTY-NINTH ST. and 282 and 2824 H St., Sacramento. Four one-story 5-room frame dwellings
Owner—L. F. Bennett, 724 J St., Sacramento.
Architect—None.
Day's work. $3125 each

ADDITION
1220 I ST., Sacramento. Concrete roof on addition to dwelling.
Owner—J. F. Calderone, 1220 F St Sacramento.
Architect—None.
Day's work. $90

DWELLING
548 FORTY-FIRST ST., Sacramento. One-story 4-room dwelling.
Owner—Anna E. Williams, 1008 8th St., Sacramento.
Architect—None.
Day's work. $1800

DWELLINGS
1616 AND 1624 FORTY-NINTH ST., Sacramento. Two 6-room dwellings and garages.
Owner—E. O. Butterfield, 3757 Y St., Sacramento.
Architect—None.
Contractor — Butterfield & Francis, 3757 Y St., Sacramento. $1000 each.

SHED
122 B ST., Sacramento. Frame shed for lumber.
Owner—Western Lumber Co., Premises.
Architect—None.
Contractor — C. Vanina, 2022 M St., Sacramento. $160

ALTERATIONS
818 X ST., Sacramento. Remodel and do general repairing on dwelling.
Owner—O. Balzola, Premises.
Architect—None.
Contractor — C. Vanina, 2022 M St., Sacramento. $1500

ROOF
25½ I ST., Sacramento. New abestos roof.
Owner—Miss Nora Daroux, San Francisco.
Architect—None.
Contractor—R. N. Smith. $500

ALTERATIONS
17½ AND 519½ K ST., Sacramento. Remodel upper floors, hallway and stairway.
Owner—A. Micheli and A. L. Bondi, 700 I St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 G St., Sacramento. $9900

DWELLING
106 I ST., Sacramento. One-story 5-room dwelling.
Owner—J. F. Harrigan.
Architect—None.
Contractor—W. P. Cippa, 2560 27th St., Sacramento. $4200

DWELLING
876 PORTOLA WAY, Sacramento. One-story 5-room frame dwelling.
Owner—L. Locke, 3359 6th Ave., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 I St., Sacramento. $5250

GARAGE
720 H ST., Sacramento. Four-stall private garage.
Owner—Geo. Artz, 1214 16th St., Sacramento.
Architect—None.
Day's work. $700

REPAIRING
438 FIRST AVE., Sacramento. Repairing.
Owner—Geo. Ehrhardt, Premises.
Architect—None.
Contractor—H. S. Barnes, 2531 P St., Sacramento. $2200

DWELLING
26 TENTH ST., Sacramento. One-story 3-room dwelling.
Owner—G. D. Conrad, 3416 33rd St., Sacramento.
Architect—None.
Day's work. $600

REPAIRS
15 TENTH AVE., Sacramento. General repairing.
Owner—J. Teeney.
Architect—None.
Contractor—C. Vanina, 2022 M St., Sacramento. $3500

GARAGE
1710 M ST., Sacramento. Three-stall private garage.
Owner—Hattie Hickey, Premises.
Architect—None.
Contractor—J. T. Ransdall, 1055 41st St., Sacramento. $680

REPAIRING
920 K ST., Sacramento. General repairing.
Owner—I. F. Morris, 909 K St., Sacramento.
Architect—None.
Contractor—Geo. D. Hudnutt, Calif. Fruit Bldg., Sacramento. $2000

REPAIRS
FIRST AND J STS., Sacramento. General repairing.
Owner—Friend & Terry, Premises.
Architect—None.
Contractor — Geo. D. Hudnutt, Calif. Fruit Bldg., Sacramento. $500

SLEEPING PORCH
1911 G ST., Sacramento. Sleeping porch.
Owner—M. F. Sexton, Premises.
Architect—None.
Contractor—F. H. Artz, 1911 28th St., Sacramento. $450

COMPLETION NOTICES

SACRAMENTO COUNTY.

Recorded Accepted
Sept. 26, 1921—LOT IN NE ¼ SEC 27 T 9 R 4, Sacramento. Pacific Gas & Electric Co to whom it may concern.....Sept. 20, 1921

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
nSept. 23, 1921—E ½ OF S ½ OF W ½ Lot 8, J, K, 4th and 5th Sts., Sacramento. W J McLaughlin (McLaughlin Sheet Metal Works) vs John Logan, Del Monte Restaurant and J R Bond.....$91.95

BUILDING CONTRACTS

SANTA CLARA COUNTY

DWELLING
425 N-FIFTEENTH ST., San Jose. Five-room dwelling.
Owner—Warren Sheffield, 26 Richmond St., San Jose.
Architect—None.
Contractor—A. M. Elliott. $2850

DWELLING
TWENTY-SECOND AND SAN Antonio Sts., San Jose. Three-room dwelling.
Owner—Mrs. Malitz.
Architect—None.
Daay's work. $800

DWELLING
142 VIOLA AVE., San Jose. Two-room dwelling.
Owner—Mary L. Baker, Premises.
Architect—None.
Day's work. $900

COTTAGE
S-THIRD ST. near William, San Jose. Five-room cottage.
Owner—Mrs. H. Adams.
Architect—None.
Contractor—C. Maurer. $3960

RESIDENCE, ETC.
WILLOW ST. near Vine, San Jose. Store and residence.
Owner—Jos. Di Salvo.
Architect—None.
Day's work. $800

COTTAGE
TWENTY-SIXTH ST near St. James, San Jose. Six-room cottage.
Owner—Tony M. Reis.
Architect—None.
Day's work. $2500

COTTAGE
571 N-SEVENTEENTH ST., San Jose. Five-room cottage.
Owner—Wm. F. Serpa, Premises.
Architect—None.
Contractor—E. E. Weldon, 115 N-33rd St., San Jose. $3880

ALTERATIONS
79 N-SEVENTEENTH ST., San Jose. Alterations.
Owner—Joe Anderson.
Architect—None.
Day's work. $500

DWELLING
LOCUST ST. near Balbach, San Jose Small dwelling.
Owner—A. D. Rowe.
Architect—None.
Day's work. $495

COTTAGE
N-THIRTEENTH ST. near Rosa, San Jose. Four-room cottage
Owner—G. L. Barker, 59 S-5th St., San Jose.
Architect—None.
Contractor—Joe Ennis. $600

COTTAGE
SANTA CLARA ST. near 30th, San Jose Three-room cottage.
Owner—J. R. Harter, 1443 E-Santa Clara St., San Jose.
Architect—A. J. Nielson.
Day's work. $800

SLEEPING PORCH
214 DEVINE ST., San Jose. Sleeping porch.
Owner—I. Allegrina.
Architect—None.
Day's work. $350

DWELLING
ALL OF LOT 20 and E ½ Lot 19 Blk 1, Keiser Tract, San Jose. All work for one-story 4-room shingle roof, rustic bungalow.
Owner—Antonio Gioviano, Lorraine Av San Jose.
Architect—Chas. S. McKenzie, San Jose
Contractor—L. I. Kelley, 810 Prevost St., San Jose.
Filed Sept. 13, '21. Dated Sept. 10, '21.
Frame up 25%
Brown plaster applied..... 25%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, $1807
Bond, $1807. Sureties, James Chase and S. H. Chase Jr. Limit, not given. Forfeit, none. Plans and specifications filed.

RESIDENCE
LOT 8 PLATT GREGORY TRACT, being W side of Capitol Ave., San Jose. All work for tearing out and rebuilding two-story residence.
Owner—Albert M. Foster, R. A. Box 97, San Jose.
Architect—None.
Contractor—H. A. Spreen, Sunnyvale.
Filed Sept. 20, '21. Dated Sept. 20, '21.
Frame up 25%
Roof and 1st coat plaster on ...25%
Completion 25%
Usual 35 days..... 25%
TOTAL COST, $8263
Bond, limit, forfeit, plans and specifications, none.

BUNGALOW
SE RECTANGULAR ½ OF LOT 1 BLK 2, Range 10 N of the base line of City of San Jose. All work for one story 7-room shingle bungalow.
Owner—Charles L. and Verna B. Bean, San Jose.

Architect—Charles McKenzie, Bank of Italy Bldg., San Jose.
Contractor—Wm. M. Myer, Blaney Ave., San Jose.
Filed Sept. 23, '21. Dated Sept. 21, '21.
Foundation & frame complete.$1370
Brown coat plaster complete... 1370
Completed and accepted..... 1370
Usual 35 days..... 1370
TOTAL COST, $5480
Bond, limit, forfeit, plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Sept. 23, 1921—W SECOND 125 S fm S line Empire St. th W 125 N 40 E 125 S 40, San Jose. Elsie A Preston to Carl Maurer.Sept. 17, 1921
Sept. 22, 1921—LOT 1 and NE 10 ft. Lot 2 Blk 35. South Palo Alto. Agnes G Couter to whom it may concern.....Sept. 20, 1921

BUILDING CONTRACTS

FRESNO COUNTY

ADDITIONS
NO. 2264 NICHOLAS ST., Fresno. Additions to dwelling.
Owner—Katie Klamn.
Arch.tect—None.
Day's work. $700

ADDITIONS
105 WEBSTER ST., Fresno. Additions
Owner—W. H. Fielding, Premises.
Architect—None.
Day's work. $500

GARAGE
1253 Q ST., Fresno. Garage.
Owner—Henry Russell, Premises.
Architect—None.
Day's work. $775

DWELLING
3828 VERRUE AVE., Fresno. Dwlg.
Owner—Oliver Sisler, 749 S-Ninth St., Fresno.
Architect—None.
Day's work. $3000

ALTERATIONS
945 J ST., Fresno. Alterations in store
Owner—Eastern Outfitting Co.
Architect—None.
Day's work. $2000

ALTERATIONS
855 J ST., Fresno. Alterations in store.
Owner—M. Schwartz.
Architect—None.
Day's work. $400

ADDITION
3461 IOWA ST., Fresno. Addition to dwelling.
Owner—C. J. Anderson, Premises.
Architect—None.
Day's work. $500

DWELLING
458 HOWARD ST., Fresno. Dwelling.
Owner—Dow & Co., Fresno.
Architect—None.
Contractor—G. C. Cannon, 510 Fresno St., Fresno. $4000

DWELLING
3585 LYELL ST., Fresno. Dwelling and garage.
Owner—J. D. Good, Fresno.
Architect—None.
Day's work. $2000

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Acce
Sept. 28, 1921—LOTS 11 AND 12 in ¼ of Lot 23 Blk 8, Villa Homeste Tract, Fresno. Chas W Fairban to whom it may concern.Sept. 26
Sept. 23, 1921—LOT 9 Stivers Trac Fresno. M A Stivers to whom may concern.....Sept. 21,
Sept. 24, 1921—LOT 23 North Elr hurst, Fresno. Eva Motridge whom it may concern..Sept. 20,
Sept. 21, 1921—LOTS 31 AND 32 BL 21, Arlington Heights Tct, Fresn Vartan & Gulvart Arvanigian whom it may concern...Aug. 27,
Sept. 22, 1921—EASTERBY SCHOO District, Fresno. Board of Truste of Easterby School District Glass & Butner to whom it m concern.....Sept. 14,
Sept. 22, 1921—LOT 7 BLK 17, Al Vista Tract, Fresno. J W Hur phrey to O D Atkins.....Sept. 1,

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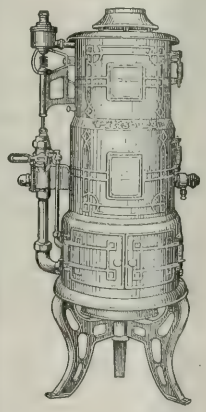
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LIENS FILED

FRESNO COUNTY

Recorded Amount

Sept. 28, 1921—LOTS 13, 14 HARRIS-Euless Sub., Fresno. Routt Lumber Co. vs N Brooks.....$24.00

Sept. 28, 1921—LOTS 21, 22, BLK 65, K-B Heights, Fresno. Swastika Lumber Co. vs Frederick F. Sprow $223.00

Sept. 28, 1921—LOT 5 N½ OF LOT 4 Blk 2, Hills Add., Fresno. Routt Lumber Co. vs N. Brooks.....$34.00

Sept. 24, 1921—260 ACRES IN SEC. 34, 17-10, Fresno. Fred P Roullard vs Ralph H Smith..... $112

Sept. 21, 1921—PTN LOT 50, Poppy Col., Fresno. Routt Lumber Co vs John Groot $45

Notice of Non-Responsibility

FRESNO COUNTY.

Sept. 23, 1921—LOT 34 E ½ of Lot 39 Scandinavian Col., Fresno. B C Thomas as to improvements on property .....

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

RESIDENCE
EL DORADO AND JEFFERSON STS., Stockton. Residence.
Owner—L. G. Samio.
Architect—None.
Day's work. $1200

RESIDENCE
VERNAL WAY, Stockton. Residence and garage.
Owner—Wm. Peenstra, 125 Kensington Way, Stockton.
Architect—None.
Day's work. $4100

RESIDENCE
E-FOURTH ST., Stockton. Three-room residence.
Owner—G. M. Adams.
Architect—None.
Day's work. $500

REPAIRS
517-523 AND 531 S-AMERICAN ST., Stockton. Repair residences.
Owner—F. D. Grandbois, 532 S-California St., Stockton.
Architect—None.
Day's work. $450

GARAGE
NORTH CENTRAL AVE., Stockton. Garage and residence.
Owner—Sterling Building Co., 21 S-San Joaquin St., Stockton.
Architect—None.
Day's work. $5300

ALTERATIONS
40 WEST ROSE ST., Sacramento. Remodel residence.
Owner—Mrs. V. M. Graebe, Premises.
Architect—None.
Day's work. $600

ALTERATIONS
EAST WASHINGTON ST., Stockton. Remodel interior.
Owner—Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—None.
Day's work. $2500

ALTERATIONS
31 NORTH EL DORADO ST., Stockton. Remodel.
Owner—Henry Meyers, 1125 N-Sutter St., Stockton.
Architect—None.
Day's work. $2500

ALTERATIONS
CALIFORNIA AND MAIN STS., Stockton. Remodel interior.
Owner—A. W. and G. P. Simpson, Stockton Savings & Loan Society Bank Bldg., Stockton.
Architect—None.
Day's work. $5000

BUILDING
LOT 1 BLK "A" Bours Tract on N-Hunter and North Sts., Stockton. Building.
Owner—Dr. Louis M. Haight, Elks' Bldg., Stockton.
Architect—None.
Contractor—F. W. Maurice, Stockton.
Filed Sept. 24, '21. Dated Sept. 21, '21. $14,800

RESIDENCE
LOT 15 BLK 100 W of Center St., Stockton. Residence and garage.
Owner—Henry Sanguinetti, Stockton.
Architect—None.
Contractor — Geo. Balliet, 1028 South American St., Stockton. $7894.50
Filed Sept. 24, '21. Dated Sept. 21, '21. Limit, 120 days.

BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW
LOT 6 BLK 18, Redwood Highlands, Redwood City. All work for one-story frame and plastered bungalow.
Owner—A. G. and Myrtle A. Esneault, Redwood City.
Architect—None.
Contractor—Louis M. Pollard, Redwood City.
Filed Sept. 26, '21. Dated Sept. 26, '21.
Roofed $765
Plaster finished 765
Completed 765
Usual 35 days..... 768
TOTAL COST, $3063
Bond, $1500. Sureties, D. P. Gray and T. C. Rice. Limit, 35 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted

Sept. 28, 1921—LOT 13 BLK 36 Eastern Add. No. 2, Burlingame, Cal. George and Edith Wooltoston to W. O. Nicolaides.....Sept. 26, 1921

Sept. 24, 1921—CYPRESS LAWN Cemetery. D T Murphy, decd. Est by Ex. to The Forderer Cornice Works .....Sept. 16, 1921

Sept. 24, 1921—NE THIRST AVE & F St., San Mateo, Lawrence School, San Mateo Grammar School District to E C Cottier.....Aug. 26, 1921

Sept. 23, 1921—SE 60 FT. LOTS 34, 35, 36 and 37 Blk 11, Town of San Carlos. Charles S and Mabel Tate to whom it may concern.Aug. 27, 1921

Sept. 22, 1921—LOT 46, Burlingame Heights, Burlingame. M J Henry and Charles Hommer to whom it may concern.....Sept. 19, 1921

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount

Sept. 26, 1921—PARCEL A & B, South San Francisco. W H Tynan to South San Francisco Land & Improvement Co $426.33

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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Building & Engineering News

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MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Official Paper of Vallejo Builders' Exchange

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TATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912

of Building & Engineering News, published weekly at San Francisco, Calif., or October 1st, 1921.
State of California, City and County of San Francisco—ss.
Before me, a Notary Public in and or the City and County aforesaid, ersonally appeared Eleanor F. Larsen dministratrix of the Estate of L. A. arsen, deceased, who, having ly sworn, according to law, deposes nd says that she and al. are the owners f the Building & Engineering News Publisher, Mrs. L. A. Larsen, 560 Mission street, San Francisco, Cal. Editor, Mrs. L. A. Larsen, 560 Mission treet, San Francisco, Cal.
Managing Editor, J. P. Farrell, 560 Mission street, San Francisco, Cal.
Business Manager, Mrs. L. A. Larsen, 560 Mission street, San Francisco, Cal.
Owner, L. A. Larsen Estate.
That the known bond holders, mortgagees and other security holders owning or holding 1 per cent or more of otal amount of bonds, mortgages or ecurities are: None.
ELEANOR F. LARSEN,
dministratrix of the Estate of L. A. Larsen, deceased.
Sworn to and subscribed before me his first day of October, 1921.
CHALMER MUNDAY,
Notary Public in and for the City and County of San Francisco, State of California.
My commission expires Oct. 18, 1921.)

PUBLIC BUILDINGS OR PUBLIC BREAD LINES?

"Hard times" is largely a state of mind. Therefore the statement recently issued by the U. S. Department of Labor to the effect that more than 5,000,000 men are now out of work in the United States need not of itself alarm. Rather it should spur us to immediate action in discovering the cause for this situation and in applying the remedy.

For five years or more the construction industry, recognized because of its far reaching ramifications as an index of prosperity or the reverse, has been confronted with repeated handicaps. This season has witnessed considerable private enterprise as recorded in the volume of business in dollars that has engaged the attention of the construction industry, but with the possible exception of highway work, public works have been notoriously inactive —this in the face of the oft repeated statement that there is a shortage of schools, hospitals, various municipal structures and buildings in general of a public or semi-public nature.

All of us can recall that months or years ago we voted as bond issue, or in other ways provided for the raising of funds to further some needed public improvement — a park development with its adjunct of recreation features, including perhaps, a swimming and wading pool, a new city hall, new quarters for the fire department, a new hospital, new schools, or what not? The money for these is waiting somewhere to be spent. Often the spending has been held up by the misguided notions of our public officials that some other time than now would be more propitious for commencing the work. In the meantime the public—you and I—languish for the civic improvements which we thought had been provided for and were to proceed.

There has been a tedious period of readjustment, and latest indications point to an upward trend of prices. Some permanent new levels seem to have been reached. This only reminds us again that delay profits nothing and is likely to be more costly if long continued.

One thing in particular makes the present unemployment situation somewhat alarming. The more or less confirmed habid of suspending construction activities with the approach of winter is certain to add to the ranks of unemployed. Even in the "normal times" of which we have been so wont to speak in recent months, suffering is with us in winter.

Bread lines are not in harmony with the present commanding status of America. We have more than half the gold in the world, a natural wealth untold, abundant harvests, banks bursting with money, inestimable resources undeveloped. If weather sharps are weather wise, a severe winter is approaching — cold supplemented by shortage of fuel and the inability of millions of unemployed to get the warmth of necessary food and other sustenance.

This isn't a cry of wolf, but a warning that human suffering and hardships may be inflicted upon the present unemployed as well as those who are about to join these ranks unless work and wages are obtainable. It is difficult to predict what may be the outcome of a situation such as that threatening.

Public work can be done more cheaply now than at any time in recent years, and the grave responsibility rests upon the shoulders of public officials to inaugurate and continue through the winter months every form of public work for which funds may be available as a means of preventing a social crisis which they may otherwise be required to meet. Action must be immediate. Politicians operating for political gain must forego that vocation and become plain public citizens and taxpayers, fostering only that individual interest which is the best interest of the community.

Let Chambers of Commerce, Rotary Clubs, Civic Organizations and all other similar public bodies resolve themselves into a Citizenship Committee of the Whole, kick politics out of every open door and window and begin letting contracts for work at living wages. Competition of private enterprise is out of the way. There are men everywhere who want work, men everywhere who are willing to give a full day's labor for a full day's pay.

Let's all go to work building public buildings for public welfare! If we do, we'll not have to make bread for public bread lines.—Engineering World.

PENNSYLVANIA BUILDS CONCRETE ROADS

The Pennsylvania State Highway Department has opened bids for the construction of about 60 miles of new concrete highways. On the 27 projects 22 contractors submitted bids. On one four-mile project 17 bids were received. Another drew 16 bidders and one third 14 bidders. The total low bid approximated $3,200,000, or $53,333 a mile. Low bids submitted for 21.7 miles of 18-foot reinforced concrete pavement totaled $1,735,314, or $54,000 a mile. While on 21.7 miles of 16-foot reinforced concrete road, the bids averaged $45,000 per mile.

The total highway mileage for Pennsylvania as given in a recent classification presented to a Congressional Record by Thomas H. MacDonald, chief of the United States Bureau of Public Roads, is 91,556 miles, of which 3,300 miles, or 3.6 per cent, constitutes the state highway system. The State Highway Department has available from different sources, $80,000,000 for the state system. At the rate of $54,000 a mile, should the department extend its policy of building 18-foot reinforced concrete to the entire mileage, it is estimated that the state highway system would cost $178,200,000. At the rate of $45,000 a mile for 16-foot reinforced concrete, the 3,300 miles would cost $148,500,000.

The tendency is growing among highway engineers to reinforce concrete roadways with more and more steel or iron. The highest types of reinforced concrete roadway proposed for the "Ideal Section" of the Lincoln Highway will cost about $100,000 a mile.

There is an automobile in use on every two of the 6,300,000 farms in the United States.

A number of Northwest sawmills are equipped with steam drying plants able to dry green lumber in 24 hours.

The Observer

As a solution of the unemployment problem in this country, the Denver Post wires President Harding and Secretary of Commerce Herbert Hoover a suggestion to build two hard surfaced transcontinental highways. Men out of employment would do the work under supervision of Army engineers, under the Post's suggestion. . It is estimated the highways would cost $100,000,000.

One hundred and sixty-four blocks of street paving has been laid in Martinez, Cal., during the last two summers. The improvements cost $396,929.

During the month of September, building to the total value of $918,-121.50 was begun in Sacramento, records of the City Building Inspector, Ben H. Covell show. The total for August was $348,788. So far this year, from January 1 to September 30, the building activities in Sacramento total $3,365,478.

R. L. Jones, chief engineer for the Sutter Basin Company, has resigned, to become office engineer in the Division of Engineering and Irrigation, Department of Public Works of the State of California. The resignation is effective October 1.

Speaking of San Francisco, the Clubman, in the Oakland Enquirer, says: "Building operations are going along smoothly under the American plan. Union men are working side by side with non-union men, and the organized fellow is setting the pace for his unorganized team-mate. That is to say, the union man is a better worker than the non-union man. I get this from a contractor friend of mine who is usually reliable. I am informed that all the union men are paying their dues and keeping up their membership in the various locals of the Building Trades Council. This means, naturally, that the union man by no means believes that the day of unions is over in San Francisco. He considers that unionism is in partial eclipse, but that the future will brighten up.

A complete acceptance by Chicago's organized labor of the Landis wage award or an American Plan city is the unofficial ultimatum decided upon by the Associated Builders and the Building Construction Employers' Association of that city. It is also widely reported that the employers intended raising a fund to conduct an American Plan war on the Carpenters' Union, which has been belligerent throughout the wage negotiations.

Building permits issued in Seattle during the month of September totaled $1,354,430. Covering the same period during the year 1920 the totals were $865,330. Construction in Seattle thus far during the current year has practically equaled that of the first nine months of last year. Since January 1 of this year permits issued call for $11,024,275 worth of building, while during the first nine months of 1920 the permits were valued at $11,216,235.

H. V. Michener, who for more than six years last past, has been Northwest stores manager for the Western Electric Company, having charge of the branches in Seattle, Portland, Spokane and Tacoma, with headquarters in Seattle, has been transferred to San Francisco, where he bears the title and fills position of stores manager of the telephone department for the company. His territory will include the entire Pacific Coast.

Twenty-three building permits were issued in Eureka, Cal., during the month of September. Improvements carried on under these permits will cost $132,000, the largest of which is the Masonic temple, estimated to cost $100,000.

The records of the Bridge Builders' & Structural Society, from reports collected by its secretary, show that during the month of August, 1921, 59,302 tons of fabricated structural steel was contracted for throughout the United States, equivalent to 33 per cent of the entire capacity of the bridge and structural shops of the country.

As an immediate means of helping to solve the unemployment problem in Sacramento, the State and Nation, the Sacramento Chamber of Commerce has adopted resolutions calling upon the Government to build a transcontinental highway, and insisting that Governor Stephens clear the way at once for starting work on the Capitol Extension buildings and other State projects.

Ernest S. Alderman, a native of Grass Valley, Cal., and graduate engineer of the University of California, has been appointed Chief Highway Engineer for the State of Oklahoma. Alderman graduated from the University of California about 1911 and has since been in the employ of the Federal Bureau of Roads much of the time, and recently has been stationed in Oklahoma. During the war period he served in the Engineers, and was stationed at Camp Travis.

Advisability of a Federal bond issue to create a fund for making loans to aid municipal public works in years of depression when jobs are scarce is under consideration by sub-committees of the National Conference on Unemployment. Such a proposal has been suggested to the conference as part of a plan for permanent safeguards against bad years for the Nation's workers.

The statistical abstract of the United States for 1920, published by the Bureau of Foreign and Domestic Commerce, gives the following data on building operations in 69 principal cities in the United States for the calendar years 1914 to 1920, the figures being taken from reports of the U. S. Geological Survey:

	Permits	Cost of bldgs.
1914	203,732	$ 619,752,354
1915	223,983	700,413,338
1916	240,670	839,705,662
1917	196,363	569,010,839
1918	155,280	344,621,966
1919	269,948	1,058,347,083
1920	249,368	1,115,150,167

The Monterey County Builders' Association has been organized in Monterey. Offices of the association will be maintained at Salinas and Monterey. The association, formed to cooperate with the public in reducing building costs, embraces every b of the building industry. The ciation has adopted a reduced scale and solicits the co-operati the public in furthering constru in that section.

Highway costs are coming c The State Highway Commissior timated the cost of paving 15.7 mi macadam highway in San Berna County at $233,355. A Riverside tractor will do the job for $22 The commission estimated it woul quire $222,062 to construct 10 mil highway in San Luis Obispo Co An Oakland contractor will cons the unit for $161,712.

Frank Vanderlip, Lyman T. Gag C. Sutton and L. L. Brentner, a Los Angeles, have incorporated a pany for the manufacture of clay ucts at Carpinteria, near Santa bara. The concern is incorporate $150,000 and already has place machinery in its plant and st manufacturing. The articles of i poration are sufficiently broad tc able the new concern, known as Carpinteria Clay Products Com to manufacture everything mad clay, from bricks to chinaware, a is understood that eventually it expand into every department o industry. At present machinery been installed only for the makir brick and tile.

The municipal water and light of Lodi, Cal., paid the city a hand profit of $43,506.50 during the year ending June 30, according c annual report submitted to the tees by John F. Blakely, City C The report shows the profit from water system alone was $14.2 The net profit from the electric ing system was $29,222.49.

The California Electrical Co-op tive Campaign announces the rem of its offices to Rialto Building. ert L. Eltringham is manager.

Out-of-date school buildings are in demand. School trustees of Co Shasta County, advertised for sa four-room school building er fourteen years ago. The best received was $150 and the lowest

The Richmond Builders' Exch has opened quarters in the office the Contra Costa Realty Company, Macdonald avenue, Richmond. Leonard C. Dexter, secretary, charge.

Effective October 17, a revised scale in the building trades will vail in Monterey County, accordin the Monterey County Builders' A ciation, recently organized. The scale will be: Carpenters, $7.20; tricians, $8.10; painters, $7.20; b layers, $10; cement finishers, $ Shinglers, $7.20; plumbers, $8.10; b ing labor (helpers), $5; teams (four horses), $5.40; teamsters horses), $5; lathers, $9; plasterers, concrete laborers, $5.50; hod car for brick masons, $6.30; hod car for plasterers, $6.75; common labo $4.50; mill men (bench hands), $ sheet metal workers, $7.20; truck d ers (four tons and over), $5.40; t drivers (under four tons), $4.50.

Construction Situation as Viewed by an Architect

By CHARLES A. DIEMAN, Architect.

After the armistice, came a few onths of depression, and then the re-tion set in. A period of spending was augurated—and the sky was the lim-

There was plenty of money—and e people had to spend it. Prices? ey were the least of our troubles, e higher the better! We were hav-g the time of our lives. And the ilding industry boomed along with erything else. But it seems to be a oven fact that where a man will and paying the highest market price r any other commodity he has a rong aversion to financing a building oposition on the same basis.

hat Happened When Everyone Tried to Build

So, one day there was a change. Con-tions were reversed and the bottom ll out of the business—fell with such thud that we are still hearing the hoes. And who has borne a good al of the blame? Who has been re-ed and censured—and called a prof-er? The contractor and the material n! I'm not saying that they haven't de money, but I do say that they ve not been primarily at fault. Had e people stopped to take stock they uld have seen this—that after the pression, when everyone tried to ild at once, the result could only be moralization in transportation, labor, terials, and financing. They would ve realized that the political situa-n had a good deal to do with the ilding situation. There was a tight-ng of the money market, and own-could not finance building projects.

s far as transportation of building terials (and other commodities) was icerned, for months the railroads re in very bad shape. When every-started to build, the natural result s congestion, and sometimes people l to wait for weeks, and even nths, for delivery of materials. The tractor could resort to the use of railway express and motor trucks, these were expensive, and as far as t was concerned there was not much erence between that and the costs ailed by the extensive delays in pment by freight.

hen, too, even had transportation ditions been normal, the output of ding materials could not have met demands. At the close of the war re were not enough building mate-s on hand to supply a quarter of demand for construction work. se conditions could not be reme-l in a day, and the inability to pro-e building materials in quantities ded naturally resulted in high ces, both on account of non-produc-n and delays.

or's Attitude Greatest Problem in Building Industry

ut, there is no doubt that the most urbing element in the building sit-ion has been the attitude of labor. ring the war, for every man taken the service there was a vacancy ted. When one takes into consid-ion that this affected millions of one can realize the result the vidual worker found himself com-nder of the situation. He worked ut as suited his will, and I am ld the government itself had a d deal to do with this attitude. As he other cases, conditions could not lly be changed on a moment's no-, because the position of the mass abor could not be altered in a day. disposition to work was much di-minished, and as a result there was a great decrease in efficiency.

It has been interesting to note the figures compiled by different organizations covering building costs. The associated employers of Indiana, in giving different wage rates and production records, show that since 1909 the cost of laying brick has gone up from 55 cents an hour to $1.25 in 1920. They further show that whereas 1100 bricks were laid in a day in 1909, 541 bricks a day were laid in 1920—the cost having risen from $4.40 for the laying of 1100 bricks to $10 for 541 bricks, while the rate per hour has more than doubled, the efficiency has decreased more than one-half. In other words, it cost four times as much in 1920 to lay 1000 bricks as it did in 1909. That condition, in part, applied to nearly every other trade concerned in building.

Labor made all sorts of demands, which were met. In one instance, in Chicago, union carpenters worked on a $1,750,000 building until it was two-thirds completed, and then went fishing from Monday to Saturday noon, and worked Saturday afternoon and Sunday at pay based on double time—not for $1.25, but for $2.50 an hour. Mr. E. A. Beals, of Dow's Reports, has traced the volume of building, and the cost thereof, from 605 million square ft., costing $1.50 per square ft. in 1911, to 350 million square ft. for the first nine months of 1920, at a cost of $3.50 per square ft. While some articles were exorbitantly priced because of their abnormally priced because of their chief essential—labor. The uncertainty and risk was very great, and this could only mean a high rate of overhead. In addition, there had been added government taxes and other expenses. As a result, increases in cost of production and consequently in selling prices, have been passed along from one to another. The contractor cannot be blamed for that.

Taking it all in all, it is small wonder that there was a drain on the money market, and the banks finally began to refuse loans to finance building projects. Last June, a trust banker, Benjamin A. Bills, in speaking to the Illinois Society of Architects of the financial conditions in connection with buildings, said: "We were hopeful that the silver lining in this cloud of adversity would be a consequent over-production, which would mean the bringing down of war-time prices. Instead, labor, as you well know, has become tired or retired." Mr. Bills related a conversation which had taken place between a builder, a banker and a labor union organizer. The organizer had made a boast that his plumbers would soon be getting $2 an hour. The banker rather bitterly retorted, "I hope they get $5 an hour, for then we shall sooner return to the rule of reason, which is based on a value received relation. For every dollar above $1 an hour which you get your plumbers, they give no value back in their labor upon which I can successfully make I get a return dollar on building loans so made. This means, he continued, "that I simply must refuse to loan the savings of your plumbers on work which your plumbers are doing and that, therefore, they can have and will have less work, and finally no work to do." All this of course, took place months ago, and conditions have changed considerably.

As for the future, we can make no sure prophecy. It seems to me that the situation has been bettered, and is slowly but surely approaching normality.

I believe that labor is assuming a fairer attitude towards its employer. There seems to be hopeful signs in the efforts of their organizations to do the right thing. They realize that a change is necessary. Not only will it be necessary to reduce the cost per hour, but it will have to increase its producing power. During the war, and since, labor has been only from 50 per cent to 70 per cent efficient. When you bring this up to 100 per cent efficiency one can see that it will make a great difference in the cost of any work.

Owner Will Not Much Longer Tolerate Inefficiency

All of us, whether architect or contractor, have let down our steam pressure, and we have all been taking it easy, much like the laboring class. But I think the day is near at hand when the builder—I refer to the owner, or client—on whom we rely for our work, whether it be residence or public buildings—will not tolerate our inefficiency, and it's up to us to change our own methods before we blame the other fellow for all the trouble. There is much to say about union labor and its power with its jurisdictional rulings. May be good or evil, I cannot say, but leave that for you. Only, let us be perfectly frank in our deliberations and be careful that we do nothing that in the eyes of the public seems unfair. Transportation facilities are better, and though freight rates are much increased the actual cost of delivery is less. The money situation is much relieved. We are looking forward to four years of sound governmental administration.

It must be remembered that there is nowhere in the building industry a large surplus of building material supplies. If there is a stampede toward building, it seems only logical that the high prices will still prevail—and not only that—another congested period. Construction can utilize about all the materials available, and this should be taken into consideration.

So, it seems to be that the situation calls for co-operation more than ever before—co-operation between architects, between contractors, between all professions and trades bearing on the building industry. If we all recognize that we should do everything possible to improve conditions we shall soon return to a basis of living which should be entirely satisfactory.

Technion, Inc., Opens Offices and Factory

Technion, Inc., manufacturing partitions, mantels, tiling, wainscoting, flooring and works of art out of Technion material, has opened an office and factory at 524 Gough street, with Alex R. Balm, president; J. W. Rowell, vice-president and production manager, and E. A. Douthitt, secretary-treasurer.

Technion material is a composition that is non-inflammable, waterproof and which will not warp. It is light in weight, yet durable, and takes a high polish. Technion, Inc., also owns devices for interlocking movable partitions as well as partitions for permanent use.

Building News Section

APARTMENT HOUSES

Bids Wanted For Sheet Metal, Ornamental Iron, Electric Work, Roofing, Lathing and Plastering.
APARTMENTS Cost, $——
SAN FRANCISCO. E Larkin 87-6 N McAllister St.
Four-story and basement Class C apartment house building.
Owner—S. Hersko.
Architect—Not given.
Contractor—W. S. King, 135 Webster St., San Francisco.
The plumbing and heating has been awarded to A. J. Silva, 504 Gough St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $22,000
SAN FRANCISCO. N. Grove St. near Masonic.
Two-story and basement brick veneer and stucco apartments (6 apts of 2, 3 and 4 rooms).
Owner—Name withheld.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Plans will be ready for figures about October 15, 1921.

Working Drawing Being Prepared.
APARTMENTS, ETC. Cost, $20,000
SAN FRANCISCO. N. Geary E. Palm Ave.
Two-story frame and stucco apartments (4 and 5-room) and separate garage for 4 machines.
Owner—Name withheld.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Plans will be ready for figures about Oct. 10.

Plans Completed.
APT. HOUSE Cost, $50,000
LOS ANGELES. St. Andrew Pl. and W. 6th St.
Two-story apartment house, 109x121 (10 apts., 42 rooms).
Owner—J. H. Prodger, 2120 Highland Ave., Los Angeles.
Architect—De Luxe Bldg. Co., 521 Union League Bldg., Los Angeles.

Plans Completed.
STORE, APT. BLDG. Cost, $70,000
LOS ANGELES, Cal. NW Vernon and Vermont Aves.
Two-story brick store and apartment bldg., 110x170 (2 stores and 22 apts.).
Owner—Jos. Engert, 1021 W. Vermont Ave., Los Angeles.
Architect—E. J. Borgmeyer, 1003 California Bldg., Los Angeles.

Plans Completed.
APARTMENTS Cost, $15,000
SAN FRANCISCO. N. 17th 200 E. Dolores.
Three-story and basement frame (6) apartments.
Owner—J. Welsh, 68 Post St., San Francisco.
Architect—Matthew O'Brien, 68 Post St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $20,000
BERKELEY, Cal. W. Hillegass 250 S. Parker.
Three-story frame apartments (36 apts.).
Owner—Eleanor F. Yates, 3005 Benvenue St., Berkeley.
Architect—None.
Contractor—L. Yates, 3005 Benvenue, Berkeley.

Segregated Figures Being Taken.
APT. HOUSE Cost, $75,000
SAN FRANCISCO. NW Leavenworth and Washington Sts.
Five-story and basement reinforced concrete apartment house.
Owner—Represented by R. C. Leonard, 77 O'Farrell St., San Francisco.
Architect—Name withheld.

Plans Completed.
APARTMENTS Cost, $40,000
SAN FRANCISCO. SE Spruce and Washington.
Three-story and basement frame (6) apartments.
Owner — California Investment and Financial Co., 418 Mills Bldg., San Francisco, Cal.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

Contract Awarded.
APT. HOUSE Cost, $17,000
OAKLAND, Cal. Gore, Walker, Cottage and Vermont.
Three-story frame 20-room apartment house.
Owner—Mrs. Ida M. Thurer, Menlo Hotel.
Architect—Not given.
Contractor—Sommarstrom Bros., 1941 24th Ave., Oakland.

Plans Being Figured—Bids Close Oct. 15, 1921, 3 p. m.
APARTMENTS Cost, $30,000
SAN FRANCISCO. SE Ashbury and Clifford Sts.
Three-story and basement frame and plastered apartments.
Owner—W. H. Humphrey, 1279 19th Ave., San Francisco.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
Figures are being taken for a general contract, except the foundation.
Plans may be obtained from the owner or at the Builders' Exchange, 180 Jessie St.

Contract Awarded.
APARTMENTS, ETC. Cost, $11,750
OAKLAND. S. Wickson Ave. 125 E. Walker Ave.
Two-story frame apartments and garage (4 3-room apts.).
Owner—Louise F. Kingsland, 1528 Franklin St., Oakland.
Architect—Hutchinson & Mills, Albany Bldg., Oakland.
Contractor—E. B. Leonard, 589 Kenmore Ave., Oakland.

Plans Completed
APARTMENTS Cost, $15,000
OAKLAND. N. Glenview 50 W. Rand Avenue.
Two-story 16-room apartments.
Owner—F. C. Viscia, 866 52nd St., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.

BONDS

SAN JOSE, Santa Clara Co., Cal.—December 13 is date set to decide question of issuing and selling bonds of $700,000 to finance construction of a municipal auditorium for a war hero memorial.

PLACERVILLE, El Dorado Co., Cal. Mrs. O. N. Hirst, secretary, Placerville High School District, urges bond election to finance construction of a new high school.

BURBANK, Los Angeles Co., Cal.—The $60,000 bonds for city lighting department were sold to Citizens National Bank.

VALLEJO, Solano Co., Cal.—An election will be held Oct. 27 in the Hunter School District to vote bonds of $10,000 to finance construction of a new school building. Trustees of the district are: Henry Mini, M. J. Silveira and W. E. Corcoran.

BLOOMFIELD, Sonoma Co., Cal.—Bonds of $8000 voted in Bloomfield School District to finance construction of a new school.

SAN MATEO, San Mateo Co., Cal.—Oct. 24 is date set to decide question of issuing and selling bonds of $200,000 to finance construction of two grammar schools for the San Mateo Grammar School District.

SANTA BARBARA, Cal.—A petition for special election to vote on issuing $225,000 to construct a breakwater 1260 ft. long 1000 ft. off shore, will be presented soon to City Council.

BANNING, Riverside Co., Cal.—A bond issue of $35,000 for storm water protection will be submitted with paving bonds.

VISALIA, Tulare Co., Cal.—Supervisors sell remaining $325,000 worth of bonds of the $365,000 issue of Porterville Union High School District for a premium of $326. Proceeds of sale will finance purchase of site and erection of new school. Plans are being prepared by Architects Coates & Traver, Rowell Bldg., Fresno.

VISALIA, Tulare Co., Cal.—Supervisors sell $12,000 bond issue of Locust Grove School District for premium of $98; proceeds of sale to finance construction of a new school building.

SACRAMENTO, Cal. — Supervisors sell $80,000 bond issue of Courtland Union High School District for a premium of $4153; proceeds of sale to finance school improvements.
No bids received for purchase of $20,000 issue of Bates Union High School District.

LA GRANDE, Ore.—Nov. 1 is date set to decide question of issuing and selling bonds of $204,447 for improving the water works system.

BURBANK, Los Angeles Co., Cal.—The $140,000 sewer bonds sold to Aronson & Co. of Los Angeles at $10 premium.

FRESNO, Fresno Co., Cal.—Until Oct. 28 bids will be received by Supervisors for purchase of $11,000 bond issue of Roosevelt School Dist.; proceeds of sale to finance construction of school improvements.

CHURCHES

Plans Being Figured.
CHURCH BLDG. Cost, $——
LOS ANGELES. Pasadena Ave. bet. Avenues 65 and 66.
Two and 3-story brick and plastered church 64x100.
Owner—Garvanza Methodist Episcopal Church.
Engineer—Arthur G. Lindley, Wright & Callender Bldg., Los Angeles.

Working Drawings Being Prepared.
CHURCH, ETC. Cost, $150,000
GLENDALE, Los Angeles Co., Cal.
Brick church and a 2-story brick Sunday school building.
Owner—Presbyterian Church.
Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Contract Awarded
CHURCH ADD. Cost, $2975
OAKLAND, Cal. 2333 Harrison Blvd.
Addition to church.
Owner — Seventh Church of Christ, Scientist.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—H. C. Andresen, 1229 Pearl St., Alameda.

SEATTLE, Wash.—Plans for the proposed church to be erected at Broadway and Olive Ave. have been received from Architect Robert H. Orr, Van Nuys Bldg., Los Angeles, and it is expected that bids will be called shortly by the owners, the First Christian Church. It will be a masonry structure, covering 60 ft. by 60 ft. with auditorium seating 800.

LOS ANGELES, Cal.—Baker Iron Works has been awarded a contract at about $91,300 for furnishing and erecting the structural steel work for the new class A church bldg. to be erected at the southwest corner of 8th and Hope Sts. for the First M. E. Church. John C. Austin, 1125 Baker-Detweiler Bldg., Los Angeles, is the architect.

FACTORIES & WAREHOUSES

Bids In.
WAREHOUSE Cost, $——
OAKLAND, Alameda Co., Cal. Second and Washington Sts.
One-story reinforced concrete warehouse.
Owner—Pacific Gas & Electric Co.
Architect—Wm. Knowles, Call Bldg., San Francisco, and Central Bank Bldg., Oakland.

Plans Being Figured.
WAREHOUSE Cost, $——
LOS ANGELES. 233-35 South Los Angeles St.
Five-story Class "A" reinforced concrete warehouse 55x196.
Owner—Hoffman Hardware Co.
Architect—W. S. Garrett, 500 Lankershim Bldg., Los Angeles.

Plans to be Prepared.
FACTORY Cost, $10,000
BERKELEY, Alameda Co., Cal. Location not selected.
Hollow tile or corrugated iron factory
Owner—Superior Tile & Products Co., 1910 Prince St., Berkeley.
Architect—Not Given.

Permit Applied For.
SHOP, ETC. Cost, $75,000
OAKLAND. NW 20th and Kirkham
One-story frame shop and warehouse.
Owner—J. Pantosky of the Pacific Pipe Co., 10th and Washington St., Oakland.
Architect—None.
Contractor—H. W. Leach, Premises.

Plans Being Prepared.
LOFT BLDG. Cost, $——
LOS ANGELES, Cal. SW Eighth and Spring Streets.
Twelve-story and basement Class A loft building, 50x155.
Owner—W. W. Paden, C. H. Price, et al
Architects—L. L. Jones and E. L. Wayberry, Associated, Pacific Electric Bldg., Los Angeles.

Permit Applied For.
LOFTS Cost, $30,000
SAN FRANCISCO. SW 1st and Clementina.
Three-story and basement brick lofts.
Owner—Manufacturers' Bldg. Corp., Call Bldg.
Architect—Owners.

SOUTH SAN FRANCISCO, Cal.—C. J. Hurrle of San Francisco is conferring with the Chamber of Commerce regarding the establishment of a glass factory. The plant will be established if $40,000 worth of stock is taken up in South San Francisco.

SAN FRANCISCO.—The Board of State Harbor Commissioners received bids on September 30th for furnishing materials and constructing bulkhead wharf building for Pier No. 5 on the San Francisco waterfront. Hannah Bros., 142 Sansome St., submitted the lowest bid and were awarded the contract. Following is a complete list of the bids:

Hannah Bros.	$30,678
Barrett & Hilp	31,923
Cohn & Nordstrom	34,740
Larsen-Siegrist Co.	38,777
Vukicevich & Bagge	39,773
Hays-Oser Co.	39,821
A. H. Vogt	39,863
O. C. Holt	40,270
I. M. Sommer Co.	40,399
Lawton & Vezey	40,529
Wm. Martin	40,912
A. Pringle	43,454

FALLON, Nevada—George Wingfield, Reno mining man, will construct a cannery in this city. The size of the project and what amount will be expended in construction has not been made public.

SELMA, Fresno Co., Cal.—Fresno Tire & Rubber Co. plans construction of $200,000 plant in this city. Selma businessmen will be asked to subscribe $50,000 worth of stock, $25,000 of which has already been sold.

SACRAMENTO, Cal.—Attorney W. Latta, Mitau Bldg., representing the Motor Carriers' Terminal, Inc., made up of owners operating stage lines out of Sacramento, announces plans are under way for the immediate erection of a one-story reinforced concrete $50,000 union auto stage station at the southeast corner of Fifth and I Sts. Directors of the corporation, recently organized are: C. A. Elliott, Winters; J. M. Jackson, Oakland; George W. Patterson and W. M. Sanford, Stockton; A. L. Richardson, Placerville; C. H. Spickard, Beverly Gibson, William A. Sitton and W. A. Letta, Sacramento.

FLATS

Contract Awarded.
FLATS. Cost, $10,000
SAN FRANCISCO. S Geary 82-6 E 38th Avenue.
Two-story and basement frame (4) flats.
Owner—Geo. Collupy, 51-A Walter St., San Francisco.
Architect—None.
Contractor—Klaus Adler, 1908 Webster St., San Francisco.

Contract Awarded.
FLATS Cost, $8,000 each and $16,000
SAN FRANCISCO. S Lake 40, 65 and 90 W 24th Ave. and SW Lake and 24th Avenue.
Three two-story and basement frame flat buildings (2 flats each) and a two-story and basement frame (4) flat building.
Owner—Annie L. Gleason and Henry R. Gleason, 2254 Fulton St., San Francisco.
Architect—None.
Contractor—A. J. Falvey, 2099 Lake St., San Francisco.

Revising Plans—New Figures to Be Taken.
FLATS Cost, $12,000
SAN FRANCISCO. Jones St. between Pine and Bush Sts.
Two-story frame flats (2 4-room).
Owner—Rocca Bros.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans Completed.
STORES, FLATS. Cost, $12,000
SAN FRANCISCO. NW Clement and 8th Ave.
Two-story frame stores and 2 flats.
Owner—E. J. Osborne, Tr. E. M. Robbins, 1300 Sacramento St., S. F.
Architect—Erle J. Osborne, 593 Market St., S. F.

Contract Awarded.
FLATS Cost, $15,000
SAN FRANCISCO. NW Hayes and Clayton.
Two-story and basement frame (4) flats.
Owner—Mrs. Chas. Schutt.
Architect—Wm. Koenig, 788 16th Ave.
Contractor—Koenig Bldg. Co., 520 Church St., San Francisco.

GARAGES

Completing Plans.
ADD TO GARAGE Cost, $——
SAN FRANCISCO. Post and Taylor Streets.
Addition to Class "A" reinforced concrete garage.
Owner—Musto Estate.
Architect—Meyer & Johnson, Bankers Inv. Bldg., San Francisco.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Following is an abstract of bids received by the Supervising Architect, Treasury Department, for fur. and del. metal vault shelving for the U. S. postoffice, court house and custom house, Honolulu, T. H.:

Dexter Metal Mfg. Co., Camden, N. J., $2,071.

Fred Medart Mfg. Co., Baltimore, $2,507.

Bernstein Mfg. Co., Philadelphia, $3,000.

Terrell's Equipment Co., Grand Rapids, Mich., $3,407.61.

Van Dorn Iron Works Co., Cleveland, $4,218.

O. M. Edwards Co. (Inc.), Syracuse, N. Y., $4,844.

Watson Mfg. Co., Jamestown, N. Y., $4,967.

Art Metal Construction Co., Jamestown, N. Y., $5,100.

Keyless Lock Co., Indianapolis, Ind., $5,500.

Forderer Cornice Works, San Francisco, $6,497.

Metal Goods Corp., Buffalo, N. Y., $7,000.

David Lupton's Sons Co., Philadelphia, $11,200.

General Fireproofing Co., Washington, $4,163.92, alt. $8,108.78.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, is preparing Specifications No. 4527 for the construction of a dispensary building at San Diego, Calif., also Specification No. 4528 for foundations for a dispensary building and post exchange at same place.

WASHINGTON, D. C.—The contract for steelwork for machine shop at Pearl Harbor, T. H., bids for which were opened at the Bureau of Yards and Docks, Navy Department, September 21, under Specification 4464, has been awarded to C. A. Blume, 1309 6th Ave., San Francisco, at $45,825 for item 1, time to complete 170 days; unit prices for item 2 have also been accepted.

WASHINGTON, D. C. — Bureau of Yards and Docks, Navy Department, preparing specification No. 4526 providing for installation of street lighting and fire alarm system at San Diego, Cal.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at end of each paragraph:

Schedule 8770, for Mare Island, 2 meat-slicing machines and 45 meat-grinding machines; also 3 food grinders electrically operated, and 3 sets spare parts, October 25.

Schedule 8815, for Mare Island, 44 metal lockers, and 23 metal lockers for Puget Sound, October 25.

Schedule 8819, for Mare Island, 1,100 feet single-conductor cable, varnished, cambric insulated and weatherproof braided, on reels, October 25.

Schedule 8820, for Mare Island, 200 clamp-type insulators, October 25.

Schedule 8827, for Mare Island and Puget Sound, 7 valve-reseating machines, October 25.

Schedule 8828, for Mare Island, 8 tachometers, portable, hand, triple range, October 25.

Schedule 8834, for Puget Sound, 1500 gallons wood preservative, in liquid form, for use on rough lumber, October 25.

WASHINGTON, D. C.—The Supervising Architect, Treasury Department, Washington, D. C., has accepted the bid of the City Mill Co., Honolulu, T. H., $941.26 in amount, for furnishing 12,467 ft. lumber for the quarantine station.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, preparing Specification No. 4529 for road work at Radio Station, Astoria, Oregon.

HALLS AND SOCIETY BUILDINGS

Purchasing Materials.
CLUBHOUSE, ETC. Cost, $30,000
SHASTA COUNTY, Pitt River.
Frame clubhouse and cottages.
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—Eng. Dept. of owner; I. C. Frickstad, Chief Draftsman.

Plans Being Figured.
CHAMBER OF COMMERCE BLDG. Cost, $8,000.
MODESTO, Stanislaus Co., Cal. California, Ninth and Eye Sts.
Chamber of Commerce Building.
Owner—Modesto Chamber of Commerce
Architects & Engineers — Wieland, Mazurette & Wieland, 1002 H St., Modesto.

Contract Awarded.
COMMUNITY BUILDING Cost, approx., $41,000
FORT BRAGG, Mendocino Co. Two-story frame community building (auditorium, swimming pool, etc.).
Owner—Fort Bragg Community Center Corp.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Dan Wagner, Call Bldg., San Francisco.
The heating contract will be awarded later.

Contract Awarded On a Percentage Basis.
CLUB BLDG. Cost, $35,000
LODI, San Joaquin Co., Cal.
Two-story frame club building.
Owner—Lodi Woman's Club.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
Contractor—Geo. Melville, Lodi.
NOTE:—Plans have been slightly revised.

Plans Being Figured.
AUDITORIUM BLDG. Cost, $——
HOLLYWOOD, Los Angeles Co., Cal. Hollywood Blvd., near La Brea Ave.
Brick auditorium bldg., 120x70, 1200 seats.
Owner—Hollywood Women's Club.
Architect—Walker & Eisen, 325 Pacific Finance Bldg., Los Angeles.

Figures to Be Taken Shortly.
MASONIC TEMPLE Cost, $80,000
SANTA MONICA, Los Angeles Co., Cal.
Two-story brick and terra cotta Masonic Temple, 83x150.
Owner—Masonic Temple Assn.
Architect — W. Asa Hudson, Beverly Dr. and Burton Way, Beverly Hills, Los Angeles.

RICHMOND, Contra Costa Co., Cal.—Richmond Odd Fellows' Hall Assn. is planning new lodge and store building; estimated to cost $150,000. The building will be three stories in height and will cover an area of 75 by 200 feet. Construction will not be started before 1922. Preliminary plans were prepared by Architect James T. Narbett, 910 Macdonald Ave., Richmond.

PORTLAND, Ore.—J. M. Dougan, Railway Exchange Bldg., Portland, at approximately $949,000 awarded contract to erect five and one-half-story steel frame, reinforced concrete (floors) and brick (walls) Elks' temple from plans of Architects Houghtaling and Dougan, Portland. Construction will be carried on by Portland Lodge No. 142, B. P. O. E.

PORTLAND, Ore.—W. W. Lucius, Architect and Engineer, Lewis Bldg., has been commissioned to prepare plans for the new home of the Italian Club at southeast Fourth and Madison streets. It will be two stories high, 50x100, and will cost $150,000.

MADERA, Madera Co., Cal.—Madera Lodge, I. O. O. F., is planning the construction of a two-story lodge and store building at Sixth and C streets. Preliminary plans for the structure have already been prepared.

FRESNO, Fresno Co., Cal.—Elks Lodge of Fresno has called a special meeting to consider the proposition of erecting a new fireproof six-story club building on a site adjoining the present structure on Tulare street. It is expected that an architect will be selected at this meeting and construction started early in 1922.

SAN JOSE, Santa Clara Co., Cal.—Commercial Club is considering the lease of new quarters, the present quarters being inadequate to accommodate the membership. A number of propositions have been offered the club, among which is the proposal to erect a new structure. Chas. F. Crothers is chairman of the committee in charge of housing the club.

HOSPITALS

Commissioned to Prepare Plans.
ALTERATIONS Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Alterations to Old Ladies' Home at County Infirmary.
Owner—County of Santa Clara, Henry A. Pfister, Clerk.
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose, Cal.

OAKLAND, Cal.—M. C. Vaughn, 357 12th St., Oakland, submitted the lowest bid to the Alameda County Supervisors for all labor and materials and mechanical workmanship required for the erection and partial completion of Ward Buildings Nos. 4, 6 and 8, and connecting corridors for Highland Hospital of Alameda County at 14th Ave. and Vallecito Pl., Oakland, Cal.; also certain partition work, etc., in Wards 1 and 2 and in Service Building.

Plans were prepared by Architect Henry H. Meyers, Kohl Bldg., S. F. Following is a complete list of the bids:

M. C. Vaughn	$480,000
K. E. Parker	492,700
R. McLeran & Co.	499,500
Dinwiddie Constr. Co.	499,500
Robert Trost	502,051
Clinton Constr. Co.	503,000

MARTINEZ, Contra Costa Co., Cal.—Picard & Edwards, 5656 College Ave., Oakland, submitted the lowest bid and was awarded the contract by the Contra Costa County Supervisors for installing boiler plant, steam distributing system and heating system in County Hospital at Martinez. Their bid was $8890 and was the lowest of five. Hunter & Hudson, Rialto Bldg., San Francisco, are the engineers.

SAN JOSE, Santa Clara Co., Cal.—Supervisors rejected all bids received on Oct. 3rd for painting the County Hospital buildings. The bids were as follows:

A. Mohr & Son (compressed oil)	$5578
J. A. Turgeon	6600
I. R. Kissel	6645
J. P. Jarman	7026
R. Zelinsky	7124
Zeb Knott	7400
Stone & Curry	7634
W. M. Hermann & Son	9980

Henry A. Pfister, County Clerk.

SANTA BARBARA, Santa Barbara Co., Cal.—Picard & Edwards, 5656 College Ave., Oakland, at $29,750 submitted low bid to the Supervisors for installing central heating plant, including installation of boilers, hot water tanks, conduits, manholes and radiation for the Santa Barbara General Hospital about three miles west of Santa Barbara. Other bidders were: Ott Hardware Co., Santa Barbara, $32,986; Thos. Haverty Co., 8th and Maple Sts., Los Angeles, $32,475. Bids taken under advisement until October 17.

HOTELS

LOS ANGELES, Cal. — Theodore F. Curtis, proprietor of the Curtis Hotel at Minneapolis, announces that he will erect a 2700-room hotel to cost $7,000,000 in Los Angeles. Mr. Curtis at one time contemplated the erection of a hotel at Sixth St. and Westlake Ave. and preliminary plans were prepared

Architect Harrison Albright, Laugna Bldg., Los Angeles.

ASTORIA, Ore.—Chamber of Commerce assisting to form corporation to ance construction of a $400,000 hotel 14th and Commercial Sts. Henry R. oefler, candy manufacturer, will subribe $25,000

POWER PLANTS

gures to Be Taken Shortly.
BSTATION Cost, $20,000
AKLAND, Alameda Co., Cal. Lake Tamescal, Claremont Dist.
eel frame and concrete substation.
vner—Pacific Gas & Electric Co.
chitect—Eng. Dept. of owner; I. C. Frickstadt, Chief Draftsman.
Figures will be taken for a general ntract.

gures to Be Taken Shortly.
BSTATION Cost, $20,000
ELROSE, Alameda Co., Cal. 50th Ave.
eel frame and concrete substation.
vner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
chitect—Eng. Dept. of owner; I. C. Frickstadt, Chief Draftsman.
Figures will be taken for a general ntract.

gures to Be Taken Shortly.
BSTATION Cost, $37,000
WARK, Alameda Co., Cal.
eel frame and reinforced concrete substation.
vner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
chitect—Eng. Dept. of owner; I. C. Frickstad, Chief Draftsman.
Segregated figures will be taken.

PASADENA, Los Angeles Co., Cal.—e Pacific Iron & Steel Co. was the west bidder at $4690 for the structral steel trusses, purlins, columns d I beams for the municipal electric ht plant at Glenarm St. and Raymond e., Pasadena. The Union Iron Works Los Angeles, bid $4892. The sheet tal bids were: Pacific Iron & Steel ., $3125; California Cornice Works, 388; Llewellyn Iron Works, $4347. oofing bids: H. W. Johns Manville ., $3537.15; Sash bids: Truscon Steel ., $595.

PUBLIC BUILDINGS

ds Opened and Taken Under Advisement.
TERATIONS Cost, $——
KLAND. Blk. bounded by 14th, 15th, Grove and Clay Sts.
tensive alterations to 4th, 5th and 6th floors of Class "A" City Hall; remove stairway, etc., from offices.
vner—City of Oakland.
chitect—Architectural Dept.
linde-Hostrawser $2301
M Barnett 2465
W. Maurice 2785

ntract Awarded.
ONCRETE BLDG. Cost, $4,380
CKSON, Amador Co., Calif.
nstruction of a reinforced concrete building.
vner—County of Amador, John R. Hunter, Clerk.
chitect—Geo. C. Sellon & Co., Milan Bldg., Sacramento.
ntractor — Campbell Construction Co., Sacramento, Cal.
Campbell Construction Co. submitted low bid.

Contract Awarded.
SERVICE STATION Cost $2354
SAN FRANCISCO. Fisherman's Wharf. Quarantine Service Station.
Owner—Board of State Harbor Commissioners.
Engineer—Frank G. White, Harbor Commission, Ferry Bldg., San Francisco.
Contractor—Cohn & Nordstrom, 110 Sutter St.
Other bidders were:
William Martin $2494
J. Pringle 2735
Alfred H. Vogt 2747
A. Wegner 2725
Vukicevich & Bagge..... 3190
Barrett & Hilp 2615
John Martin 2760
Nielson & Cavanaugh..... 2960

MARTINEZ, Contra Costa Co., Cal.—One bid received by Supervisors to install burglar alarm system in County Treasurer's office rejected. J. H. Wells, County Clerk.

MADERA, Madera Co., Cal.—City Trustees approve plans of Architects Swartz & Ryland, Rowell Bldg., Fresno, and a call for bids for constructing a new fire house and city hall will be issued shortly.

OAKLAND, Cal.—Until October 13, 12 M., bids will be received by Eugene K. Sturgis, City Clerk, for ventilation in the roof of the Civic Auditorium Building at Twelfth and Fallon streets. Certified check for 10% payable to city required with each bid. Specifications in file in office of clerk.

BAKERSFIELD, Kern Co., Cal.—MacRorie-McLaren Co., San Francisco, only bidders at $18,947.19 for laying out park improvements in East Side, awarded contract by City Council. R. H. Hubbard, City Engineer.

SAN ANDREAS, Calaveras Co., Cal.—Robt. L. Smith, West Point, only bidder, at $575 awarded contract by Supervisors to construct reinforced concrete jail at West Point.

RESIDENCES

Plans Being Figured.
RESIDENCE, ETC. Cost, $10,500
BERKELEY, Alameda Co., Cal. Cedar and Euclid Streets.
Two-story and basement frame and stucco residence and garage.
Owner—C. A. Kingsley.
Architect—W. H. Ratcliff, Jr., 1st National Bank Bldg., Berkeley.

Contract Awarded.
DWELLING Cost, $10,000
OAKLAND. N Rosemont Rd 225 W Northvale Walk.
Two-story 9-room frame dwelling.
Owner—C. E. Huddart, Berkeley.
Architect—None.
Contractor—John Carson, Syndicate Bldg., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $9,000
SAN FRANCISCO. St. Francis Wood.
One and one-half-story frame residence (7 rooms).
Owner—Mr. Thomas.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Plans will be ready for figures in about two weeks.

Plans Completed.
BUNGALOW Cost, $8,000
BURLINGAME, San Mateo Co., Cal.
Frame bungalow.
Owner—J. H. Hughes.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Contract Awarded.
RESIDENCE, ETC. Cost, $11,000
OAKLAND, Cal. N. Lakeshore Ave. 500 S. Grand.
Two-story frame 10-room residence and garage.
Owner—Dr. J. H. Stark, Dalziel Bldg., Oakland.
Architect—F. H. Slocomb, 1st Svgs. Bank Bldg., Oakland.
Contractor—Geo. W. Anderson, 286 Perry St., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $16,000 or more.
SANTA CRUZ, Santa Clara Co., Cal.
Two-story frame and stucco residence.
Owner—Name withheld.
Architect—C. W. McCall, Central Bank Bldg., Oakland.
Construction will not be started until Spring.

Plans Being Prepared.
RESIDENCE Cost, $15,000
PIEDMONT, Alameda Co., Cal.
Two-story frame residence.
Owner—Name withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Plans Being Figured.
BUNGALOW Cost, $4300
BERKELEY, Cal. Thousand Oaks.
One-story 5-room frame bungalow.
Owner—Noble Newson.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., San Francisco.
Figures are being taken for a general contract.

Segregated Figures Being Taken.
RESIDENCE, ETC. Cost, $16,000 to $17,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame, plaster and brick residence, 11 rooms and garage.
Owner—Dudley Dexter.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Plans Being Figured.
RESIDENCE Cost, $7000
SAN FRANCISCO. Plymouth Avenue near Montecito St.
One-story 7-room frame residence.
Owner—H. L. Heiss.
Architect—Miss Ida F. McCain, 318 Kearny St., San Francisco.

Plans Completed—Contract Awarded.
RESIDENCE Cost, $13,105.50
PIEDMONT. Alameda Co., Cal. Map Craig Property Lot 9.
Two-story frame residence.
Owner—S. J. Freudenthaul.
Architect—F. H. Slocombe, 1st Svgs. Bank Bldg., Oakland.
Contractor—Burritt & Shealey, 427 63rd St., Oakland.

Plans Completed.
RESIDENCE, ETC. Cost, $8,000
OAKLAND. E. Adams St. 270 S. Perkins.
Two-story 10-room frame residence and garage.
Owner—T. Anderson, 553 27th St., Oakland.
Architect—E. Field and F. H. Slocombe, 1st Svgs. Bank Bldg., Oakland.

Contract Awarded.
RESIDENCE ETC. Cost, $12,000 approximately.
BERKELEY, Alameda Co., Cal. Cedar and Euclid Streets.
Two-story and basement frame and stucco residence and garage.
Owner—C. A. Kingsley.
Architect—W. H. Ratcliff, Jr., 1st National Bank Bldg., Berkeley.
Contractor—S. J. Bertelsen, 667 39th St., Piedmont.

SCHOOLS

Contract Awarded.
SCHOOLS Cost, $2740
SANTA ROSA, Sonoma Co., Cal.
Two 1-room portable schools.
Owner—Santa Rosa School District, Sarah N. Hatch, Secretary.
Architect—Wm. Herbert, City Hall, Santa Rosa, Cal.
Contractor—F. C. Adams, Santa Rosa, Cal.
Other bidders were:
W. J. Meeker, Santa Rosa.....$2780
D. Dowine, Sebastopol 2884
F. C. Adams, Santa Rosa..... 2740
C. D. Roberts, Santa Rosa..... 3516
J. C. Lindsay, Santa Rosa..... 4138
Joe Piasecki, Tomales 3550

Contracts Awarded.
ADDITION Cost, $——
SACRAMENTO, Cal. Fruit Ridge School District.
Four-room and auditorium addition and alter present school.
Owner—Fruit Ridge School District.
Architect—R. A. Herold, 430 Forum Bldg., Sacramento.
General Contract awarded to W. C. Keating, Forum Bldg., Sacramento, $16,150.
Electrical, Plumbing and Heating awarded to Latourrette-Fical Co., Sacramento, at $3,995.

Contracts Awarded.
SCHOOL Cost, $——
SAN FRANCISCO. Crocker Amazon School on W Cordova Ave. bet. Prague and Winding Way.
Two-story frame and plaster school (9 rooms).
Owner—City & County of San Francisco.
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.
General Construction—G. P. W. Jensen, 320 Market St., $64,300.
Heating and Ventilating—J. M. Lettich, 185 Stevenson St., $3,147.
Plumbing—Andrew Holle, 2725 20th St., $5485.
Electric Work—F. E. Newbery Elec. Co., 165 Sutter St, $3549.

Commissioned to Prepare Plans.
PAROCHIAL SCHOOL Cost, $75,000
SANTA CLARA, Santa Clarali, opp. Notre Dame Convent.
Two-story reinforced concrete parochial school.
Owner—St. Clarre Parochial School (Father H. Gallagher).
Architect—John J. Donovan, Pacific Bldg., Oakland.

Commissioned to Prepare Plans.
COLLEGE BLDGS. Cost, $200,000 ea.
SANTA CLARA, Santa Clara Co., Cal.
Two 3-story reinforced concrete college buildings.
Owner — Santa Clara University (Father Crowley, vice-pres.).
Architect—John J. Donovan, Pacific Bldg., Oakland.

Plans Being Prepared.
DORMITORY, ETC. Cost, $——
LOS ANGELES, Cal. Vermont and Melrose Avenues.
Three-story and basement brick dormitory also a chapel and music hall.
Owner—Calif. School of Christianity.
Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans Being Figured—Bids Close Oct. 18, 1921, 12 o'clock noon.
SCHOOL BLDGS. Cost, $——
LA VERNE, Los Angeles Co., Cal.
Two 4-room reinforced concrete school buildings.
Owner—La Verne School District.
Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Bids will be taken separately on the general contract, plumbing, painting, heating and ventilating.

Plans to Be Ready for Figures in a Few Days.
SCHOOL Cost, $125,000
OAKLAND, Alameda Co., Cal. Lockwood School Site.
One and two-story frame school building.
Owner—City of Oakland Board of Education.
Architect—Construction Department of Board of Education, 359 12th St., Oakland.

Figures to be Taken Shortly.
SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. Alex. Hamilton Jr. High School Site.
Large school.
Owner—Oakland Board of Education.
Architect—Washington J. Miller, 417 Market St., San Francisco.
The Building Construction Department of the Board of Education, 359 12th St., Oakland, expects to have the plans out for figures within a week.

Plans Being Figured.
SCHOOL Cost, $50,000
SOQUEL, Santa Clara Co., Cal.
One-story reinforced concrete school building with tile roof.
Owner—Soquel Union Grammar School District.
Architect—Wm. H. Weeks, 369 Pine St., San Francisco.
Bids will be opened about November 1st. Plans may be obtained from the architect's office.

Plans Being Figured—Bids Close Oct. 14, 1921, 7:30 P. M.
SCHOOL. Cost, $——
TAFT, Kern Co., Cal.
One-story frame and brick four-room addition to school building.
Owner—Taft Union High School Dist.
Architect — Orville L. Clark, Brower Bldg., Bakersfield.

SANTA ROSA, Sonoma Co., Cal.—J. C. Sholz, Santa Rosa, at $490 submits only bid to Santa Rosa School District to construct brick wall for fireproofing boiler room in high school. Bid rejected and work ordered re-advertised. Wm. Herbert, City Hall, architect.

BEAUMONT, Riverside Co., Cal.—Cresmer Manufacturing Co. of Riverside submitted the lowest bid at about $46,000 for erecting a new high school building at Beaumont, Riversile Co. for Beaumont School District. The Trustees state that the bids are in excess of the funds available and that the plans will be revised and new bids taken. Witmer & Watson, Wright & Callender Bldg., Los Angeles, is the architects.

PROBERTA, Tehama Co., Cal.—The following bids were received on September 30th by the Trustees of the Flores School District for the construction of a concrete school building; plans were prepared by Architect Jas. H. Hoose, Graves Bldg., Chico; contract will be awarded this week:

Polk & Kerr, Chico: General contract, $9442; alternate: A, deduct $40; B, add $96; C, add $154; D, add $588; E, add $104.

White & Shalz: General contract, $9068; alternate, A, deduct $40; B, add $110; C, add $140; D, add $535; E, add $90.

J. L. Webster, Chico: General contract, $8944; alternate, A, —; B, add $120; C, add $194; D, —; E, add $84.

Hart Construction Co., Gerber, Cal.: General contract, $8140; alternate, A, add $88; B, add $88; C, add $140; D, add $525; E, add $100.

R. B. McKenzie, Gerber: General contract, $7786; alternate, A, deduct $40; B, add $135; C, add $45; D, add $656; E, add $100.

OLYMPIA, Wash.—Architects Wohleb, Stanley & Walker, Denny Bldg., Seattle, completing plans for two-story mill construction grade school to be erected in Olympia. Estimated cost, $140,000. Figures will be asked shortly.

NAPA, Napa Co., Cal.—The following bids were received on October 3rd by the Trustees of the Napa School District for the construction of a new Grammar School Building from plans perpared by Architect W. H. Weeks, 369 Pine St., San Francisco. All bids were taken under advisement.

General Contract

Mahony Bros., Flood Bldg., San Francisco (low).....$153,978
(1) $2,320; (2) $1,200; (3) $2,000; (4) $900; (5) $1,200; (6) $——; (7) $500, (8) $300; (9) $1,200.
G. P. W. —Jensen, 320 Market St., San Francisco.....$154,700
(1) add $2,150; (2) add $1,000; (3) add $2,500; (4) add $870; (5) add $800; (6) deduct $800; (7) add $450; (8) add $230; (9) add $850.
Larsen & Siegrist, S. F. $154,775
(1) $1,500; (2) $1,100; (3) $1,850; (4) $571; (5) $750; (6) $850; (7) $475; (8) $230; (9) $900.
Robert Trost, San Francisco..$157,480
(1) $2,000; (2) $1,120; (3) $1,850; (4) $750; (5) $900; (6) $600; (7) $500; (8) $225; (9) $750.
C. L. Wold, San Francisco....$158,862
(1) $1,660; (2) $1,232; (3) $2,200; (4) $1,250; (5) $880; (6) $935; (7) $659; (8) $——; (9) $676.
M. C. Vaughn, Oakland.....$160,000
(1) $1,500; (2) $1,120; (3) $2,270; (4) $1,200; (5) $800; (6) $800; (7) $480; (8) $225; (9 $950.
J. S. Sampson, San Francisco..$160,989
(1) $1,300; (2) $1,275; (3) $1,900; (4) $1,500; (5) $800; (6) $800; (7) $470; (8) $230; (9) $525.
Collman & Spiedel, S. F.....$168,000
(1) $1,855; (2) $1,190; (3) $2,000; (4) $——; (5) $1,000; (6) $825; (7) $485; (8) $240; (9 $——.
Chas. Stockholm & Son, S. F...$168,729
(1) $1,500; (2) $1,275; (3) $1,200; (4) $700; (5) $800; (6) $800; (7) $492; (8) $205; (9) $1,200.
Hayes-Oser Co., S. F.....$170,000
(1) $1,475; (2) $1,120; (3) $1,405; (4) $937; (5) $800; (6) $800; (7) $420; (8) $120; (9) $700.
Cobby & Owsley, S. F.....$164,700

Heating and Ventilating

Carl T. Doell, Oakland (1) $6,997; (2) add $868; (3) $11,913; (4) $882.
Frank J. Klimm, S. F. (1) $7,980; (2) $1,089; (3) $15,522; (4) $1,249.
Scott Co. (1) $8,300; (2) $780; (3) $14,-960; (4) $870.
L. T. Lubin and A. J. Hawley, Sacramento (1) $8,827; (2) $945; (3) $15,950; (4) $1,050.
H. Schwartz (1) $9,735; (2) $960; (3) $——; (4) $——.
W H. Young (1) $9,290; (2) $1,084.65; (3) $17,255; (4) $1,246.65.

Vacuum Cleaning Plant

Frank J. Klimm $1,458
Tuec Vacuum Co..... 989

Program Clocks

Standard Elec. Time Co., S. F....$1,055
International Time Recording Co. 1,100
Pacific Electric Clock Co..... 1,100

BERKELEY, Alameda Co., Cal.—Until Oct. 18, 4 p. m., bids will be received by Clyde E. Blanchard, acting secretary, Board of Education, 2133 Allston Way, for fur. and del. school furniture and equipment for Berkeley High School at Allston Way and Grove St. Cert. check 10% payable to Berkeley Board of Education required with each bid. Spec. on file in office of secretary.

PASADENA, Los Angeles Co., Cal.—Reinhardt, Matston & Van Pelt, 600 Commerce Bldg., Pasadena, have been instructed by the Pasadena Board of Education to prepare plans for a new school building to replace the wooden structure at the Indiana Avenue school. Size, cost and character of construction undetermined. This is the first assignment under the provisions of the $750,000 bonds recently voted and sold.

SEATTLE, Wash. — Western Construction Co., Seaboard Bldg., at $62,-[illegible] contract to erect one-story frame and brick Brighton school [illegible] Ave. and Holly St. F. A. Naramore, City School Architect.

SEATTLE, Wash.—F. A. Naramore, City School Architect, preparing plans for first unit of East Side high school; estimated cost, $650,000; will be located in 28th Ave. bet. Jefferson and Alder Sts. and will be 3 stories in height of rein. concr., brick and steel.

Plans also ordered for Ravenna grade school in East 68th St.; will be 2-story and base., concrete, brick and frame; estimated cost $145,000.

Bids will be asked shortly for constructing John Hay grade school in [illegible] St.; will contain 9 classrooms; estimated cost, $112,000.

HEMET, Riverside Co., Cal.—The trustees of Hemet Union High School district are asking for bids for equipment, tools and supplies for wood shop, [illegible] and automobile and cement work.

SAN JOSE, Santa Clara Co., Cal.—The following bids were received on October 3rd by the San Jose Board of Education for the completion of heating system of the west wing of San Jose High School. Plans were prepared by Leland & Haley, engineers, 1 Sutter St., San Francisco:

	(1)	(2)
J. Enright	$260.00	$235.00
[illegible] & Howard	555.00	.....
[illegible] Studer	650.00	600.00
[illegible] Nelson	699.00	344.00
J. Pascoe	735.55	685.50

The contract was awarded to P. J. Enright, 2720 McAllister St., San Francisco.

WILLITS, Mendocino Co., Cal.—The following bids were received on Oct. 1921, by the Trustees of the Willits Union School District for the construction of a one-story reinforced concrete school building. Plans were prepared by Architect Norman R. Sutter, 16 Kearny street, San Francisco. All bids were taken under advisement. The lowest was submitted by [illegible] Morton, Balboa Bldg., San Francisco.

[illegible] Morton	$39,400
[illegible] & Cravens	42,860
[illegible] Constr. Co.	44,950
[illegible]	47,360
[illegible] & Lee	48,689

DOWNEY, Los Angeles Co., Cal.—J. [illegible] E. Alexander St., Long Beach, has been awarded the general contract at $92,366 for erecting a group of reinforced concrete high school bldgs. in Downey in accordance with plans and spec. prepared by Architects [illegible] C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, and W. Horace [illegible] Bldg., Long Beach. The contract was [illegible] on the basis of a bid of $97,973 with a deduction of $5607 for omitting [illegible]. The plumbing contract has been awarded to E. A. Zoun [illegible]. No action has been taken on the bids for painting, wiring, heating and clock system.

EAGLE ROCK, Los Angeles Co., Cal.—Farley & Farley, 502 N. Verdugo Ave., Burbank, were the lowest bidders at $31,858 for the Central school, East school and West school additions to the Central school unit in Eagle Rock. John C. Austin, 1119-25 Baker-Detwiler Bldg., Los Angeles, is the architect. Bids taken under advisement for one week.

There will be a new three-room building at the Central school site and a one-room addition at the West End and East End school sites. Frame and plaster construction, shingle roofs, pine trim, beech floors and gas heating.

CALWA, Fresno Co., Cal.—Until Oct. 20, 4 P. M., bids will be received by Ben H. Bon, Clerk, Calwa School District, for furnishing and installing 32 ft. by 12 ft. folding partition for school auditorium.

STOCKTON, San Joaquin Co., Cal.—Perry Bros. of Stockton have been awarded a contract at $1750 by the Trustees of the Everett School District for plastering the new Everett School. Plans were prepared by Architect C. H. Young, 903 Commercial & Savings Bank Bldg., Stockton.

STOCKTON, San Joaquin Co., Cal.—The following is a list of the lowest bids received by the Trustees of The Summer Home School District for the construction of a one-story brick school. Plans were prepared by Architect C. H. Young, Commercial and Savings Bank Bldg., Stockton. All bids were taken under advisement:

1. Carpentering, labor, lumber and millwork. W. J. Scott, $4600.
2. Excavating, concrete, tile and brick work, J. W. Basinger, $2258.
3. Plastering, Perry Bros., Stockton, $1081.
4. Painting and tinting, Garrow & Capp, $541.70.
6. Plumbing and sheet metal work, Miller-Hays Co., Stockton, $979.
7. Electrical work, Electric Supply Co., $235.
8. Roofing, Simpson-Gray Lumber Co., Stockton, $395.

CHICO, Butte Co., Cal.—Until Oct. 20, 7:30 P. M., bids will be received by Chas. H. Camper, Clerk, Chico High School District, for rough grading of the high school grounds. Certified check for 10% payable to Board of Trustees of District required with each bid. Specifications may be had from the architects, Woollett & Lamb, Hagelstein Bldg., Sacramento.

STORES AND OFFICES

Low Bidder.
MARKET BLDG. Cost, $——
OAKLAND, Cal. Fourth St. 25 E. Franklin.
One-story hollow tile market building.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
John Perona, 570 7th St., Oakland, submitted the lowest bid at $5621.

General Contract Awarded.
FOUNDATION Cost, $55,210
SANTA ROSA, Sonoma Co., Cal. 4th St. and Mendocino Ave.
Five-story Class A reinforced concrete department store and office building.
Owner—Max Rosenberg.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—W. L. Proctor, Santa Rosa.

Bids Wanted for Tiling.
ADDITION Cost, $300,000
SAN FRANCISCO. NE Mission and New Montgomery Sts.
Three-story Class A addition to present two-story building, also a one-story super-structure on roof.
Owner—Schwenberg Metzger & Aronson, Merchants' Exchange Bldg., San Francisco.
Lessee—Associated Oil Company.
Architect — Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Engineer—C. H. Snyder, 251 Kearny St., San Francisco.
Bids are now being taken for the tiling for the light courts. Plumbing bids will be taken in about a week.
The metal lathing and furring for the exterior walls has been awarded to The National Lathing Co., Monadnock Bldg., at $7790.

Plans Being Prepared.
STORE, OFFICE BLDG Cost, $100,000
LOS ANGELES, Cal. Hollywood Blvd. near Western Ave.
Two-story brick store and Office bldg., 100x150.
Owner—Name withheld.
Architect & Contractor—The R. R. Edwards Bldg. Co., 150 S. Western Ave., Los Angeles.

Plans Being Prepared — Contract Awarded.
OFFICE BLDG. Cost, $——
SAN FRANCISCO. SE Montgomery & Bush.
Two or 3-story reinforced concrete office building.
Owner—Dunn-Williams & Co.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

Plans Being Figured—Bids Close Noon, Oct. 6, 1921.
STORE BLDG. Cost, $8000
SAN FRANCISCO. S. Pine E. Jones.
One-story frame and stucco store building (6 stores).
Owner—Rocca Bros.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Completed Plans — Figures to Be Taken Shortly.
ADDITION Cost, $75,000
SAN FRANCISCO. NW Powell and Sutter Sts.
One-story Class "A" addition to present 8-story office building.
Owner—Morris Meyerfield.
Architects—Meyer & Johnson, Bankers' Investment Bldg.

Contract Awarded.
STORE, ETC. Cost, $10,000
SAN FRANCISCO. S. Bush 68-9 W Taylor.
One-story and basement brick store and 2 apts.
Owner—F. L. Larsen, 658 Bush St., San Francisco.
Architect—Not given.
Contractor—Larsen-Siegrist Co., 805 Claus Spreckels Bldg., San Francisco.

Preliminary Plans Prepared.
STORE & LOFT BLDG. Cost, $——
LOS ANGELES, Cal. SW Los Angeles and Winston Sts.
Three-story brick store and loft building, 50x60.
Owner — Harry E. Jones, 1744 Sierra Bonita St., Los Angeles.
Architects—Train & Williams, 226 Western Mutual Life Bldg., Los Angeles.

Plans Being Prepared.
MARKET, ETC. Cost, $40,000
BERKELEY. NE Shattuck Ave. and Allston Way.
One-story reinforced concrete market [illegible]
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

(Continued on Page 14)

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

LOS ANGELES, Cal.—Until 11 a. m., Oct. 24, bids will be received by Supervisors of Los Angeles County for constructing a reinf. concr. bridge, girder type, consisting of three 54-ft. spans, with piers and abutments on wooden piles, on Workman-Mills road over San Jose Creek. Cert. check for 10%.

LOS ANGELES, Cal.—Plans are being prepared by County Bridge Engineer Armstrong for a reinf. concr. bridge over Alamitos Bay on the Coast State Highway. The bridge will be 500 ft. long. It will be built by the county. Plans and specifications must be sent to Washington for approval.

EL CENTRO, Imperial Co., Cal.—Bids will be called for at once by Supervisors for constructing three bridges across washes on the Salton Sea highway.

WHITTIER, Los Angeles Co., Cal.—Until 7:30 P. M., October 17, new bids will be received by City Clerk Clarence O. Trueblood for furnishing all labor and materials for drilling a well near San Gabriel river; Specifications 45, on file in office of city engineer. Bids received Sept. 26 were rejected as too high. They are: California Drilling Co., $4955.72; Roscoe Moss Co., $5225 and Saunders Bros., $5470.

SANTA ROSA, Sonoma Co., Cal.—R. Press Smith, County Engineer, instructed to repair seventeen bridges in various parts of the county.

CHICO, Butte Co., Cal.—Butte Creek Drainage District appoints Engineers J. D. Peters and J. M. Howells to prepare estimates of cost for widening the Butte Canal.

PORTLAND, Ore.—U. S. Construction Co., Portland, submits low bid at $37,509 to County Commissioners for constructing approach to east end Madison St. bridge, under Prop. 1 (county specifications), and A. Guthrie Co., Portland, under Prop. 2 (city specifications), at $37,738. Taken under advisement. Project involves: 16,450 lin. ft. fir piling; 533,630 M. B. lumber; 3,533 sq. yds. asph. concr. pavement.

WALLA WALLA, Wash.—Until Oct. 14, 2 p. m., bids will be received by the Benton-Franklin Intercounty Bridge Co., T. O. Webster, secretary, Grand Hotel, Walla Walla, for fur. labor and materials for constructing bridge over Columbia River bet. Benton and Franklin Counties; estimated cost, $400,000. The structure will be known as the Pasco-Kennewick bridge. It will be a steel and frame structure 3236 feet long. There will be two steel spans, each 252 feet long; a cantilever span consisting of two anchor arms each 125 feet long. There will also be a suspended span 140 feet long. The steel spans will total a length of 1410 feet. The remainder of the structure, being approaches, will be of timber construction. Plans may be had from the secretary or from the offices of the Union Bridge Co., Seattle.

SONORA, Tuolumne Co., Cal.—M. F. Swerer, Jamestown, at $980 awarded contract by Supervisors to construct rein. concr. bridge over Mormon Creek at Charles Wight place, Road Dist. No. 2. Other bidders, Jenkins & Elton, Sacramento, $950; Davidson & Bicolsen, San Francisco, $1800. Estimate of County Engineer Robt. Thom, $925.

Swerer also awarded contract at $3875 for reinf. concr. girder bridge over Turnback Creek, Road Dist. No. 3. Other bidders: Jenkins & Elton, $4180; Davidson & Nicolsen, $5580. Engineer's estimate, $3500.

Swerer, at $6624, awarded contract for reinf. concr. girder bridge over Curtis Creek, Road Dist. No. 3. Other bidders, Jenkins & Elton, $7113; Davidson & Nicolsen, $8000. Engineer's estimate, $7100.

EL CENTRO, Imperial Co., Cal.—Until 2 p. m., Oct. 17, bids will be received by Supervisors of Imperial County for constructing three bridges, one over Salt Wash, one over Campbell Wash and one over Tule Wash. Plans and spec. on file in office of County Clerk. Cert. check for 5%.

OCEAN PARK, Cal.—Announcement is made by Chas. J. Lick, owner of the Great Western Pier at Ocean Park, that it will be extended 640 ft. into the ocean, with a width of 325 ft. A roller coaster, dance hall and various amusement devices will be built on the pier.

HOLLISTER, San Benito Co., Cal.—E. H. Martin, Syndicate Bldg., Oakland, only bidder at $3,500 awarded contract by Supervisors to construct 52-ft. pony riveted span bridge upon concrete abutments over Tres Pinos Creek about 32 miles SE of Hollister. Unit bid is: structural steel in place, $.093 lb.; reinf. rods in place, $.06 lb.; excavation, $3 cu. yd.; refill or fill, $1 cu. yd.; Class A concrete $25, Class C $22 cu. yd. Engineer's estimate, $2,700.

W. A. Dontanville, Hollister, at $2,944 awarded contract to construct deck concrete girder bridge, 24-ft. span with 20-ft. roadway; about 6 miles northeast of Hollister. Unit bid: (a) reinforcing rods in place, $.05 lb.; (b) excavation, $1 cu. yd; (c) refill or fill, $1 cu. yd; (d) concrete Class A $20.53 cu. yd.; (e) Class B, $20.53; (f) Class C, no bid. E. H. Martin, Oakland, submitted only other bid at (a) $.06; (b) $2.50; (c) $1; (d) $28; (e) $25; (f) $20. Estimate of County Engineer W. A. Winn, $3,500.

Engineers and Contractors
PLEASE NOTE

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Milburn Carbide Flare Lights
in candlepower from 50 to 12,000

Milburn Oxy-Acetylene Welding and Cutting Apparatus

All Safety Appliances
As Required by Accident Commission

E. D. BULLARD
Distributor for
Alexander Milburn Co.
268 Market St., San Francisco
Phone Douglas 1118

OAKLAND, Cal.—Supervisors will spend $6000 in repairing the Park St. bridge across the estuary. P. A. Havilland, County Surveyor.

NAPA, Napa Co., Cal.—Bordwell & Zimmerman, Calistoga, at $12,515 awarded contract by Supervisors to construct reinf. concr. bridge across Napa River at the foot of Pratt Ave. on the Sanitarium road. Other bidders: G. L. Lisher, $15,685; Davison & Nicolsen, $20,509; Harry Thorsen, $15,925; Simon Lenz & Son, $15,130.75. Edw. P. Ball, County Surveyor.

SAN JOSE, Santa Clara Co., Cal.—Herschbach & Sciarrino, 560 Park St., San Jose, at $3124 awarded contract by supervisors to construct reinforced concr. bridge at Hillsdale Ave., Super. Dist. No. 4. Other bidders: Wm. Martin, $3289; John T. Williams, $3535. Estimate of County Engineer Irving Ryder, $3775.

FRESNO, Fresno Co., Cal.—Until Oct. 28 bids will be received by Supervisors for constructing six reinforced concrete bridges on highway route running directly south to the Kings County line. Chris. P. Jensen, County Surveyor.

REDWOOD CITY, San Mateo Co., Cal.— County Engineer George Kneese instructed by Supervisors to submit report for proposed bridge "across the south arm of San Francisco Bay, at or near Dumbarton point and near and to the south of the present railroad bridge of the S. P. Co., which bridge would have its western terminal in the County of San Mateo near Cooley Landing and its eastern terminal in the County of Alameda, near the town of Newark."

NEWPORT BEACH, Cal.—W. M. Ledbetter & Co., Pacific Electric Bldg., Los Angeles, awarded contract at $17,600 for constructing a wooden wharf from the end of Main St. into the ocean and the contract at $3115 for a wooden wharf at the end of Washington St. on the bay front. The ocean wharf will be 800 ft. long and 20 ft. wide with a "T" end, 60x20 ft. Piles will be driven to a penetration of 15 ft. and at the outer end of the wharf will be 62 ft. long. The wharf on the bay will be 100x16 ft., with a gang plank and pontoon. Other bids received by City Trustees were: Edgar T. Wheeler Co., Los Angeles, $17,931 for ocean wharf and $3500 for bay wharf; Mercereau Bridge & Constr. Co., $18,300 and $3400; S. M. Kerns, Long Beach, $19,900 and $4150. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, City Engineer.

STOCKTON, San Joaquin Co., Cal.—County Engineer F. E. Quail estimates levee improvements at the junction of Mormon channel and the diverting canal will cost $10,000. On the right bank of the canal and channel there will be 800 feet of levee work and 4800 feet on the left bank of Mormon channel.

(Continued on Page 15)

Official Proposals

BIDS WANTED FOR METAL BOOK STACKS

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., August 23, 1921.—SEALED PROPOSALS will be received at this office until 3 p. m., October 18, 1921, and then opened, for metal book stacks installed in place in the United States Post Office, Custom House and Court House at Honolulu, T. H. Drawings and specifications may be obtained from the Superintendent of Construction of the building at Honolulu, Hawaii, from J. W. Roberts, Supervising Superintendent of Construction, Room 403 Post Office and Court House, San Francisco, California, or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR REPAIRS TO SANITORIUM

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept. 20, 1921.—SEALED PROPOSALS will be opened in this office at 3 p. m., October 19, 1921, for repairs at Fort Stanton, N. M., Sanitorium, in accordance with the specification, copies of which may be had at this office or at the office of the Custodian U. S. Sanitorium, Fort Stanton, N. M., in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR INFIRMARY BUILDINGS, HEATING SYSTEM, ETC.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept. 29, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., October 31, 1921, for the construction (except mechanical equipment) of an Infirmary Group (3 buildings), and for extensions to the heating, power, and refrigerating plants, for the United States Public Health Service Hospital, at Fort Bayard, N. Mex. Drawings and specifications may be obtained from the Superintendent of Construction at Fort Bayard, New Mexico, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR OFFICERS' QUARTERS, ETC.

INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 30, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., November 2, 1921, for the construction complete (except mechanical equipment) of two semi-ambulant quarters, four double quarters for Officers, one double quarters for 1st class Personnel, and [illegible] quarters for married Attendants for the United States Public Health Service Hospital No. 50, at Whipple Barracks, Prescott, Arizona. Drawings and specifications may be obtained at this office or from the Superintendent of Construction at Whipple Barracks, Prescott, Arizona, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 17th, 1921,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Lassen County, between the Westerly City Boundary and Pine Street in Susanville (II-Las-29-B), about 0.2 miles in length, to be graded.

Tuolumne County, between Westerly Boundary and one mile North of Keystone (III-Tuo-13-A), about 9.4 miles in length, to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary

Dated September 19, 1921.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 31st, 1921,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made.

(1) Work incidental to the State Highway as follows: Glenn County near Orland (III Gle-7-C) consisting of the construction of pile and wire dikes and the planting of willow cuttings for the protection of Stony Creek bridge.

(2) Portions of State Highway as follows: San Joaquin County, between 1.3 miles east of Clements and Easterly Boundary (III-SJ 24-A), about 4.3 miles in length to be graded.

San Luis Obispo County, across Huasna Creek and Alamo Creek, (V-S. L. O.-57-A), two bridges as follows: Across Huasna Creek a bridge consisting of two steel spans of 100 feet each, with reinforced concrete girder approach spans; across Alamo creek a bridge consisting of two steel spans of 100 feet each.

Los Angeles County, between Las Flores Canon and Santa Monica (VII-L. A.-60-B), about 7.4 miles in length to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

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The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
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California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

BIDS WANTED FOR UNIVERSITY BUILDING

PROPOSAL FOR BIDS

SEALED BIDS will be received at the office of the Comptroller, University of California, Berkeley, California, at or before **9 A. M., Monday, October 17, 1921,** for Concrete Work, Tile and Brick Work, Plumbing Work, Heating Work, and Electric Work for the Student Union Building on the grounds of the University of California at Berkeley.

Plans and specifications may be obtained at the office of John Galen Howard, Architect, 502 First National Bank Building, San Francisco, upon deposit of $50 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications in good condition and accompanied by a regular bid for the work. No bids will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid, to secure the execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA.

BIDS WANTED FOR SCHOOL BUILDING

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received and opened by the Board of Trustees of the Soquel Union Grammar School District, Santa Cruz County, California, up to 8 **o'clock P. M. on the 1st day of November, 1921,** at Public Library, Soquel, Cal., for the erection and completion of a concrete school building to be known as the Soquel Union Grammar School, in the Town of Soquel, Santa Cruz County, California, all in accordance with plans and specifications made for the same by W. H.

Weeks, the authorized architect employed by the Board.

Bids will be received as follows:

(1) The General Contract, together with alternate propositions.

(2) The Heating System.

Plans and specifications may be seen at the office of the architect, W. H. Weeks, 369 Pine Street, San Francisco, California, during business hours, and at the office of Collins & Byrne, New Theater Building, Santa Cruz, Cal.

On a deposit of Twenty ($20.00) Dollars complete sets of said plans and specifications may be had by any prospective bidder. If not returned by the time bids are received or if mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made on proposal blanks obtained at the office of the architect and to be signed by the bidder, accompanied by a certified check for at least ten per cent (10 per cent) of the amount of the bid or proposal, certified to by some responsible bank and made payable to Jos. J. Young, Clerk of the Board of Trustees of the Soquel Union Grammar School District, to be retained by said School District as liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into contract after the award, or to give bonds required for the faithful performance of the contract or any bond required by law.

The Board reserves the right to reject any and all bids.

JOS. J. YOUNG,
W. H. OLIVER,
G. A. MORGAN,
W. R. JONES,
E. R. RICE.

BIDS WANTED FOR SCHOOL ADDITION

NOTICE TO CONTRACTORS AND BUILDERS

SAN JOSE, Santa Clara Co., Cal.—Notice is hereby given that bids will be received by the Trustees of the Burnett School District **up to eight o'clock P. M., Tuesday, October the 18th, 1921,** at the Burnett School House for the erection and completion of a three-room school building and the alteration of the present school building. Each bid must be accompanied by a certified check of ten per cent of the amount of the bid. Said check to be payable to P. A. Walsh, Clerk. The Trustees reserve the right to reject any and all bids. By order of the Board of Trustees of the Burnett School District.

P. A. WALSH,
Clerk.
NELLIE KIRBY,
PETER RAGGIO.

STORES AND OFFICES

(Continued from Page 11)

Contract Awarded.
MARKET BLDG. Cost, $——
OAKLAND, Cal. Fourth Street 25 E Franklin.
One-story hollow tile market building.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—John Perona, 570 7th St., Oakland.

Plans Completed.
ALTERATIONS, ETC. Cost, $15,000
SAN FRANCISCO. SE 5th and Market Sts.
Alterations and repairs for medical offices.
Owner—Hinz & Landt Co., Premises.
Architect—Will R. Toepke, 942 Market St., San Francisco.

Plans Completed.
AUTOMOBILE BLDGS. Cost, $——
LOS ANGELES, Cal. No. 1353-69 S-Figueroa St., 206x503.
Group of fireproof automobile buildings
Owner—Unger & Watson of the Stewart Products Service Station, 1366 S-Figueroa St., Los Angeles.
Architect & Contractor — Milwaukee Bldg. Co., Wright & Callender Bldg Los Angeles.

FRESNO, Fresno Co., Cal.—R. F. Felchlin Co., Bank of Italy Bldg., Fresno, have prepared plans for three additional stories to be added to the one-story and basement building being erected on J street for the Wallace Estate. It is to be occupied by the Wonder store.

THEATRES

Plans Being Prepared.
THEATRE, ETC. Cost, $50,000
LOS ANGELES, Cal. SW Eighth St. and Vermont Ave.
One-story brick theatre and store building, 100x150 (900 seats, 11 stores).
Owner—H. W. Chotiner.
Architects—Walker & Eisen, 325 Pacific Finance Bldg., Los Angeles.

Plans to Be Prepared.
THEATRE BLDG. Cost, $150,00
WATSONVILLE, Santa Cruz Co., Cal.
Class "A" theatre building.
Owner—Company formed by publi subscription, headed by Warre Porter, E. E. Pfingst et al.).
Architect—G. Albert Lansburgh, 70 Mission St., San Francisco.
Lessee—A. C. Blumenthal and associates.

Plans Completed.
THEATRE, OFFICE, STORE BLDG. Cost, $——.
BELL, Los Angeles Co., Cal.
Two-story brick theatre, office an store building, 50x140.
Owner—Dr. T. J. De Vaught and J. V Spaugh.
Architect — J. T. Zeller, 216 Currie Bldg., Los Angeles.

Plans Being Figured.
THEATRE BLDG. Cost, $25,00
BREA, Orange Co., Cal
Reinforced concrete theatre bldg, 50x 122.
Owner—Culp & Sexton.
Architect—Jeffery & Schaefer, 110 Kerckhoff Bldg., Los Angeles.

To Resume Construction Immediately
OFFICE AND THEATRE BLDG. Cost $1,500,000 or more.
SAN FRANCISCO. Market and Taylor Streets.
Eight-story Class "A" office, store and theatre building, 187x152x27 (Loew's Metropolitan Theatre).
Owner—Loew's Incorporated.
Architect — G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St.

Sub-Figures Being Taken.
THEATRE Cost, $100,000
SAN FRANCISCO. Mission St. between Brazil and Persia Ave.
Class A theatre (1100 seats).
Owner—R. A. McNeill, W. G. Bailey & R. E. Baines (Excelsior Amusement Co.).
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Bids for the concrete work are in.

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BRIDGES, DAMS & HARBOR WORK

(Continued from Page 12)

SAN BERNARDINO, Cal.—James McNair Paving Co., 133 I St., San Bernardino, was awarded the contract at $58,494 for constructing a reinf. concr. arch bridge, consisting of three 50-ft. spans 60 ft. wide over Lytle Creek on Mt. Vernon Ave. Other bids received by City Trustees were: H. G. Klusemann, San Bernardino, $62,425; W. M. Ledbetter & Co., Los Angeles, $64,964; Mercerau Bridge & Const. Co., $68,500; Edgar T. Wheeler Co., Los Angeles, $69,480; Sharp & Fellows Contr. Co., $72,950; Wattson & Hunter, Los Angeles, $74,990; deWanard & Cobham, San Diego, $76,590; The Foundation Co., $92,756; engineer's esti., $65,000. C. E. Johnson, City Engineer.

MERCED, Merced Co., Cal.—Nate Lovelace, Visalia, at $3284 awarded contract by Supervisors to construct reinf. concr. bridge No .88 over Dry Creek north of Snelling.

E. K. Angle of Dos Palos at $2400 awarded contract for reinf. concr. bridge No. 90 over Deadman's Creek on Merced-Chowchilla highway.

W. H. Widenmann of Merced at $5592 low bidder for wood brige No. 91 across San Joaquin River near Turner ranch. Taken under advisement. A. E. Cowell, County Surveyor.

SACRAMENTO, Cal.—Following bids received and taken under advisement until Oct. 26 by Supervisors for constructing Deer Creek bridge on Wilson School Road near Zanor ranch: R. J. Tumelty, 333 East Market street, Stockton, (a) lumber in place per M ft. B. M.: $94; (b) excavation, $1 cu. yd.; (c) fill, $1 cu. yd.; (d) concrete in place, $20 cu. yd.

J. Holdener Construction Co., 2310 J St., Sacramento: (a) lump sum, $3,-[illegible]00; (b) $80, (c) $[illegible], (d) $12.60.

Jenkins & Elton, 36th and Y Sts., Sacramento, complete, $2,868; additional rubble concrete, $12 cu. yd.; less rubble concrete, deduct $7 cu. yd.; add excavation, $2 cu. yd.; less excavation, deduct $.80 cu. yd. Drury Butler, County Engineer.

SACRAMENTO, Cal.—Jenkins & Elton, 36th and Y Sts., Sacramento, at $3,943 awarded contract by Supervisors to construct timber trestle on Dutch Flat road near Lambert Station. Other bidders: I. B. Eldred, Walnut Grove, $4,680; R. C. Tumelty, 333 E. Market St., Stockton, lumber $89 per M ft. B. M.; concrete in place $25 cu. yd. Drury Butler, County Engineer.

SAN FRANCISCO — The following bids were received on October 6th, by the Board of State Harbor Commissioners for furnishing materials and constructing the following improvements:

Proposition A—A concrete bulkhead wharf in front of Pier 19, including the reconstruction of the timber approach to Pier 19:

Proposition B—A concrete bulkhead wharf extending from the existing section of concrete wharf in front of Pier 5 to the existing section of concrete wharf in front of Pier 21:

Proposition C—A concrete bulkhead wharf in front of Pier 19, including the timber approach to Pier 19 and a concrete bulkhead wharf extending from the existing section in front of Pier 25 to the existing section in front of Pier 1, on the San Francisco water front.

Tibbitts-Pacific Co (a) $——; (b) $—— (c) $73,788.

Hannah Bros. (a) $17,305; (b) $69,597; (c) $83,772.

S. F. Bridge Co. (a) $19,700; (b) $76,900 (c) $95,000.

Healy-Tibbitts Constr. Co. (a) $18,200; (b) $65,829; (c) $81,320.

Clinton Constr. Co. (a) $21,334; (b) $79,805; (c) $86,775.

The meeting was adjourned until October 7th, when the contract will probably be awarded.

IRRIGATION PROJECTS

MERCED, Merced Co., Cal.—Engineer E. C. Eaton has submitted reports on three proposed plans for the Merced Irri. Dists. irrigation and power projects for which bonds will be voted soon. These plans are summarized as follows:

Livingston Plan—Capacity of power plant, kw. 15,000; storage ac. ft., 30,-000; cost, $7,202,768; average cost per acre per year, $2.90.

Plan "B" (Galloway Plan)—Capacity of power plant, kw. 30,000; storage, ac. ft., 250,000; cost, $12,881,010; average cost per acre per year, $2.98.

Alternative Plan—Capacity power plant, kw. 30,000; storage, ac. ft., 268,-000; cost, $12,084,828; average cost per acre per year, $2.64.

FRESNO, Fresno Co., Cal.—Bids received by Fresno Irrigation District, Griffith-McKenzie Bldg., for tearing out old wood flumes crossing Dog Creek on the Gould and Enterprise Canals of the Fresno Irriation Dist., and the replacing of same with steel and concrete structures, have been rejected and new bids ordered received up to Oct. 14, 10 a. m. Lowest bid submitted by Fisher & McNulty at $4,849. Geo. L. Swendsen, Chief Engineer, and Morton Hansen, Secretary, of district.

FRESNO, Fresno Co., Cal.—Supervisors grant petition to call election to decide on formation of proposed Mendota Irrigation District. Election will be held Nov. 8.

FAIRFIELD, Kern Co., Cal.—Suisun Irrigation District selects Erle C. Cope, 58 Sutter St., and Geo. S. Dillman, engineers, San Francisco, to investigate the feasibility of the district's plans and the cost of putting the project through. It is expected a report will be submitted within two months.

LIGHTING SYSTEMS

LOS ANGELES, Cal.—Humphrey Engineering Construction Co., San Fernando Bldg., Los Angeles, was awarded contract at $37,866 for constructing an ornam. lighting system in Crescent Hts. Lighting District.

PHOENIX, Ariz.—H. L. Mosher, 415 N. First St., Phoenix, desires to get into communication with contractors who will bid on an ornamental lighting system in connection with street paving contract.

MERCED, Merced Co., Cal. — City Trustees order bids received for installation of electroller system. C. D. Martin, City Engineer.

MACHINERY

SANTA JOSE, Santa Clara Co., Cal.—Until Oct. 17, 11 a. m., bids will be received by Henry A. Pfister, County Clerk, for furnishing one Modern Vehicle 4-yard Steel Dump with hydraulic hoist complete, to be used on the truck operated as a sprinkler. Cert. check 10% payable to County Clerk required with each bid. Forms for bidding may be had from clerk.

SAN JOSE, Santa Clara Co., Cal.—Until Oct. 17, 11 a. m., bids will be received by Henry A. Pfister, County Clerk, for 2 Austin Western Road Machinery Co.'s gas rollers, wheels 68 in. in dia. by 20 ft. wide. Cert. check 10% payable to County Clerk required with each bid.

SANTA CRUZ, Santa Cruz Co., Cal.—County Supervisors, H. E. Miller, clerk, will sell, on Oct. 18, 2 p. m., four water tanks, Nos. 60, 61, 62 and 63; four tank frames and four windmills, situate on Beach Road in Pajaro Road District. Lloyd Bowman, County Engineer.

DENVER, Colo.—Until October 19, 2 P. M., bids will be received by U. S. Reclamation Service for furnishing motor controller and transformers for a class 14 Bucyrus drag-line excavator.

REDWOOD CITY, San Mateo Co., Cal.—Mark-Lally Co., 2nd and Tehama Sts., San Francisco, at $2,034 awarded contract by trustees for fur. and del. a quantity of galv. iron pipe. C. L. Dimmitt, City Engineer.

ELK GROVE, Sacramento Co., Cal.—Until Oct. 22, 7:30 p. m., bids will be received by J. W. Kerby, Clerk, Elk Grove Union Grammar School Dist. to fur. and del., complete, two 1-ton Dodge truck chassis, or equal; also for fur. and install. on same, two 25-passenger bodies. Spec. may be had from clerk at Elk Grove.

RAILROADS

SAN FRANCISCO.—Application has been filed with the State Railroad Commission by the Salt Lake Ry. Co., now controlled by Union Pacific, for permission to extend its line from Whittier to Santa Ana, a distance of 14 mi., and from Whittier to Tustin, a distance of 22 mi. The cost is estimated at $1,500,000 to $2,000,000.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy recommends to Supervisors an expenditure of $1,000,-000 to finance purchase of equipment of municipal railway extensions and for erection of new car barns.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy recommends to Supervisors construction of seven extensions to Municipal Railway, the purchase of equipment and erection of barns, totaling $8,101,000. The extensions are segregated, as follows: Masonic Ave. route, $225,000; Sunset route, $1,300,000; Duboce Ave., $2,467,000; Eureka Valley route, $1,900,000; Laguna Honda, $914,000; Taraval St. route, $120,000; Ocean View route, $175,000. For purchase of equipment and erection of car barns $1,000,000 is allowed.

FIRE EQUIPMENT

SAN FRANCISCO. — The following bids were received by the San Francisco Fire Commission for painting pumping stations Nos. 1 and 2:

Hd. Hardell Co.	$1125
R. Zelinsky	3260

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SAN FRANCISCO. — C. B. Eaton awarded contract by Board of Public Works to improve Pt. Lobos Ave. between 48th Ave and Great Highway and requests Supervisors to appropriate $128,683 to cover the cost of the contract. M. M. O'Shaughnessy, City Engineer.

NEWPORT BEACH, Orange Co., Cal. The City Trustees have taken up the proposed street paving program. Paul E. Kressly, City Engineer., H. W. Hellman Bldg., Los Angeles, is working out the preliminary plans.

BRAWLEY, Imperial Co., Cal.—The City Trustees will take up at their next meeting the matter of paving B and Ninth Sts., the former to connect county pavement at city limits with that on N. Imperial Ave.

LOS ANGELES, Cal.—Until 11 a. m., Oct. 17, bids will be received by Supervisors for improving Santa Monica Blvd. from Fairfax Ave. to Olive Dr. in Road Dist. No. 3. Cert check or bond for 10%. This is a cash job. Approximate quantities: 1096 cu. yds. excav.; 1037 cu. yds. removing old macad.; 3675 lin. ft. shaping roadbed; 7738 sq. yds. replacing old macad.; 7738 sq. yds. disint. granite base; 1768 lin. ft. curb; 3678 lin. ft. concr. curtain wall; 7708 sq. yds. 6-in. concr. pavement; average haul, 1 mile from Sherman on Pacific Electric Ry. County will furnish 2068 bbls. cement.

MODESTO, Stanislaus Co., Cal.—City Council, L. A. Love, clerk, passes res. of int. to improve Ninth St. between B and E Sts., by grading, paving with 4-in. concrete base with 1½-in. Bitulithic wearing surface, concrete curbs and gutters. Imp. Act 1911. Protests Oct. 12.

Res. of int. also passed to improve 15th St. bet. E and Burney; portions of Burney St. and portions of D and Jennie Sts., by paving with 2½-in. asphaltic concr. base with a 1½-in. Bitulithic wearing surface, concr. curbs and gutters. Imp. Act 1911. Protests Oct. 12. Geo. Freitas, City Engineer.

BENICIA, Solano Co., Cal.—Chas. S. Pope awarded contract by Trustees for repaving First St. from J to north boundary of S. P. right-of-way at approx. $.08 sq. ft. United Construction Co. of Vallejo, only other bidder at $.09.

FRESNO, Fresno Co., Cal.—Council, R. Y. St. George, City Clerk, passes res. of int. to improve portions of University Ave., Van Ness Blvd., and Moroa Ave., etc., by grading, constructing concr. curbs, gutters and sidewalks, corrugated culverts and paving with 3½-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic wearing surface. Imp. Act 1911.

Res. of Int. to improve Normal Ave. bet. Van Ness Blvd. and Lucerne Lane by grading, constructing concrete curbs, gutters and sidewalks, paving with 3½-in. asphaltic concr. base with 1½-in. Warrenite-Bitulithic wearing surface. Imp. Act 1911.

Res. of int. to improve alley bet. Boles, North Park, from Belmont Ave. by grading and paving with concr. Imp. Act 1911.

Res. of int. to construct 6-in. vit. clay lateral pipe in portions of Clara Ave. with 4 6-in. wyes for each lot frontage, including manholes. Wm. Stranahan, Commissioner of Public Works.

SEATTLE, Wash. —City Engineer's office estimates cost of the proposed trunk sewer and sub-sewers in West Seattle to cost $124,913. Work will be ordered by council in near future.

SACRAMENTO, Cal.—The following bids were received on September 26th by the California Highway Commission for highway improvement in Sonoma and Imperial Counties:

Sonoma County, between Fairville and Easterly Boundary (IV-Son-8-A & B), about nine and three-tenths (9.3) miles in length, to be graded.

Healy Tibbitts Constr. Co., San Francisco $77,404.00
T. M. Olney, S. F. 79,462.60
W. A. Dontanville, Hollister. . 96,536.00
C. H. & A. W. Gorrill, Okd... 105,075.00
A. J. Fairbanks, Willitts..... 127,896.50
W. A. Kettlewell & Son, Okd. 136,922.50
Blake & Heaney, Oakland... 149,602.00

Engineer's Estimate, $85,472.75.

Imperial County, between Near East High Line Canal and New County Well (VII-Imp-27-A), about ten and seven-tenths (10.7) miles in length, to be paved with asphalt concrete.

G. H. Oswald, Los Angeles... $159,087.50
Los Angeles Paving Co., Inc. Los Angeles 187,910.50
Southwest Paving Co., L. A.. 215,081.00
Warren Constr. Co., Portland Oregon 252,343.50

Engineer's Estimate, $252,195.00.

PHOENIX, Ariz. — Claude Fisher, Phoenix, was the lowest bidder at $32,307 for water works extension pipe lines. Michael Murphy, Berkeley, bid $53,281; Jas. W. Martin, $51,107.50. The work will require 75,000 ft. 6-in. cast iron pipe, 15,000 ft. 8-in., 9200 ft. 10-in., 5500 ft. 12-in., 750 ft. 16-in., 15,300 ft. 20-in., 160 ft. 6-in. hub fire hydrants; 275 6-in. valves; 30 8-in., 14 10-in., 10 12-in., one 16-in. and 7 20-in. Much of the material is reported on the ground.

FRESNO, Fresno Co., Cal.—Until Oct. 14, 2 p. m., bids will be received by D. M. Barnwell, County Clerk, for reconstructing a portion of Toll House road, extending from Toll House northeasterly a distance of approx. 5½ miles. Project involves: 14,890 cu. yds. of earthwork, Classification A; 8,620 cu. yds. of earthwork, Classification B; 50 cu. yds. cement rubble masonry; 1,350 cu. yds. dry rubble masonry; 720 lin. ft. of corrugated metal culvert pipe, eight in. in diameter; 660 lin. ft. of corrugated metal culvert pipe 12 in. in diameter; 100 lin. ft. of corrugated metal culvert pipe, 24 in. in diameter. Cert. check 10% payable to Chairman Board of Supervisors required with each bid. Specifications may be had from County Surveyor Chris. P. Jensen, Cory Bldg., Fresno.

SAN DIEGO, Cal.—Plans and spec. have been prepared by A. F. Monroe, Assistant City Engineer, for approximately 491,000 sq. ft. paving at Ocean Beach; est. cost, $150,000. Bids will be taken for both asph., concr. and Willite paving 4½ in. thick.

SACRAMENTO, Cal.—City Commissioners, M. J. Desmond, clerk, pass res. of int. to improve alley bet. R and S, 5th and 6th Sts., by constructing one concr. catchbasin connecting with sewer 6-in. vit. pipe; reconstructing existing concrete manhole, grading and paving with 5½-in. asphaltic concr. Imp Act. 1911.

Res. of int. to improve alley bet. P and Q, 29th and 30th Sts., by constructing 2 concrete catchbasins, connecting same to sewer with 6-in. vit. pipe; reconstructing 1 concr. manhole, grading and paving with 5½-in. asphalt concr.

Res. of int. to improve 9th Ave. bet. 33rd and 35th, by constructing concr. curbs and gutters, placing 8 C. I. gu ter drains and connecting same sewer with 6-in. vit. pipe; resetting gutter drains, constructing 1 and constructing 2 concr. manholes, gra ing and paving with 5½-in. asphal concr.

Res. of int. to improve alley bet. 23 and 24th, 4th Ave. and Marshall W by constructing 2 concr. catchbas and connecting same to sewer wi 6-in. vit. pipe; reconstructing 1 con manhole, grading and paving wi 5½-in. asphaltic concr. Albert Giva City Engineer.

LOS ANGELES, Cal.—B. D. Baucu 173 W. 43rd St., awarded the contra at $39,162.23 for improving Corin Dr. bet. Ave. 54 and a point 666 northwest of Ave. 51, involving 77 544 sq. ft. grading at 23c ft.; 77,544 s ft. oiling and rolling at 7c ft.; 3819 curb at 75c ft.; 29,445 sq. ft. conc gutter at 24c ft.; 12,706 ft. sidewal at 33c ft.; reinf. concr. culverts $2 complete. Chas. T. Salata submitt only other bid at $39,674.50; engineer estimate, $35,906.06.

MADERA, Madera Co., Cal.—Huy Hyd Chick, Oakland, at $24,412.19 awarde contract by Trustees to construct e tensions to water system. Bid is $1 499.61 less than estimate of City En gineer Frank Nirkirk. Highest bi was $34,040. Bids were also submitte by Michael Murphy, T. E. Clinch, Cow den Broderick, W. A. Kraner, Inc., Sy ney Smith, Fredericksen - Shanno Edw. Twohy, Pernel-Bennett, Schul Construction Co. and Fisher McNult

STOCKTON, San Joaquin Co., Cal.—F. E. Quail, County Engineer, i structed to prepare specifications f improving Wild Goose Valley roa connecting Amador and San Joaqui Counties, for a distance of 8.1 mil bet. the I. O. O. F. hall at Clement an the Amador County line to the eas Cost to San Joaquin County estimate at $80,000.

FORTUNA, Humboldt Co., Cal.—Town Trustees accept offer of Stat Highway Commission to pave fou main business streets of town, entir width of 44 ft., and construct a con crete bridge 21 ft. wide and 20 ft. lon over Rohner Creek, the Highway Com mission agreeing to pave the balanc of the distance through the town. It is estimated the paving will cost $13, 500 and the bridge, $2,500.

LOS ANGELES, Cal.—Until 11 a. m. Oct. 17, bids will be received by Super visors of Los Angeles County for sewage disposal system at Olive View Sanitarium near San Fernando; plan and specifications on file at office o board. Cert. check or bond for 10%.

STOCKTON, San Joaquin Co., Cal.—S Coast Rock and Gravel Co. at $1.95 ton awarded contract by Supervisor to furnish 15,000 tons of gravel fo road improvements in Calaveras Roa District. River Rock Co., $1.97½ ton, only other bidder. F. E. Quail County Engineer.

FRESNO, Fresno Co., Cal.—Unti Oct. 14, 2 p. m., bids will be receive by D. M. Barnwell, County Clerk, fo furnishing and delivering 28,000 ton of gravel or crushed rock, graded size from 2½ in. down to fine sand delivered f. o. b.: 9,000 tons at Dos Pa los, 19,000 tons at Oxalis; deliveries t commence about Oct. 20 and continu thereafter at the rate of 8 cars a day Cert. check 10% payable to Chairma of Board of Supervisors required wit each bid. Chris. P. Jensen, County Surveyor.

CALIFORNIA.—State Highway Commission awards contracts as follows for fur. and del. cement:

1815 bbls. to Old Mission Portland Cement Co., $2.98 per bbl., delivered at Ceres, Stanislaus County.

504 bbls. to Santa Cruz Portland Cement Co. at $2.84 per bbl., delivered at Ignacio, Marin County.

6400 bbls. to Riverside Portland Cement Co., at $2.66 per bbl., for delivery at Goleta, Santa Barbara County.

SANTA CRUZ, Santa Cruz Co., Cal.—Following bids received by Supervisors for fur. and del. materials for highway construction:

Sand

Bay Development Co. (f. o. b. Chittenden) $1.25
Bay Development Co. (f. o. b. Boulder Creek) 1.40
Pratt Building Co. (f. o. b. Chittenden or Boulder Creek) 1.60
E. S. Roach (Beach sand from Twin Lakes) 1.20

Rock

E. B. & A. L. Stone (Coyote gravel or sand, f. o. b. Chittenden or Boulder Creek) $1.60
Coast Rock Co. (Gravel, granite rock or sand) 1.60
Niles Sand and Rock Co. (Gravel or sand) 1.60
Hutchison Co. (Traprock) 1.80

Road Oil

Standard Oil Co. (per ton, f. o. b. Richmond) $15.00

Corrugated Pipe

Bids on corrugated iron pipe, submitted by Western Pipe & Steel Co., Maydwell Pipe & Culvert Co., and California Culvert Co., ranged from 63c to 86c for 8-in., 89c to $1.22 for 12-in., $1.05 to $1.45 for 15-in., $1.30 to $1.75 for 18-in., $1.34 to $2.00 for 21-in., $1.67 to $2.24 for 24-in., $2.44 to $3.40 for 30-in.

Cement

Old Mission Portland Cement Co., Santa Cruz Portland Cement Co., Henry Cowell Lime and Cement Co., Pacific Portland Cement Co., all bid f. o. b. Chittenden, $3.54; f. o. b. Boulder Creek, $3.60.

All bids taken under advisement. Lloyd Bowman, County Engineer.

MADERA, Madera Co., Cal.—Guy H. Chick, Oakland, at $24,412.19 has been awarded a contract by the City Trustees to install 20,000 feet of cast iron and riveted steel water mains. Other bidders were:

Schultz Constr. Co., S. F.....$26,611.49
W. A. Kraner, Inc., S. F..... 26,848.85
H. Twohy, Oakland..... 28,109.40
Martin Murphy, Oakland.... 28,397.50
Fredrickson & Shannon, Fresno 28,904.89
Fisher & McNulty, Fresno... 30,366.50
Sidney Smith, Los Angeles 29,207.80
F. A. Pellagrino, Fresno..... 30,191.14
Cowden-Broderick Co., S. F....30,948.50
Pernal Barnett, Orange..... 34,040.20

Estimate of City Engineer Frank Nikirk, $25,911.80.

NAPA, Napa Co., Cal.—Ray Errington, Napa, at $12,006.51 awarded contract by City Council to improve Third St. between Coombs and School Sts., involving 934.3 cu. yds. grading, 28,810.2 sq. ft. 6-in. concr. paving; 6 concr. catchbasins, 180 ft. 6-in. and 260 ft. 8-in. sewer, 4 4-in. lateral sewer house connections; 1 brick manhole and 1 flush hole. R. A. Harrold, City Engineer.

OAKLAND, Cal.—Street improvements costing $270,000 will be started in Oakland in the immediate future. $70,000 for grading and paving the extension of the Skyline Boulevard from Moraga Canyon to Redwood Peak, a distance of 4 miles, a portion of the work to be financed by county; $200,000 for improving Madison street and Jackson street from 7th to 12th, and Tenth and Eleventh streets from Jefferson to Market to be re-paved. Geo. Mattis, City Engineer.

BERKELEY, Alameda Co., Cal.—Schnoor Bros., at 25.5 cents sq. ft. awarded contract by Council to construct cement sidewalks in portions of Berkeley Way, Hearst Ave. and other streets. C. L. Huggins, City Engineer.

OROVILLE, Butte Co., Cal.—H. H. Hume, County Engineer, instructed to prepare specifications for repairing Oroville-Chico road for a distance of one mile running north from the Feather River bridge. Work is estimated to cost $16,000.

LOS ANGELES, Cal.—Fleming Construction Co., 105 N. Park Ave., Pomona, submitted lowest bid to Supervisors at $70,000 for improving portions of Haskell St., Craig Ave., Fairview Dr., Mountain Ave., Green Lane, Michigan Ave. and Commonwealth Ave., La Canada, in Road Improvement District No. 198. Other bids were: W. B. McCray, $74,000; Peter L. Ferry, $80,000; Ducey & Breitenstein, $81,300; Engineer's estimate, $75,623.50. The total length of streets to be paved is 1.38 mile and approximate quantities are 16,976 cu. yds. excavation, 7287 lin. ft. shaping roadbed; 14,801 lin. ft. curb; 41,343 sq. ft. concrete gutter 5 in. thick and 3 ft. wide; 18,341 sq. yds. concrete pavement, 5 in. thick and 18 and 22 ft. wide; one reinforced concrete culvert. Bids referred to Road Commissioner Jones.

SANTA CRUZ, Santa Cruz Co., Cal. Petitions are being circulated seeking paving of Cleveland street. Council announces the Southern Pacific Co. will improve Chestnut avenue by regrading, rocked and surfaced with granite screenings. James J. James, City Engineer.

BERKELEY, Alameda Co., Cal.—City Council rejects bids for widening Shattuck Ave. bet. Allston and Bancroft Ways and bids ordered re-advertised. C. L. Huggins, City Engineer.

BISHOP, Inyo Co., Cal.—Plans have been prepared for pavement on about ¾ mile of street but call for bids is being delayed for a short time pending final action by state highway commission on plans for state highway north and south of Bishop. B. E. Sherwin, City Engineer.

CALIFORNIA.—J. A. Costello, Jr., 218 Pine St., San Francisco, at $49,176 awarded contract by State Highway Commission for surfacing 6 miles of highway in Stanislaus County between south boundary and Ceres, involving 7200 tons asphalt concrete. Engineer's estimate, $60,030; also for 4.2 miles of highway in Merced County bet. Delhi and north boundary at $30,780, involving 4560 tons asph. concr. surfacing. Comm. to furnish cement in each instance. Engineer's estimate $38,019.

Hugh Crummey, Hearst Bldg., San Francisco, at $41,380 awarded contract for 4.3 miles of highway in Santa Clara County bet. Perry and Morgan Hill, involving 4,700 tons asph. concr. surfacing. Cement to be furnished by state; engineers' estimate, $40,537.

EAST SAN DIEGO, Cal. Until 8 p. m., Oct. 27, new bids will be received for constructing about 29 miles of lateral sewers in East San Diego. The contract will involve 92,698 ft. 6-in. vit. pipe, 60,343 ft. 8-in. pipe, 541 ft. 6-in. C. I. pipe, 130 ft. 8-in. C. I. pipe, 6550 6-in. wye branches, 4257 8-in. wye branches, 45 cu. yds. concr. piers to support C. I. pipe, 443 concr. manholes and 53 concr. flushtanks. Plans and specifications may be obtained from City Engineer E. Paul Ford on deposit of $20. Work to be done under 1911 Act. B. B. Boyd, low bidder on this work Sept. 1, was released from his contract due to having written a condition in his bid not in accordance with the law.

SANTA BARBARA, Cal.—R. M. Davis submitted the only bid at $10,000 for grading and graveling 5 miles road between Santa Ynez and Los Olivos. Bid rejected as too high and work ordered done by day's labor.

VISALIA, Tulare Co., Cal.—Supervisors are planning additional mountain road work. Extensive improvements are planned in the Mountain Home and Summer Home districts. County Surveyor Laurence A. Moye has completed preliminary surveys for the proposed new road above Bear Creek.

HUNTINGTON BEACH, Cal.—Steele Finley of Santa Ana was awarded the contract by City Trustees Sept. 26 at $45,439.11 for improving Second and Third Sts., Lake Ave. and alleys in blks. 104, 204 and 203, involving 47,600 sq. ft. Willite paving at 12c ft. and 1870 ft. curb at 65c ft. on Second St.; 62,800 sq. ft. Willite paving at 29½c ft., 514 ft. culverts at $2.29 ft., 600 ft. curb at 65c ft., 3500 sq. ft. cem. sidewalk at 24c ft. and ornamental lighting system at $6750 on Third St.; 16,425 sq. ft. Willite paving at 30c ft. on Lake Ave., and 18,740 sq. ft. Willite paving at 31c ft. and 141 sq. ft. sidewalk at 65c ft. on alleys. Braun, Bryant & Austin, Inc. submitted the only other bid at 13c for paving and 70c for curb on Second St.; $2.25 for culverts, 31c for paving, 70c for curb, 24c for walk and $9500 for ornamental lighting system on Third St.; 33c for paving on Lake Ave. and 31c for paving and 70c for walk in alleys. C. R. Sumner, W. H. Hellman Bldg., Los Angeles City Engineer.

SAN BERNARDINO, Cal.—Plans for a new sewer system for the west side of the city will be presented to Council in about two weeks.

BERKELEY, Alameda Co., Cal.—Until Oct. 14, 10 a. m., bids will be received by E. M. Hann, City Clerk, for constructing concr. curbs, grading and paving with asphalt and screenings, constructing ironstone pipe sewers, 18, 12 and 10-in. in dia., catchbasins, manholes, etc., in portions of Shattuck Ave. imp Act 1911. Cert. check 10% payable to city required with each b'd. C. L. Huggins, City Engineer.

TURLOCK, Stanislaus Co., Cal.—Trustees reject bids for paving Marshall St. at a cost of $35,216 and balance of bids for paving other streets [illegible] The total bids for paving were:

Olive St.: A. Teichart & Son, Ochsner Bldg., Sacramento, $27,728.89; J. A. [illegible]

Lander Ave.: A. Teichart & Son, $3131.20; J. Costello, $2,873.70.

Merritt, Myrtle and Sycamore: A. [illegible]

Marshall: A. Teichart & Son, $38 - [illegible]

North and South First: J. F. Knapp, Turlock, $3,487.73; A. Teichart & Son, [illegible]

[illegible] Hall, City Engineer.

CALIFORNIA.—Riley & Peterson, San Diego, at $54,494 awarded contract by State Highway Commission to improve Div. VII, Route 2, Section F, Orange County (between Fullerton and north boundary), about 4.8 miles in length, two and eight-tenths to be paved with Portland cem. concr. and two miles to be widened with Portland cem. concr. shoulders and surfaced with asph. concr. Engineers' estimate, $82,823.

Healy-Tibbitts Construction Co., 9 Main St., San Francisco, awarded contract at $77,404 to improve Division IV, Route 2, Sections A and B, Sonoma County (bet. Fairville and easterly boundary), about 9.3 miles in length to be graded. Engineers' estimate, $85,472.

Geo. H. Oswald, Los Angeles, at $159,087 awarded contract to pave with asph. concr. Division VII, Route 27, Section A, Imperial County (bet. East High Line Canal and new County Well), about 10.7 miles in length, to be paved with asph. concr.

SOUTH SAN FRANCISCO, Cal.—Hickey & Harmon, 1230 Green St., San Francisco, at $3,783.13 submits low bid to Trustees to construct 24-in. combined sanitary and storm-water sewer across right-of-way of the S. P. Co. in California Ave. to connect with the existing sewer at the east end of California Ave. with the sewer in Industrial Way. The bid does not include work to be done by the railroad, which is estimated to cost $1,947. C. R. Cowden of Oakland submitted a bid of $7,872.10, including work of the railroad. Geo. Kneese, City Engineer.

GLENDALE, Cal.—Notice of intention to construct the "business district" sewer system with a temporary septic tank and cesspool disposal, has been passed by Trustees and bids will be received in about 60 days; est. cost, $36,500. Quantities: 630 ft. 6-in. vit. pipe, 270 ft. 8-in. vit. pipe, 2706.79 ft. 10-in. vit. pipe, 478.84 ft. 12-in. vit. pipe, 1720.93 ft. 15-in. vit. pipe, 9 m. h., 8 jct. chambers, 4 ft. l. h., 7 septic tanks, 21 cesspools, 28 m. h. frames and cover sets, together with wyes, etc. C. L. Hill, City Engineer; Olmsted & Gillelen, consulting engineers. The district covered comprises 6 blocks from Brand Blvd. east and Broadway north.

LOS ANGELES, Cal.—Until 11 a. m., Oct. 17, bids will be received by Supervisors of Los Angeles County for grading and constructing curb, walk and gutter on Alma St. from First to Michigan Ave., 712.48 ft., in Road Imp. Dist. No. 202. Approximate quantities are: 515 cu. yds. excav.; 714 lin. ft. shaping road; 1474 lin. ft. curb, 5x9x14 in. and 5x9x18 in.; 5828 sq. ft. sidewalk; 2812 sq. ft. removing old sidewalk; 3020 sq. ft. gutter; reinf. concr. catchbasin. Materials: 245 bbls. cem., 105 tons sand, 173 tons gravel, 128 sq. ft. expansion joint, 80 lbs. steel, 2 ft. 18-in. pipe. Est. contract price, $3881.70. Average haul 2½ miles from Anderson St. on Pacific Elec. Ry.

BERKELEY, Alameda Co., Cal.—Until Oct 14, 10 a. m., bids will be received by E. M. Hann, City Clerk, for constructing concr. culvert 6' 6" by 8' in Strawberry Creek across Jefferson Ave., and 12-in. vit. pipe sewer in Jefferson Ave. from said culvert to Allston Way, together with constructing of concr. catchbasin and manhole. Imp. Act 1911. Cert. check 10% payable to city required with each bid. C. L. Huggins, City Engineer.

LOS ANGELES, Cal.—Until 11 a. m., Oct. 17, bids will be received by Supervisors of Los Angeles County for paving Firey Ave. from Covina Blvd. to Foothill Blvd., 5118 ft., in Road Imp. Dist. No. 172. A 5-in. concr. pavement reinforced will be laid 9 ft. from Third St. to north city boundary of La Verne and 18 ft. wide from La Verne to Foothill Blvd. Approximate quantities are: 16,845 cu. yds. excav.; 5118 lin. ft. shaping roadbed; 8855 ft. curb; 35,330 sq. ft. gutter; 9093 sq. yds. paving; 192 lin. ft. wood retaining wall. Materials: 4522 bbls. cem., 2061 tons sand, 3799 tons gravel, 47,560 lbs. ⅜-in. steel rods, 445 lbs. steel rods, 4158 ft. B. M. lumber, 1621 sq. ft. expansion joint. Average haul, 11 miles from Kincaid and 1.28 miles from Santa Fe siding at La Verne. Est. contract price, $58,392.10. County will pay contractor $15,000.

SACRAMENTO, Cal.—Until Oct. 13, 9 p. m., bids will be received by M. J. Desmond, City Clerk, for improving Sacramento Blvd. from sewer in place in 9th Ave., to 14th Ave., by constructing vit. pipe sewer with 42 6-in. vit. wye branches, 7 concr. manholes; 12th Ave. from point 10 ft. east of 37th St., north 680 ft. east of Sacramento Blvd., by constructing vit. pipe sewer with 27 6-in. vit. wye branches, 4 concr. manholes; 38th St. from manhole in place in 12th Ave. to point 400 ft. north by constructing vit. pipe sewer with 14 6-in. vit. wye branches, 1 concr. manhole. Cert. check 10% payable to city required with each bid. Albert Givan, City Engineer.

SAN FRANCISCO.—Recommendation made to Supervisors that city pay one-half the cost of paving San Jose Ave. from Sickles to Ottawa, total estimated cost $58,000; also recommended that city pay entire cost of grading the street, $10,000. Supervisors have authorized the immediate paving of Castro St. bet. 17th and 19th, city to pay half the cost, $11,000. M. M. O'Shaughnessy, City Engineer.

SACRAMENTO, Cal. — McGillivray Construction Co., Capitol Nat. Bank Bldg., Sacramento, awarded contract by City Commission to improve Santa Cruz Way from 5th to 8th Aves. by constructing concr. curbs and gutters, 2 cast iron gutter drains connecting same with 6-in. vit. sewer pipe, grading and paving with 5½ in. of asph. concr.

J. W. Terrell, 1111 29th St., Sacramento, awarded contract to improve alley bet. Y and Burnett Way, 24th and 25th Sts., by constructing vit. pipe sewer with 17 6-in. vit. wyes. Albert Givan, City Engineer.

SAN RAFAEL, Marin Co., Cal.—San Rafael Improvement Club will ask bids for improving Cemetery Rd. from J St. in San Rafael to the county line; estimated cost $2,800. Bids will be taken by H. K. Brainerd, City Engineer of San Rafael.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications for improving Pomona St. bet. Hayview and Thornton Aves., involving 5036 cu. yds. cut; 166 cu. yds. fill; 2157 lin. ft. concr. curbs; 21,799 sq. ft. asph. concr. and 2,000 sq. ft. concr. pavement; 833 sq. ft. art. stone sidewalks; 5 brick catchbasins; 131 lin. ft. 10-in. vit. pipe culverts.

SANTA ROSA, Sonoma Co., Cal.—The following bids were received on September 30th by W. W. Felt, County Clerk, for constructing Section E, Guerneville-Jenner highway in Fifth Supervisorial District 3.468 ft. or .65 mile long:

(1) Excavating, (2) 12-in., 15-in. and 18-in. pipe; (3) gravel, per cubic yard; (4) concrete in form; (B) concrete in form; (5) a trestle; (B) trestle per 1000 ft.

A. J. Fairbanks, Willits: (1) $1.00, (2) $1.25, $1.50, $2.00; (3) $2.50, (4) A $30, B $35; (5) A 80, B $40.

Conners & Hansen (1) $1.40; (2) $1.50, $1.50, $2.00; (3) $4.50; (4-a) $44; (b) $40, (5) $80.

The contract was awarded to A. J. Fairbanks.

Estimate of R. Press Smith, County Engineer (a) $7,540; (b) $8,920.

BAKERSFIELD, Kern Co., Cal.—The Supervisors voted to transfer to state highway commission $50,000 for construction of the Cuyama highway to connect Kern and Ventura counties.

SAN FRANCISCO.—Until Oct. 19, 3 p. m., bids will be received by Board of Public Works for constructing reinforced concrete fire cistern at Lakeview and Josiah Aves.; cistern will have a capacity of 75,000 gallons. Plans may be had from City Engineer's office, 3rd floor, City Hall.

OAKLAND, Cal.—Until Oct. 24, 10 a. m., bids will be received by Geo. E. Gross, County Clerk, for constructing a well sump and water gallery for water supply at the County Hospital near San Leandro. Cert. check 10% payable to County Clerk required with each bid. Spec. on file in office of clerk.

CALIFORNIA. — Following are approximate quantities of materials required for projects which the State Highway Commission will open bids Oct. 17:

Lassen County, between the westerly city boundary and Pine St. in Susanville (II-Las-29-B), about 0.2 miles in length to be graded: 2000 cu. yds. excavation without classification; 10 cu. yds. Class "A" Portland cement concr. (culverts and monuments); 50 lin. ft. 12" and 110 lin. ft. 18" corrugated metal pipe; 11 monuments. Commission will furnish reinf. steel, corrugated metal pipe and cement.

Tuolumne County, between westerly boundary and one mile north of Keystone (111-Tuo-13-A), about 9.4 miles in length, to be paved with Portland cement concrete: 14,000 cu. yds. excavation without classification; 11,500 cu. yds. Class "A" Portland cem. concr. pavement. Commission will furnish cement and a portion of the sand and coarse aggregate for concrete in stockpiles along the work.

EUREKA, Humboldt Co., Cal.—F. L. Hufford of Yorick at $3.45 a yard awarded contract by Supervisors for crushing, hauling and spreading 2000 cubic yards or more of rock on County road between Orick and Bald Hills, Road District No. 5; rock to be spread with a dump spreader and job completed by Nov. 1. Englehart Paving & Construction Co., Eureka, only other bidder at $4 a yard. A. J. Logan, County Surveyor.

WATTS, Los Angeles Co., Cal.—B. D. Lancus, 173 W. 43rd St., Los Angeles, submitted a bid for constructing curb and sidewalk on 7 streets, involving about 117,000 sq. ft. sidewalk and 17,000 ft. curb and for grading and oiling Myrtle Ave. at 70c ft. for curb, 24c sq. ft. for walk and $2.65 lin. ft. for grading and oiling. Taken under advisement until Oct. 11.

LOS ANGELES, Cal.—W. D. McCray, 424 American Bank Bldg., Los Angeles, awarded contract at $74,400 for paving Haskell and other streets, [illegible] mi. La Canada, in Road Imp. Dist. No. 191, with 5-in. cem. concr. Bids noted issue Sept. 30. Bid of Fleming Constr. Co. reported at $70,000 should have been $75,000.

LOS ANGELES, Cal.—An ordinance of intention to construct the Arroyo de la Sacatela storm drain, comprising about 41.5 mi. of storm sewers, including the main line, which extends from Madison Ave. and Temple St. to outlet south of Pico St. 5.17 mi. has been passed by the City Council. The work will be done under the Vrooman Act and about three months will be required for the final procedure before a call for bids can be issued. The cost will be approximately $2,500,000. Final quantities and estimates have not yet been completed.

SACRAMENTO, Cal.—State Highway Commission is completing specifications for the highway between Auburn and the junction of the Grass Valley road, about 2 mi. from Colfax; will be 18 mi. long and will cost approximately $400,000.

The Commission has ordered estimates prepared for a stretch of road bet. Middletown and Low Lake, a distance of about 16 mi. in Lake County. This unit will constitute part of the Calistoga, Rumsey and Lower Lake road.

SPOKANE, Wash.—City Council approves specifications for down-town intercepting sewer; estimated cost, $375,000. Will be of reinforced concrete construction.

PHOENIX, Ariz.—H. L. Mosher, 415 N. First St., Phoenix, wants to get into communication with street paving contractors who will bid on ¾ mi. 6-in. concr. pavement or more in Phoenix.

SANTA ANA, Orange Co., Cal.—Until 11 a. m., Oct. 18, bids will be received by Supervisors for resurfacing the 4-in. concr. pavement on Los Alamitos Blvd. with 6-in. and 5-in. concr. and 99,000 lbs. reinf. steel. Cert. check or bond for 5%. Plans and spec. may be obtained from County Engineer J. L. McBride on deposit of $3. J. M. Backs, County Clerk.

SANTA ROSA, Sonoma Co., Cal.—A. J. Fairbanks, Willits, at $9,166.50 awarded contract by Supervisors to construct Section E, Guerneville-Jenner highway in 5th Super. Dist., approx. .65 mi. long. Conners & Hansen, Santa Rosa, approx. $12,000, only other bidder. R. Press Smith, County Engineer.

HUNTINGTON BEACH, Cal.—Proceedings for widening Fifth St. have been started by the City Trustees. City Engineer C. R. Sumner estimates the cost at $15,950, involving 17,000 sq. ft. paving, 3000 lin. ft. curb, 18,000 sq. ft. sidewalk, culverts, moving buildings and incidentals.

STOCKTON, San Joaquin Co., Cal.—City Council declares intention to construct concrete sidewalks 6 ft. wide, 4 in. thick in north side of Jackson St. opposite lot 6 block 83 south of Mormon channel. W. B. Hogan, City Engineer.

BERKELEY, Alameda Co., Cal.—Until Oct. 18, 10 a. m., bids will be received by E. M. Hann, City Clerk, for improving east half of Grant St. from Rose St. 80 ft. northerly by constructing concr. curbs and gutters, cement sidewalks, paving with oil macadam. Imp. Act 1911.

Separate bids, same date for constructing cement sidewalks in portions of Harrison, Gilman, Camelia, Page, Cedar and other streets. Imp. Act 1911. Cert. check 10% payable to city required with each bid. C. L. [illegible], City Engineer.

PETALUMA, Sonoma Co., Cal.—City Engineer N. S. Frost preparing specifications for sewer in Fourth St. from C to B Sts.

NAPA, Napa Co., Cal.—Mrs. E. E. O'Brien, Martinez, at $12,090.70 awarded contract by Supervisors for grading a portion of the county road in upper Chiles Valley, between the Henry Chiles house and the supervisorial district line between Districts 2 and 3, a distance of 3.2 miles. Other bidders were: John Cogo, $17,891.36; Galbraith & Janes, $17,964.80; R. J. Blanco, $13,806.70. Edw. P. Ball, County Surveyor.

RICHMOND, Contra Costa Co., Cal.—Following bids received and taken under advisement by Council for improving 2nd St. from A. T. & S. F. right-of-way to Cutting Blvd. by grading, paving with 2-course asphaltic concrete 5 in. thick, constructing concrete curbs with galv. steel curb bars concrete gutters, sidewalks and driveways, open drains, wing walls and portals, corru. iron or steel culverts and vit. sewer pipe: L. L. Page, Richmond, $25,980; F. W. Bilger, $24,718.79; S. C. Rogers, $25,769.33; Municipal Improvement Co., 357 12th St., Oakland, $24,-

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MARTINEZ, Contra Costa Co., Cal.—Mrs. E. O'Brien, Martinez, at $1812 awarded contract by Supervisors for paving Sec. No. 3 of Div. 23, that portion of unpaved road bet. the east end of Crockett and the State Highway, a distance of 2364 ft. R. R. Arnold, County Engineer.

YUBA CITY, Sutter Co., Cal.—M. C. Hilliard, Sacramento, at $14,335.75 awarded contract by Supervisors for constructing the Bunce lateral, from the Bunce tract to the southerly limits of Yuba City, to be paved with reinforced concrete, 15 ft. wide, 5 in. thick, 0.50 of a mile long, involving 2100 cu. yds. excavation; 10 lin. ft. 54-in. corrugated metal pipe; 12 cu. yds. concrete headwalls; 625 cu. yds. reinforced concrete pavement; 400 lin. ft. guard rail. Contractor to furnish materials.

Chesson & Lilly, Marysville, at $5040 awarded contract for Lincoln Lateral from Lincoln school to Bunce lateral, to be of crushed rock or Butte House rock (approx. 1600 cu. yds.) 15 ft. wide, 5 in. thick, 0.88 miles in length. Contractor to furnish materials. Edw. von Geldern, County Engineer.

STATE WATER COMMISSION

SAN FRANCISCO.—Following permits granted by State Water Commission, New Call Bldg., between July 28th and August 31st:

Permit No. 898 (Shasta Co.) Guy T. Wayman, 186 cu. ft. per sec. from Fall River, Shasta County, for irrigation of 15,680 acres. Diversion by means of canal 7 miles long. Estimated cost $240,000.

Permit No. 899 (Shasta Co.) Guy T. Wayman, San Francisco, Cal., 54 cu. ft. per sec. from Fall River, tributary of Pitt River, Shasta County, for agricultural purposes. Diversion by means of [illegible].

Permit No. 905 (San Diego Co.) San Dieguito Mutual Water Co., San Dieguito, Cal., 8 cu. ft. per sec. from Escondido Creek, San Diego Co. for irrigation of 3600 acres. Diversion by means of San Elijo pipe line and San Elijo Reservoir. Estimated cost $250,000.

APPLICATION

Following applications were filed with Commission during the month of August for permits to appropriate water:

Application No. 2463 (Lassen Co.) John B. Lamb, 572 So. 4th East Street, Salt Lake City, Utah, 2000 cu. ft. per sec. from Eagle Lake, Lassen County, for irrigation of 200,000 acres. Diversion by means of ditches.

Application No. 2467 (El Dorado Co.) City of Sacramento, Sacramento, Calif. 150 cu. ft. per sec. direct diversion and 32,000 ac. ft. per annum storage from South Fork of Silver Creek, tributary of South Fork American River, El Dorado County, for power purposes. Amount of power to be developed 11,300 t. h. p. Diversion by means of canal 6 miles long.

Application No. 2468 (El Dorado Co.) City of Sacramento, Sacramento, Calif. 300 cu. ft. per sec. direct diversion and 90,000 ac. ft. per annum storage from Silver Creek, tributary of So. Fork American River, El Dorado County, for power purposes. Amount of power to be developed 110,000 t. h. p. Diversion by means of main canal 7½ miles long.

Application No. 2469 (El Dorado Co.) City of Sacramento, Sacramento, Calif. 309 cu. ft. per sec. direct diversion and 90,000 ac. ft. per annum storage from Silver Creek, tributary of South Fork American River, El Dorado County, for municipal purposes. Diversion by means of aqueduct 60 miles long.

Application No. 2470 (El Dorado Co.) City of Sacramento, Sacramento, Calif. 250 cu ft. per sec. direct diversion and 90,000 ac. ft. per annum storage from Silver Creek, tributary to South Fork of American River, El Dorado County, for power purposes. Amount of power to be developed 18,700 t. h. p.

Application No. 2472 (Riverside Co.) Temescal Water Co., Corona Calif. 2000 acre ft. per annum storage from Indian Creek, tributary of Temescal Creek, Riverside County, for irrigation of 5000 acres. Diversion by means of ditches and pipe line 3000 ft. long. Estimated cost, $12,000.

Application No. 2479 (El Dorado Co.) City of Sacramento, Sacramento, Calif. 200 cu. ft. per sec. direct diversion and 45,000 ac. ft. per annum storage from Little South Fork Rubicon River, El Dorado County, for power purposes. Amount of power to be developed 54,000 t. h. p. Diversion by means of tunnel and ditch.

Application No. [illegible] (El Dorado Co.) City of Sacramento, Sacramento Calif. 150 cu. ft. per sec. direct diversion and 5000 ac. ft. per annum storage from Rubicon River, tributary of Middle Fork American River, El Dorado County, for power purposes. Diversion by means of ditch 7 miles long.

Application No. [illegible] (El Dorado Co.) City of Sacramento, Sacramento, Calif. 70 cu. ft. per sec. direct diversion and 42,000 ac. ft. per annum storage, from Gerle Creek, tributary of South Fork [illegible] El Dorado County, for power purposes.

Application No. 2482 (San Benito Co.) Wm. Newmann and Dave Hirstel, San Francisco, Calif. 300,000 ac. ft. per annum storage from San Benito Creek and twelve small streams, namely, James Creek; unnamed creek in Devils Canyon; Rock Springs Creek; unnamed north branch of Rick Springs Creek; unnamed South Fk. of creek in Smoker Canyon; unnamed No. Fork of Creek in Smokers Canyon; unnamed creek with source near Big Oak Flat; Salt Creek; unnamed creek in The Hole Canyon; unnamed creek with source near Chemise Ridge; unnamed creek with source near Chemise Ridge and Trespenos Creek, San Benito County. Water to be used for irrigation of 150,000 acres. Diversion by means of canal 50 miles long.

Application No. [illegible] (San Benito and Monterey Cos.) Wm. Newmann and Dave Hirstel, San Francisco, Calif. 100,000 acre ft. per annum storage from [illegible] Monterey [illegible] utary to Lewis Creek, namely, unnamed [illegible] R. 11 E.; unnamed creek, source in Sec. 35, T. 19 S. R. 11 E.; unnamed East [illegible] T. 19 S. R. 11 E.; unnamed creek with [illegible] Fork of San Lorenzo Creek. Water to [illegible] long.

(Continued on Page [illegible])

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2156	Monson	Owner	4000
2157	Denhard	Owner	8400
2158	Frediani	Guisti	890
2159	Wandte	Hogrefe	7005
2160	Hinz	Owner	2000
2161	Tiscornia	Owner	2450
2162	Welsh	Owner	15000
2163	Reinhart	Lewis	6000
2164	Chandler	Mangles	11200
2165	Lindeman	Lindeman	5160
2166	Horne	Becker	690
2167	Strah	Carlson	725
2168	Gleason	Falvey	16000
2169	Same	Same	24000
2170	Mayer's	Sass	950
2171	Bowman	Mori	500
2172	Dietel	Owner	500
2173	Goodman	Mooney	980
2174	Kolby	Owner	2000
2175	Morbio	Morbio	3900
2176	Persson	Owner	850
2177	Calif. Invst	Owner	40000
2178	Harrington	Owner	3500
2179	Collopy	Adler	10000
2180	Waterhouse	Vogt	1484
2181	Larsen	Larsen	9500
2182	Janssen	Owner	3500
2183	Orsi	Pasqualetti	500
2184	Mission	Diestel	10000
2185	Morris	Owner	6800
2186	Manufacturers'	Owner	30000
2187	Steiger	Owner	1000
2188	McLaughlin	McLaughlin	500
2189	Brocks	Hogberg	700
2190	Macdonough	Barrett	3287
2191	Helgeson	Owner	7000
2192	Macdonough	Barrett	3287
2193	Cames	Reilly	500
2194	Marini	Polati	550
2195	Bjorkman	Nelson	4000
2196	Smith	Owner	500
2197	Hueter	Boxton	15000
2198	Smith	Sandberg	600
2199	Osborne	Osborne	12000
2200	Di Bari	Frank	1225
2201	Mendell	Merritt	500
2202	Harris	Owner	500
2203	Brotrel	Tarbitt	3050
2204	Anderson	Owner	9000
2205	Levi	Barrett	800
2206	Ebey	Merritt	700
2207	Grimes	Owner	1000
2208	Biller	Phoenix	500
2209	Curran	Scott	12136
2210	Parker	Olsen	8600
2211	Pac. States	Hjul	5000
2212	Dimmer	Owner	4000
2213	Hinz	Owner	15000
2214	Miller	Owner	4000
2215	McDonald	Owner	4000
2216	Ostlund	Ostlund	500
2217	Schutt	Koenig	1500
2218	Allio	Owner	3500
2219	Dolan	Inlaid	2300

Correction in Name and Address of Contractor.

RECORDED

FLOORING

(2151) N VALLEJO — E Buchanan. 6000 feet hardwood flooring for apartment house.

Owner—E. H. Hildebrand, 68 Post St., San Francisco.

Architect—None.

Contractor—Inlaid Hardwood Co., 5636 Geary St., San Francisco.

Filed Sept. 29, '21. Dated Sept. 12, '21.

Accepted .....$1[illegible]

TOTAL COST, $15[illegible]

Bond, limit, forfeit, plans and specifications, none.

Correction—Architect's Name Omitted

LATHING, ETC.

(2153) NE NEW MONTGOMERY AND Mission. Metal lathing and furring for exterior walls, suspended ceilings, etc., for Crossley Bldg.

Owner—A. Aronson, Louis Metzger and Louis Schoenberg.

Architect — Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.

Contractor—National Lathing Co., Monadnock Bldg., San Francisco.

Filed Sept. 29, '21. Dated Sept. 26, '21.

½ of work completed.....$2887.50

Completed and accepted..... 2887.50

Usual 35 days..... 1925.00

TOTAL COST, $7700.00

Bond, none. Limit, 30 days. Forfeit, plans and specifications, none.

Correction in Name and Address of Contractor.

HARDWOOD FLOORING

(2076) BUSH near Taylor. All work for hardwood flooring in apartment house.

Owner—Jas. Welsh, 597 20th Ave., San Francisco.

Architect—None.

Contractor—Inlaid Hardwood Co., 5636 Geary St., San Francisco.

Filed Sept. 26, '21. Dated Sept. 12, '21.

Payments every Friday of..... 70%

Balance on completion .....

TOTAL COST, $1840

Bond, limit, forfeit, none. Plans and specifications, none.

PERMITS

RESIDENCE

(2156) S CABRILLO 107-6 W 22nd Ave. Two-story and basement frame residence.

Owner—R. Monson, Care Architect.

Architect—Martin Sheldon, 110 Sutter St., San Francisco.

Day's work. $4000

STORE AND FLAT BLDG.

(2157) SW CABRILLO AND TENTH Ave. Two-story and basement frame market (store and flat.)

Owner—Otto E. Denhard, 711 11th Ave., San Francisco.

Architect—None.

Day's work. $8400

ALTERATIONS

(2158) 1039 GREEN. Re-arrange entrance for flats and add sleeping porches.

Owner—G. Frediani, Premises.

Architect—None.

Contractor—S. A. Guisti, 617 Sansome St., San Francisco. $890

FRAME STORES

(2159) NE IRVING AND EIGHTH Ave. One-story and basement frame (5) stores.

Owner—Mrs. Wandte, 1452 6th Ave., San Francisco.

Architect—Edward E. Young, 251 Kearny St., San Francisco.

Contractor - Herman Hogrefe, [illegible] Leavenworth St., San Francisco. $7000

ALTERATIONS

(2160) SE MARKET AND FIFTH Re-arrange partitions, etc., for millinary shop.

Owner—Hinz & Landt, 5th and Market Sts., San Francisco.

Architect—Will H. Toepke, 942 Market St., San Francisco.

Day's work. $2000

RESIDENCE

(2161) N CABRILLO 70 E Twenty-third Ave. One-story and basement frame residence.

Owner—Domonic Tiscornia, 83 Meda Ave., San Francisco.

Architect—None.

Day's work. $2450

APARTMENTS

(2162) N SEVENTEENTH 200 E Dolores. Three-story and basement frame (6) apartments.

Owner — J. Welsh, 68 Post St., San Francisco.

Architect — Mathew O'Brien, 68 Post St., San Francisco.

Day's work. $15,000

RESIDENCE

(2163) W DEWEY BLVD. 460 N Pacheco. Two-story and basement frame residence.

Owner—C. E. Reinhart, 17th & Kansas Sts., San Francisco.

Architect—None.

Contractor—H. C. Lewis, 68 Post St., San Francisco. $6000

RECORDED

RESIDENCE

(2164) LOT 19 BLK 2, St. Francis Wood. All work for two-story and basement frame residence.

Owner—D. B. Chandler, 22 Battery St., San Francisco.

Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Contractor—Wm. J. and H. C. Mangels 4792 Mission St., San Francisco.

Filed Oct. 1, '21. Dated Sept. 29, '21.

Frame up and roof boards on..$2800

Brown coated 2800

Completed and accepted..... 2800

Usual 35 days..... 2800

TOTAL COST, $11,200

Bond, $5600. Sureties, Mrs. Dora Mangels and Annie L. Kohlbecker. Limit, 90 days. Forfeit, $5. Plans and specifications filed.

NOTE:—Permit reported Sept. 21, 1921, No. 2011.

BUNGALOW

(2165) E TENTH AVE 200 N Anza N 25xE 120. All work for one-story bungalow.

Owner—H. O. Lindeman, 232 Anza St., San Francisco.

Architect—None.

Contractor—W. R. Lindeman, 530 Balboa St., San Francisco.

Filed Oct. 1, '21. Dated Sept. 22, '21.

Frame up and enclosed.....$1275

Rough plastered 1275

Completed and accepted..... 1275

Usual 35 days..... 1275

TOTAL COST, $5100

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

NOTE.—Permit reported Sept. 20, 1921, No. 2004.

GARAGE

(2166) 30 FAIR OAKS (rear). One-story frame private garage.

Owner—A. F. Horne, Premises.

Architect—None.

Contractor—H. A. Becker, 3444 22nd St., San Francisco. $690

ALTERATIONS

(2167) 279 GRANADA AVE. Alterations for living rooms.

Owner—A. G. Strah, Premises.
Architect—None.
Contractor—Gust Carlson, 1107 Ocean Ave., San Francisco. $725

FLATS
(2168) SW LAKE AND TWENTY-sixth Ave. Two-story and basement frame (4) flats.
Owner—Henry R. Gleason, 2254 Fulton St., San Francisco.
Architect—None.
Contractor—A. J. Falvey, 2099 Lake St., San Francisco. $16,000

FLATS
(2169) S LAKE 40, 65 and 90 W 24th Ave. Three two-story and basement frame (2) flats.
Owner—Annie L. Gleason, 2254 Fulton St., San Francisco.
Architect—None.
Contractor—A. J. Falvey, 2099 Lake St., San Francisco. $8000 each

ALTERATIONS
(2170) PINE near Kearny St. Alterations and changes in restaurant.
Owner—Maye's Oyster House, California Market, San Francisco.
Architect—None.
Contractor—Saas & Son, 134 St. Anne St., San Francisco. $950

ALTERATIONS
(2171) 2460 UNION. Construct brick wall and cement floor for dwelling.
Owner—Mrs. F. Bowman, Premises.
Architect—None.
Contractor—G. Morl, 5 Charlton Court, San Francisco. $500

GARAGE
(2172) 384 FAIR OAKS. One-story concrete private garage.
Owner—Armo R. Dietel, Premises.
Architect—None.
Day's work. $500

ALTERATIONS
(2173) 821 FELL. Re-arrange present dwelling for (2) flats.
Owner—Mrs. M. Goodman, Premises.
Architect—None.
Contractor—M. Mooney, 12 Valencia St., San Francisco. $980

DWELLING
(2174) W FLORIDA 90 S 25th. One-story and basement frame dwlg.
Owner—Geo. Kolby, 1309 20th St., San Francisco.
Architect—None.
Day's work. $2000

STORES
(2175) N OCEAN AVE. 57.05 E Granada. One-story frame (4) stores
Owner — A. & C. S. Morbio, 729 New Call Bldg., San Francisco.
Architectural Designer —Adolph Morbio, New Call Bldg., S. F.
Contractor—Adolph Morbio, New Call Bldg., S. F. $3900

ALTERATIONS
(2176) 1065 SANCHEZ. Remodel entrance for two flats.
Owner—S. Persson, Premises.
Architect — J. C. Hladik, Monadnock Bldg., San Francisco.
Day's work. $850

APARTMENTS
(2177) SE SPRUCE AND WASHINGton. Three-story and basement frame (6) apartments.
Owner—California Investment & Financial Co., 418 Mills Bldg., S. F.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Day's work. $40,000

RESIDENCES
(2178) W TWENTY-SIXTH AVE 275-7 305-7 and 335-7 N Cabrillo. Three one-story and basement frame residences.
Owner—A. Harrington, 759 26th Ave., San Francisco.
Architect—None.
Day's work. $3500 each

RECORDED

APARTMENTS
(2179) S GEARY 82-6 E 38th Ave E 25 xS 100. All work for two-story and basement frame apartment building.
Owner—George & Ingrid Collopy, 51-A Walter St., San Francisco.
Plans by Contractor.
Contractor—Klaus Adler, 1908 Webster St., San Francisco.
Filed Oct. 3, '21. Dated Sept. 1, 1921.
Frame up and roof covered.....$2500
Brown coated 2500
Completed and accepted..... 2500
Usual 35 days..... 2500
TOTAL COST, $10,000
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.
NOTE—Permit also applied for today

ALTERATIONS
(2180) NW HOWARD 423 NE Second NE 90xNW 165. Carpenter, concrete, plumbing, hardware and steel work for alterations to sidewalk in front of building.
Owner—Waterhouse & Lester Co., 540 Howard St., San Francisco.
Architect—A. W. Cornelius, Merchants National Bank Bldg., S. F.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.
Filed Oct. 3, '21. Dated Sept. 28, '21.
When concrete poured in retaining wall 50%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, $1487
Bond, $750. Sureties, C. S. Hoffman and J. S. Davidson. Limit, 30 days. Forfeit, none. Plans and specifications filed.

STORE & FLATS
(2181) S BUSH 68.9 W Taylor. One-story and basement brick store and (2) flats.
Owner—F. L. Larsen, 658 Bush St.
Architect—C. Rogers.
Contractor—Larsen-Siegrist Co., 305 Claus Spreckels Bldg. $9500

DWELLING
(2182) S BALBOA 82.6 W 16th Ave. One-story and basement frame dwelling.
Owner—E. A. Janssen, 402 Hearst Bldg.
Architect—Plans by owner.
Day's work. $3500

RETAINING WALL
(2183) NO. 45 COLUMBUS AVE. Construct concrete retaining wall.
Owner—G. Orsi, Premises.
Architect—None.
Contractor—J. Pasqualetti, No. 785 Market St. $500

REPAIRS
(2184) NO. 3541 18TH ST. Repair fire damage to gymnasium and social hall.
Owner—Mission Turn Verein, Inc., No. 248 Russ Bldg.
Architect—None.
Contractor—John Diestel, No. 248 Russ Bldg. $10,000

FLATS
(2185) W 8TH AVE 155 S Balboa. Two-story and basement frame (2) flats.
Owner—A. T. Morris, No. 501 11th Ave.
Architect—Plans by owner.
Day's work. $6,800

LOFTS
(2186) SW FIRST & CLEMENTINA Sts. Three-story and basement brick lofts.
Owner—Manufacturers' Building Corporation, Call Bldg.
Architect—Plans by owners.
Day's work. $30,000

ALTERATIONS
(2187) S EIGHTEENTH 200 E Folsom Extend warehouse over driveway.
Owner—Steiger & Kerr Stove Foundry Co., 18th and Folsom Sts., S. F.
Architect—None.
Day's work. $1000

RETAINING WALL
(2188) 660-664 HOWARD. Construct retaining wall for warehouse.
Owner—McLaughlin Estate, Premises.
Architect—None.
Contractor—J. L. McLaughlin, 251 Kearny St., San Francisco. $500

ALTERATIONS
(2189) W SEVENTEENTH 200 — Howard. Remove firewall and rebuild same.
Owner—P. C. Brocks, 2216 Lincoln Av., Alameda.
Architect—None.
Contractor—E. Hogberg, 180 Jessie St., San Francisco. $700

RECORDED

CLASS C BLDG.
(2190) N BUSH 24 W St. George Alley W 24xN 59-6. All work for one-story Class C building.
Owner—Macdonough Estate Co.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
Filed Oct. 4, '21. Dated Oct. 1, '21.
Concrete walls poured.....$1232
Completed and accepted..... 1232
Usual 35 days..... 823
TOTAL COST, $3287
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

SHOP
(2191) E BELDEN 97.6 S Pine. Three-story brick studio-frame shop.
Owner—N. R. Helgesen, No. 345 Sutter St., City.
Engineer—Frank C. Kitson, Hobart Bldg., City.
Day's work. $7000

WAREHOUSE
(2192) N BUSH 24 W St George Alley. One-story concrete warehouse.
Owner—Macdonough Estate Co., No. 318 Kearny St., San Francisco.
Architect—H. C. Baumann, No. 251 Kearny St., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco. $3287

ALTERATIONS
(2193) NO. 63-65 CLAY ST. Change front and erect mezzanine floor for machinery salesroom.
Owner—Louis and Frank Cames, No. 281 Bartlett St., San Francisco.
Architect—None.
Contractor—P. F. Reilly, No. 180 Jessie St., San Francisco. $500

REBUILD PORCH
(2194) NO. 112 CONNECTICUT. Rebuild porch.
Owner—G. B. Marini, No. 114 Connecticut St., San Francisco.
Architect—None.
Contractor—G. Polati, No. 2229 Union St., San Francisco. $550

RESIDENCE
(2195) W 18TH AVE 175 N Cabrillo. Two-story and basement frame residence.
Owner — Chas. Bjorkman, No. 1330 Scott St., San Francisco.
Architect—None.
Contractor—N. J. Nelson, No. 1505 Balboa St., San Francisco. $4000

ALTERATIONS
(2196) NO. 56 FREMONT ST. Rearrange office partitions and cut hatchway to second floor.
Owner—Smith-Booth-Usher Co., No. 56 Fremont St., San Francisco.
Architect—None.
Day's work. $500

RESIDENCES
(2197) W SANTA ANA 35, 75 and 155 N. Darien Way. Three 1-story and basement frame residences.
Owner—O. M. Hueter, No. 805 Flatiron Bldg., San Francisco.
Architect—Harold G. Stoner, No. 61 New Montgomery St., San Francisco.
Contractor—Boxton & Zwieg, No. 809 Flatiron Bldg., S. F. $5,000 ea.

ALTERATIONS
(2198) NO. 170-172 ALPINE TERRACE. Excavate for basement; cement work, etc., for flats.
Owner—Chas. Smith, Premises.
Architect—None.
Contractor—Sandberg & Essmann, 501 4th St., San Francisco. $600

STORES AND FLATS
(2199) NW CLEMENT AND EIGHTH Ave. Two story frame stores and (2) flats.
Owner—E. J. Osborne Trustee for E. M. Robbins, 1300 Sacramento St., San Francisco.
Architect—Eric J. Osborne, 593 Market St., San Francisco.
Day's work. $12,000

ALTERATIONS
(2200) NO. 72 COLERIDGE. Alter for private garage, cement floor and alley ways, etc.
Owner—F. Di Bari, Premises.
Architect—A. W. Richardson, 941½ Church St., San Francisco.
Contractor—Carl Frank, 305 Bocana St., San Francisco. $1225

ALTERATIONS
(2201) NO. 1612 HYDE. Alter for private garage.
Owner—M. Merdell, Premises.
Architect—None.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $500

ALTERATIONS
(2202) NE JONES AND POST. Alter for bakery and restaurant.
Owner—Harris Bros., Premises.
Architect—None.
Day's work. $500

RESIDENCE
(2203) E MEDA AVE 292-6 S Delano. One-story and basement frame residence.
Owner—B. Brotrel, 1174 Treat Ave., San Francisco.
Architect—None.
Contractor—Jas. Tarbitt, 386 Fair Oaks St., San Francisco. $3000

RESIDENCES
(2204) N MOHAWK 25 and 50 E Bertita and NE Cor. Three 1-story and basement frame residences.
Owner—K. Anderson, 133 Bertita Ave., San Francisco.
Architect—None.
Day's work. $3000 each

REPAIRS
(2205) NO. 111 NEW MONTGOMERY. Repair fire damage.
Owner—M. H. Levi Co., Premises.
Architect—None.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco. $800

ALTERATIONS
(2206) NO. 399 STEINER. Remodel front for social hall.
Owner—Mr. Ebey, Premises.
Architect—None.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $700

ALTERATIONS
(2207) 3020 TWENTY FIFTH. Alter for two rooms and private garage in residence.
Owner—F. Grimes, Premises.
Architect—None.
Day's work. $1000

REPAIRS
(2208) N TOWNSEND 100 E Third. Repair and replace sidewalk lights
Agent—John Biller, 460 Montgomery St., San Francisco.
Architect—None.
Contractor—Phoenix Sidewalk Light Co., Monadnock Bldg., San Francisco. $500

RECORDED

PLUMBING
(2209) S GEARY 137-6 W Mason W 106xS 137-6. Plumbing for theatre building.
Owner—Curran Theatre Co.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Scott Co., 243 Minna St., San Francisco.
Filed Oct. 5, '21. Dated Oct. 4, '21.
Roughed in $6068
Completed 3034
Usual 35 days..... 3034
TOTAL COST, $12,136
Bond, $12,136. Surety, Fidelity & Deposit Co. of Maryland. Limit, forfeit, none. Plans and specifications filed

GARAGE
(2210) OCEAN AVE S 25 — Lakeside being Lots 23 and 24 Blk 24, Lakeview. All work for one-story concrete garage building.
Owner—Jeanie Parker, 2629 Mission St., San Francisco.
Architect—W. Cuthbertson, 2265 Market St., San Francisco.
Contractor—Olaf Olsen, 2771 San Jose Ave., San Francisco.
Filed Oct. 5, '21. Dated Sept. 15, '21.
Frame up $2150
Brown coat on..... 2150
Completed 2150
Usual 35 days..... 2150
TOTAL COST, $8600
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Sept. 30, 1921 No. 2134.

RETAINING WALL
(2211) W CLAYTON BET CARMEL and Corbett Aves. Construct reinforced concrete retaining wall.
Owner—Pacific States Savings & Loan Co.
Engineer—J. H. Hjul, No. 850 Monadnock Bldg., S. F.
Contractor—J. H. Hjul, No. 850 Monadnock Bldg., S. F. $5000

AUTO WASH. SHOP
(2212) N CLAY 55 W Polk. One-story brick auto washing shop.
Owner—Dimmer Hardware Co., No. 1715 Polk St., San Francisco.
Architect—None.
Day's work. $4000

ALTERATIONS, ETC.
(2213) SE FIFTH & MARKET STS. General alterations and repairs for medical offices.
Owner—Hinz & Landt Co., premises.
Architect—Will H. Toepke, No. 942 Market St., San Francisco.
Day's work. $15,000

STORES
(2214) N CLEMENT 107-6 W Second Ave. One-story frame (2) stores.
Owner—Wm. A. Miller, 771 9th Ave., San Francisco.
Architect—Thomas Bros., 281 Russ Bldg., San Francisco.
Day's work. $4000

RESIDENCES
(2215) S MISSION 125 and 150 E Italy. Two 1-story and basement frame residences.
Owner—P. M. and R. M. McDonald, No. 1049 Treat Ave., San Francisco.
Architect—None.
Day's work. $2000 ea.

ALTERATIONS
(2216) NO. 728 FUNSTON AVE. Construct bay window and enclose porch.
Owner—Hilder E. Ostlund, Premises.
Architect—Ostlund & Johnson, 1901 Bryant St., San Francisco.
Contractor — Ostlund & Johnson, Bryant St., San Francisco. $500

FLATS
(2217) NW HAYES AND CLAYTON. Two-story and basement frame (4) flats.
Owner—Mrs. Chas. Schutt.
Architect—Wm. Koenig, 788 16th Ave., San Francisco.
Contractor—Koenig Bldg. Co., 520 Church St., San Francisco. $15,000

DWELLING
(2218) S GENEVA 128 W Madrid. One and one-half-story and basement frame dwelling.
Owner—Miss Josephine Allio, 139 Farallones St., San Francisco.
Architect—None.
Day's work. $3500

RECORDED

HARDWOOD FLOORS
(2219) ON EIGHTEENTH AVE. near Anza. All work for hardwood floors in two buildings.
Owner—D. J. Dolan, 1639 Market St., San Francisco.
Architect—None.
Contractor—Inlaid Hardwood Co., 5636 Geary St., San Francisco.
Filed Oct. 6, '21. Dated Oct. 6, '21.
Work to be paid for on completion of each house.....
TOTAL COST, $2300 or 23c per sq. ft.
Bond, limit, forfeit, plans and specifications, none.

RETAINING WALL
NO. 540 HOWARD ST. Construct concrete retaining wall.
Owner—Waterhouse & Lester, premises.
Architect—A. W. Cornelius, Merchants Nat. Bank Bldg., San Francisco.
Contractor—Alfred H. Vogt, No. 1350 Stevenson St., S. F. $1437
NOTE:—Recorded contract reported Oct. 4, 1921, No. 2180.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Oct. 6, 1921—W TWELFTH AVE 200 N Fulton N 25xW 120. Alfred T Morris to whom it may concern .....Oct. 6, 1921
Oct. 6, 1921—CLAYTON NO. 1268. E A Sweeney to whom it may concern.....Oct. 5, 1921
Oct. 6, 1921—W BUCHANAN 132-6 N California N 33xW 110. Jas Cantley to M C Ingraham.Oct. 3, 1921
Oct. 6, 1921—N McALLISTER 162 E Fillmore E 50xN 137-6. B Langendorf to L Salomon.....Oct. 5, 1921..
Oct. 6, 1921—N PINE 73-1¼ E Scott N 137-6xE 21-10½. Gustave Niebaum Co to Ira W Coburn.Oct 5, 1921
Oct. 6, 1921—NE BUSH AND HYDE E 137 00" N 137-6 W 57-6 N 10 W 137-6 S 147-6. St. Francis Hospital Co to Ira W Coburn.....Oct. 4, 1921
Oct. 5, 1921—NW PINE & MONTGOMery N 125xW 138-6. Commercial Union Assurance Co & The California Insurance Co to McGilvray Raymond Granite Co.....Oct. 4, 1921
Oct. 5, 1921—FIFTH AVE No. 180 to 186. Chas E Wilson to whom it may concern .....Oct. 5, 1921
Oct. 4, 1921—W STANYAN 231-4¾ S from NW San Miguel Rd S 25 x W 120 Henrietta L. B. Sutro to whom it may concern.....Oct. 3, 1921

Oct. 4, 1921—W STANYAN 283-2⅞ S from NW San Miguel Rd S 25 x W 120. Henrietta L. B. Sutro to whom it may concern.....Oct. 3, 1921

Oct. 4, 1921—W STANYAN 513-8¾ S from NW San Miguel Rd S 25 x 120. Henrietta L. B. Sutro to whom it may concern.....Oct. 3, 1921

Oct. 4, 1921—W STANYAN 251-3¾ S from NW line San Miguel Rd S 25 x W 120. Henrietta L. B. Sutro to whom it may concern..Oct. 3, 1921

Oct. 4, 1921—W STANYAN 360-11¾ S from NW San Miguel Rd S 25 x 120. Henrietta L. B. Sutro to whom it may concern.....Oct. 3, 1921

Oct. 4, 1921—W STANYAN 337-9¾ S from NW line San Miguel Rd S 25 x W 120. Henrietta L. B. Sutro to whom it may concern..Oct. 3, 1921

Oct. 4, 1921—W STANYAN 309-1¾ S from NW San Miguel Rd S 25 x W 120. Henrietta L. B. Sutro to whom it may concern....Oct. 3, 1921

Oct. 4, 1921—W STANYAN [illegible] S from NW San Miguel Rd S 25 x W 120. Henrietta L. B. Sutro to whom it may concern....Oct. 3, 1921

Oct. 4, 1921—W STANYAN 205-5¾ S from NW San Miguel Rd S 25 x W 120. Henrietta L. B. Sutro to whom it may concern....Oct. 3, 1921

Oct. 3, 1921—W 6TH AVE 75 S Irving Edw. and Matilda Dreyer to whom it may concern.....Sept. 26, 1921

Oct. 3, 1921—NW PINE & MONTgomery N 125 x W 138-6. Commercial Union Assurance Co. & The California Ins. Co. to International Casement Co. Sept. 29, 1921

Oct. 3, 1921—E 22ND AVE 233-4 N Ulloa N 33-4 x E 120. E 22nd Ave 300 N. Ulloa N. 33-4 x E 120. Parkside Realty Co. to whom it may concern .....Oct. 3, 1921

Oct. 3, 1921—SE GOLDEN GATE Ave & Jones E 162-6 x 181-7⅝ SW 159-9 W 32-10½ N 275. Famous Players-Lasky Corp. of Cal. to Pacific Fire Extinguisher Co.....Oct. 1, 1921

Oct. 3, 1921—E 23RD AVE 100 N Cabrillo N 50 x E 120. Harry Wissman to Meyer Bros.....Oct. 3, 1921

Oct. 3, 1921—SE SIXTEENTH AVE and Geary. W A Savage to whom it may concern.....Oct. 3, 1921

Sept. 28, 1921—W FIFTEENTH AVE 175 N Fulton N 25xW 120. Hermann Bornholdt to whom it may concern.....Sept. 28, 1921

Sept. 30, 1921—E TWELFTH AVE 125 N Fulton N 25xE 120. Henry Von Der Wettern to Roy Galliher .....Sept. 29, 1921

Sept. 30, 1921—W SIXTEENTH AVE 275 N Balboa 25x120. John A Pearson to whom it may concern.....Sept. 30, 1921

Sept. 30, 1921—W FORTY-THIRD Ave 230 N Fulton N 25xW 120. John Bjorkman to whom it may concern.....Sept. 29, 1921

Sept 30, 1921—NE ARGUELLO BLVD and Geary No. 3650 Geary. H J Kurz to whom it may concern.....Sept. 30, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Sept. 30, 1921—W PENNSYLVANIA 150 N 23rd. The Greater City Lumber Co vs C E Lewis ..... $[illegible]

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Oct. 6, 1921—W THIRTIETH AVE 237-6 S Clement S 20xW 120. Chas Bros to A R Lapham and Theo H Lapham $57.91

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Oct. 6, 1921—N ELLIS 137-6 W Steiner W 50x137-6. United Rentals Co as to improvements on property.....

Oct. 3, 1921—N CALIFORNIA, Marvin Bldg., No. 2026 California. M A Gunst as to improvements on property.....

Oct. 1, 1921—S BUSH 112-6 E Mason E 25xS 88. Ann Eliza Cavanagh as to improvements on property...

Oct. 1, 1921—S WASHINGTON 106-3 E Lyon E 25xS 127-8½. Alice C Cunningham as to improvements on property.....

Sept. 30, 1921—N FOLSOM bet. 8th and 9th, No. 1222 Folsom. N E Roy as to improvements on property .....

Sept. 30, 1921—W MISSION 61-6 N 22nd N 45x125. John and Pauline Tenningsen as to improvements on property.....

RELEASE OF BUILDING CONTRACT

SAN FRANCISCO COUNTY

Sept. 30, 1921—Contract Filed May 17, 1921 Nathan Mamlar with J. S. Manuel.

ARCHITECT'S CERTIFICATE

Sept. 29, 1921—Herman C. Baumann has filed his certificate of architecture for San Francisco County.

SEPTEMBER BUILDING SUMMARY FOR SAN FRANCISCO

Following is a report of San Francisco building operations for the month of September, 1921, as shown by the records of the Bureau of Building Inspections of the Board of Public Works:

Class	Number of Permits	Est. Cost
"A"	4	$ 368,000
"B"	1	80,000
"C"	13	334,250
Frames	162	884,723
Alterations	449	281,190
Public	2	152,000
Total	631	$2,100,163

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
3359	Arthur	Owner	3000
[illegible]	Werner	Owner	2000
3371	Cal	Barrett	5267
[illegible]	Berson	Petersen	3000
3373	Thompson	Owner	500
3374	Robinson	Fredricksen	3000
3375	Dicky	Walker	3500
[illegible]	Sacred Heart	Power	2000
3377	[illegible]	Smith	1884
3378	[illegible]	Owner	600
3379	[illegible]	Santos	700
3380	Christensen	Person	3750
[illegible]	[illegible]	Owner	430
3382	[illegible]	Lyon	475
3383	Majors	Owner	6000
3384	[illegible]	Owner	3000
3385	Cherry	Koski	1500
3386	Riley	Yerrick	500
3387	Fenton	Fenton	11000
[illegible]	Dean	Blucher	[illegible]
3389	Rogers	Owner	7000
3390	[illegible]	Yates	20000
3391	[illegible]	Blucher	3000
3392	Henas	Owner	3500
3393	Cuneo	Bertoldi	6600
3394	Hogal	Cushman	2500
3395	Bridgewater	Owner	3500
3396	Breih	Pickering	400
3397	Moss	Tamm	500
[illegible]	Bouleware	Hollenbeck	3500
3399	Jackson	Owner	2500
[illegible]	Huddart	Carson	[illegible]
[illegible]	Pantosky	Leach	75000
[illegible]	Western	[illegible]	[illegible]
[illegible]	Unnewehr	[illegible]	[illegible]
3404	Pallen	Owner	[illegible]
[illegible]	Marques	Owner	[illegible]
[illegible]	Meadow	[illegible]	[illegible]
[illegible]	Doe	Harris	1875
[illegible]	Edwards	Carr	[illegible]
[illegible]	Anderson	Owner	3000
3410	Souza	Maderos	500
3411	Paiver	Johnson	4000
3412	Francis	Owner	2500
3413	Goodall	Woodard	4000
3414	Stark	Anderson	11000
3415	Hanck	Owner	500
3416	Marquis	Owner	2600
3417	Peppin	Owner	16800
3418	Bernadon	Marshall	8000
3419	Zaidel	Wooley	900
3420	Frisberg	Owner	2500
[illegible]	[illegible]	[illegible]	[illegible]
3422	Hill	Higgins	750
[illegible]	Wilson	Owner	3500
3424	Gastman	Owner	3500
3425	Sykes	[illegible]	8000
3426	Horton	[illegible]	3000
3427	Pond	Waddell	865
3428	Abrahamson	[illegible]	4000
3429	Wallace	Owner	500
3430	Gardner	Hendricks	4000
3431	Morris	[illegible]	5000
3432	Guyot	Hendricks	[illegible]
3433	Leeper	Lessien	400
3434	Olsen	Brekke	600
3435	Burback	Clarke	3075
3436	Kingsland	Leonard	11750
3437	Stevens	Schroder	750
3438	Hany	[illegible]	[illegible]
3439	Schrader	Jones	716
3440	Williamson	Owner	600
3441	1st Nat.	McCullough	400
3442	Mobilized	McCullough	5000
3443	Anderson	Owner	7850
3444	Jenson	Brown	500
3445	Amelio	Wessel	1145
3446	Dobson	Owner	500
3447	Viscia	Owner	15000
3448	Lanford	Collins	420
3449	Andreuccetti	Benassini	3500
3450	Oszdorff	[illegible]	11500
3451	Freudenthaul	Burritt	13105

PERMITS

DWELLING
(3369) N DELAWARE 54 W McGee. Berkeley. One-story 4-room dwlg.
Owner—Chas. E. Arthur, 1532 McGee St., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(3370) S DWIGHT WAY 70 E Mabel. Berkeley. One-story 5-room dwlg.
Owner—Chas. V. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. $2000

KILN, ETC
(3371) 2322 FOURTH ST., Berkeley. Reinforced concrete kiln and a reinforced concrete sawdust hopper.
Owner— California Mission Furniture Company.
Architect—None.
Contractor — Barrett & Hilp, Sharon Bldg., San Francisco. $5267

DWELLING
(3372) E SPAULDING AVE 120 S Addison. Berkeley. One-story 5-room dwelling.
Owner—A. Berson, 1512 University Av., Berkeley.
Architect—None.
Contractor — Otto H. Petersen, 1575 Hopkins St., Berkeley. $3000

ALTRATIONS
(3373) 5603 COLLEGE AVE., Oakland. Alterations.
Owner—Alice M. Thompson, 18 Ross St., San Rafael.
Architect—None.
Day's work. $500

ALTERATIONS
(3374) N CLEVELAND AVE 100 E Montclair, Oakland. After barn into dwelling.
Owner—Judge C. C. Robinson, 552 Montclair Ave., Oakland.
Architect—None.
Contractor—Karl S. Fredricksen, 542 Montclair Ave., Oakland. $3000

DWELLING
(3375) NE COR E-TWENTY-SECOND St. and 25th Ave., Oakland. One-story 5-room dwelling.
Owner—E. A. Dicky, 1019 Lake Shore Ave., Oakland.
Architect—None.
Contractor—S. C. Walker, 3231 Boston Ave., Oakland. $3500

ADDITION
(3376) NW FORTIETH AND GROVE, Oakland. Addition.
Owner—Sacred Heart Church.
Architect—None.
Contractor—J. J. Power, 774 20th St., Oakland. $2000

DWELLING
(3377) SE RIDGEWAY AND BROADWAY, Oakland. One-story 3-room dwelling.
Owner—J. Sideman, Hotel Touraine, Oakland.
Architect—None.
Contractor—Geo. Smith, 3315 E-23rd St., Oakland. $1884

ADDITION
(3378) 2222 SEVENTEENTH AVE Oakland. Addition.
Owner—Peter Skomt.
Architect—None.
Day's work. $600

DWELLING
(3379) SE COR 76TH AVE & SPENCER St., Oakland. One-story 3-room dwelling.
Owner—T. Ikeda, San Francisco.
Architect—None.
Contractor—M. Santos, 2003 E. 25th St., Oakland. $700

DWELLING
(3380) E 38TH AVE S Agua Vista, Oakland. One-story 5-room dwelling.
Owner—H. J. Christensen, 1222 5th Ave., Oakland.
Contractor—Emil Person, 1023 54th St., Oakland. $3750

SHED
(3381) 424 23RD ST., Oakland. Shed.
Owner—Independent Tire Co.
Architect—None.
Day's work. $430

ADDITION
(3382) 814 31ST ST., Oakland. Addition.
Owner—J. Hagan.
Architect—None.
Contractor—L. M. Lyon, 527 17th St., Oakland. $475

DWELLING
(3383) CAPERTON AVE., Piedmont. Two-story frame dwelling.
Owner—Mrs. Green Majors, 2000 Clinton St., Alameda.
Architect—None.
Day's work. $6000

DWELLING
(84) 223 GREENBANK AVE., Piedmont. One and one-half-story frame dwelling.
Owner—James Anderson.
Architect—None.
Day's work. $3000

ALTERATIONS
(3385) CROSSROADS & BROADWAY Terrace, Oakland. Alterations.
Owner—C. S. Cherry.
Architect—None.
Contractor—Matt Koski, 35 Ramona Ave., Oakland. $1500

ALTERATIONS
(3386) 1417 FORTY-SIXTH AVE., Oakland. Alterations.
Owner—J. Spencer Riley, Premises.
Architect—None.
Contractor—A. J. Yerrick, 5256 College Ave., Oakland. $500

DWELLING
(3387) W WALKER AVE 350 N Lake Park, Oakland. Two-story 12-room dwelling.
Owner—J. M. Fenton, 41st and Howe Sts., Oakland.
Architect—None.
Contractor—Fenton & Fenton. $11,000

RECORDED

DWELLING
(3388) SHASTA AND KEITH AVES., Berkeley. All work for one-story frame dwelling.
Owner—Margaret A. Dean, Oakland.
Architect—None.
Contractor — Blucher Bros., 451 Van Dyke Ave., Oakland.
Filed Oct. 1, '21. Dated Sept. 30, '21.
Frame up ..... ¾
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $3000
Bond, none. Limit, Dec. 25, 1921. Forfeit, none. Plans and specifications filed.

DWELLING
(3389) SW COR DERBY & CLAREMONT, Berkeley. Two-story 8-room dwelling.
Owner—Neil L. Rogers, 2320 Fulton St., Berkeley.
Architect—John Hudson Thomas, 1st Nat. Bank Bldg., Berkeley.
Day's work. $7000

APARTMENTS
(3390) W HILLEGASS 250 S Parker, Berkeley. Three-story 36-room apartments.
Owner—Eleanor F. Yates, 3005 Benvenue, Berkeley.
Architect—None.
Contractor—L. Yates, 3005 Benevue, Berkeley. $20,000

DWELLING
(3391) 150 SHASTA AVE, Berkeley. One-story 4-room dwelling.
Owner—Margaret A. Dean, Oakland.
Architect—None.
Contractor—Blucher Bros, 451 Van Dyke Ave., Berkeley. $3000

DWELLING
(3392) N ARTHUR ST 180 E Church, Oakland. One-story 6-room dwelling.
Owner—J. A. Henas, 6922 Arthur St., Oakland.
Architect—None.
Day's work. $3500

DWELLINGS
(3393) SW & SE COR. CLEVELAND and Wesley, Oakland. Two 1-story 6-room dwellings.
Owner—L. Cuneo, 56th and Telegraph, Oakland.
Architect—None.
Contractor—J. Bertoldi, 5628 Vicente, Oakland. $3300 ea.

DWELLING
(3394) E 85TH AVE 40 N Blanche, Oakland. One-story 4-room dwelling.
Owner—Irene Hogal, 85th Ave., Oakland.
Architect—None.
Contractor—C. A. Cushman, 1675 85th Ave., Oakland. $2500

DWELLING
(3395) 1909 86TH AVE., Oakland. One-story 5-room dwelling.
Owner—J. Bridgwater, Premises.
Architect—None.
Day's work. $3500

ADDITION
(3396) 433 E 16TH ST, Oakland. Addition.
Owner—J. Breilh, Premises.
Architect—None.
Contractor—P. J. Pickering, 549 36th St., Oakland. $400

GARAGE
(3397) 1117 53RD ST., Oakland. Garage.
Owner—David Moss, Premises.
Architect—None.
Contractor—W. H. Tamm, 5714 Broadway, Oakland. $500

DWELLING
(3398) E 90TH AVE 90 N E-14th St., Oakland. One-story 5-room dwelling.
Owner—C. L. Bouleware.
Architect—None.
Contractor—G. B. Hollenbeck, 3084 Richmond Ave., Oakland. $3500

ALTERATIONS
(3399) 601 OAKLAND AVE., Oakland. Alterations.
Owner—Mrs. H. W. Jackson.
Architect—Miller & Warnecke, 414 13th St., Oakland.
Day's work. $2500

DWELLING
(3400) N ROSEMOUNT RD 225 W Northvale Walk, Oakland. Two-story 9-room dwelling.
Owner—C. E. Huddart, Berkeley.
Architect—None.
Contractor—John Carson, Syndicate Bldg., Oakland. $10,0000

SHOP, WAREHOUSE
(3401) NW COR 20TH & KIRKHAM, Oakland. One-story frame shop and warehouse.
Owner—J. Pantosky, 10th and Washington Sts., Oakland.
Architect—None.
Contractor—H. W. Leach, 10th Ave., Oakland. $75,000

RECORDED

FLOORS
(3402) FORTIETH AND HOLLIS STS. Emeryville. Concrete work for floors.
Owner—Western Electric Co., Inc., Premises.
Architect—None.
Contractor—Fred H. Austin, 2347 14th Ave., Oakland.
Filed Oct. 3, '21. Dated ——.
Payments not given.....
TOTAL COST, 45c per sq. ft. in Section D; 40c per sq. ft. in Section E.
Bond, none. Limit, 30 days. Forfeit, none. Plans only filed.

DWELLING
(3403) LOT 10 BLK 4, Hotel Claremont Tract, Berkeley. All work for two-story and basement frame dwelling.
Owner—George L. Unnewehr, 3026 Benvenue Ave., Berkeley.
Architect—None.
Contractor—Fred Hambleton, 3737 13th St., Oakland.
Filed Oct. 3, '21. Dated Oct. 1, '21.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $6465
Bond, none. Limit, 70 days. Forfeit, none. Specifications only filed.

DWELLING
(3404) S CAPISTRANO 400 W Colusa, Berkeley. One-story 5-room dwlg.

Owner — A. H. Pallen, 686 61st St., Oakland.
Architect None.
Day's work. $3750

DWELLING
(3405) N DEL NORTE 150 E Sutter, Berkeley. One-story 5-room dwlg.
Owner P. E. Marquis, 1023 Oxford St., Berkeley.
Architect—None.
Day's work $4500

DWELLING
(3406) 1553 SACRAMENTO ST., Berkeley. One-story 5-room dwlg.
Owner—O. Melane.
Architect—None.
Contractor—Barr & Son, 52 Vernon St., Oakland. $3000

MOVE BLDG.
(3407) 2730 DWIGHT WAY, Berkeley. Move building
Owner—John Doe Estate.
Architect—None.
Contractor—D. T. Harris, 1305 Carlson St., Berkeley. $185

ALTERATIONS
(3408) 2838 VALECITO PLACE, Oakland. Alterations.
Owner—H. A. Edwards, 2920 Nicol Ave., Oakland.
Architect—None.
Contractor- F. Carr, 5909 Laverne Ave., Oakland. $600

DWELLING
(3409) N BROOKDALE AVE 160 E Short, Oakland. One-story 5-room dwelling.
Owner- A. T Anderson, 9302 Birch St., Oakland.
Architect—None.
Day's work. $3000

ALTERATIONS
(3410) 2611 E 11TH ST., Oakland Alterations.
Owner—Jesse Souza.
Architect—None.
Contractor Joe Maderos, 2312 Frederick, Oakland. $500

DWELLING
(3411) E 55TH AVE 200 S Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—J. R. Paiver, 2312 55th Ave., Oakland.
Architect None.
Contractor O K. Johnson, 9278 Stearns Ave., Oakland. $4000

DWELLING
(3412) W 15TH AVE 88 S Melrose Ave., Oakland. One-story 4-room dwelling.
Owner—E. O. Francis, 3940 E. 14th St., Oakland.
Architect None.
Day's work. $2500

DWELLING
(3413) W HADDON RD 210 S Brookdale, Oakland. One-story 6-room dwelling.
Owner—E Goodwin.
Architect—None.
Contractor—E. W. Woodard, 535 Merritt Ave., Oakland. $4000

DWELLING, ETC
(3414) N LAKESHORE AVE 500 S Grand, Oakland. Two-story 10-room dwelling and garage.
Owner Dr J H. Stark, Dalziel Bldg., Oakland.
Architect — F H Stocomb, 1st Sav Bank Bldg., Oakland.
Contractor Geo. W. Anderson, 286 Perry St., Oakland. $11,000

ADDITION
(3415) NO 1505 LINDEN ST., Oakland. Addition.
Owner L. Hanck
Architect None.
Day's work. $500

DWELLINGS
(3416) W ROSEDALE AVE 250 and 300 N Carrington, Oakland. Two one-story 5-room dwellings.
Owner S M Marquis, 2827 Rosedale Ave., Berkeley.
Architect None.
Day's work. $2800 each

DWELLINGS
(3417) W RAWSON AVE 19, 22, 27, and 315 N Brookdale Oakland Four one-story 6-room dwellings.
Owner J E. Deppin, 86 Carnegie Ave., San Leandro.
Architect—None.
Day's work. $4200 each

GARAGE
(3418) NE SAN PABLO AND ALLEGHANY Oakland. One-story tile garage.
Owner J. Brandon.
Architect None
Contractor W. C. Marshall, Exch. Bldg., Oakland. $3000

ALTERATIONS
(3419) NO. 714 TENTH ST., Oakland Alterations.
Owner—Jos. Zaidel, Premises.
Architect None.
Contractor E. F. Wooley, 706 San Pablo Ave., Albany $900

DWELLING
(3420) W WHITTLE AVE, Fruitvale Extension, Oakland. One-story 4-room dwelling.
Owner R. B. Frisburg, 4012 Webster Ave., Oakland.
Architect None.
Day's work. $2500

APARTMENTS
(3421) CORE WALKER COTTAGE Vermont, Oakland. Three-story 9-room apartments.
Owner Mrs Ida M Thurber, Merritt Hotel, Oakland.
Architect None.
Contractor Sommarstrom Bros., 21th Ave., Oakland. $17,000

DWELLING
E ALVARADO ROAD No. 123, Berkeley. Two-story 7-room dwelling.
Owner George L. Dutcher, 2076 Kittredge Avenue, Berkeley.
Architect—None.
Contractor Fred Hambleton, 37 [illegible] Ave., Oakland. $6900
NOTE Recorded contract report Oct. 4, 1921. No. 3403.

ALTERATIONS
(3422) 911 PACIFIC AVE., Alameda. Alterations.
Owner E. Hed, 2195 94th Ave., Oakland.
Architect None.
Contractor—W. H. Higgins, 9436 Foothill Blvd., Oakland. $550

DWELLING
(3423) 638 COLUSA AVE., Berkeley. Two-story 8-room dwelling.
Owner—J. A. Wilson, 640 Colusa Ave., Berkeley.
Architect None
Day's work $3400

DWELLING
(3424) W EUCLID AVE. 400 S Keith Berkeley. One-story 6-room dwelling.
Owner H H Gastman.
Architect None
Day's work $3000

APARTMENTS
(3425) E DWIGHT 7 N Parker Berkeley. Two-story 12-room apartments.
Owner Chas P Sayles Chicago, Ill.
Berkeley.
Architect

Contractor—H. H. Gastman, 1265 Euclid Ave., Berkeley. $8000

DWELLING
(3426) E. HIGH CT. 120 N. Oak St., Berkeley. One-story 4-room dwelling.
Owner—C. E. Horton, 910 Euclid Ave., Berkeley.
Architect None
Contractor, H. H. Gastman, 1265 Euclid Ave., Berkeley. $3000

ALTERATIONS
(3427) 1032 BELLA VISTA AVE., Oakland. Alterations.
Owner Dr J. H. Pond, Los Gatos.
Architect None.
Contractor R P. Waddell, 313 Newton Ave., Oakland. $865

DWELLING
(3428) SE COR BRIGHTON & PARK Blvd., Oakland. One-story 6-room dwelling.
Owner Mrs Rose Abrahamson, 846 E-14th St., Oakland.
Architect—None.
Contractor Carlson & Sons, 3060 Dellwood, Oakland $4000

ADDITION
(3429) 1677 E-37TH ST., Oakland. Addition.
Owner Ralph Wallace, Premises.
Architect None.
Day's work. $500

DWELLING
(3430) W EDGEWOOD AVE 160 S Hollywood, Oakland. One-story 6-room dwelling.
Owner—W. C. and Lela Gardner, 1749 4th Ave., Oakland.
Architect None
Contractor—A. T. Hendricks, 47 Fairview Ave., Piedmont. $4000

DWELLING
(3431) E GRAND AVE 250 N Cottage, Oakland. One-story 6-room dwlg.
Owner Mrs Sarah Sacks, 1424 Jefferson St., Oakland.
Architect—None.
Contractor—Solomon Morris, 1424 Jefferson St., Oakland. $5000

APARTMENTS
(3432) NO. 3841 PARK BLVD., Oakland. Two-story 13-room apartments.
Owner—G. P. Guyot, 1438 Madison St., Oakland.
Architect None
Contractor A. T. Hendricks. $9000

ALTERATIONS
(3433) 3517 PENNIMAN AVE., Oakland. Alterations.
Owner M. Lessien, Premises.
Architect None
Contractor—H. Lessien, 2929 Octavia St., Oakland. $400

DWELLING
(3434) E HOVALE AVE 80 S Wisconsin, Oakland. One-story 4-room dwelling.
Owner—Tillie Olsen, 3806 Magee Ave., Oakland.
Architect None
Contractor J. Brekke 3806 Magee Oakland $600

DWELLING, ETC.
(3435) S MERRITT AVE 300 N [illegible] Lot 5 Blk. 7E Map Foothill Park, Oakland. All work for one-story 5-room dwelling and garage.
Owner [illegible] and Hazel Fern Barback, Oakland.
Architect—Not given.
Contractor—Clarke & Allan, 5805 Harmon Ave., Oakland.
[illegible] Dated Oct. 3, '21
[illegible] $768 75
[illegible] 768 75
[illegible] 768 75

Usual 35 days 768.75
$500 of this on 2nd deed of trust.
TOTAL COST, $3075
Bond, sureties, none; forfeit, $5 day; limit, 60 days. Plans and specifications filed.
NOTE:—Permit also applied for today.

ALTS. & GARAGE
(3436) CAWKSON AVE 125 E Walker Ave bet g Lot 100 Map Piedmont-by-the-Lake, Oakland. All work for two-story frame apartments and garage (4 3-room).
Owner—Louise F. Kingsland, 1525 Franklin St., Oakland.
Architect—Hutchinson & Mills, Albany Bldg., Oakland.
Contractor—Earl E. Leonard, 589 Kenmore Ave., Oakland.
Filed Oct. 5, '21. Dated Sept. 30, '21.
roof on $3000
Plastered 3000
Completed 3000
Usual 35 days 2750
TOTAL COST, $11,750
Bond, $5875; surety, Globe Indemnity Co.; forfeit, none; limit, 90 days after Oct. 3. Plans and specifications filed.
NOTE: Permit reported July 20, 1921.

ALTERATIONS
(3437) 2209 BANCROFT WAY, Berkeley. Alterations.
Owner—Mrs. L. E. Stevens, 1750 Sacramento St., Berkeley.
Architect—None.
Contractor—F. Schroder, 900 Oak St., San Francisco. $750

ALTERATIONS
(3438) 2315 DURANT AVE, Berkeley. Alterations.
Owner—Ida L. Hanz, Premises.
Architect—None.
Contractor—S. G. Rankin, 712 Haddon Rd., Berkeley. $500

ALTERATIONS
(3439) 2732 DERBY ST., Berkeley. Alterations.
Owner—A. Schrader, Premises.
Architect—None.
Contractor—S. Jones, 5829 Lawton Ave., Berkeley. $916

ALTERATIONS
(3440) 2015 HASTE ST., Berkeley. Alterations.
Owner—N. F. Williamson, Premises.
Architect—None.
Day's work. $600

ALTERATIONS
(3441) SW COR SHATTUCK & CENTER, Berkeley.
Owner—1st Nat. Bank Bldg.
Architect—None.
Contractor—Henry McCullough $400

ADDITION
(3442) 1002 UNIVERSITY AVE., Berkeley. Addition to store and warehouse.
Owner—Mobilized Women, 1000 University Ave., Berkeley.
Architect—None.
Contractor—Henry McCullough, 1641 Allston Way, Berkeley. $5000

DWELLING
(3443) E ADAMS 270 S Perkins, Oakland. Two-story 10-room dwelling and garage.
Owner—T. Anderson, 533 37th St., Okd.
Architect—E. Field and F. H. Slocombe, 1st Savings Bank Bldg., Okd.
Day's work. $4850

ALTERATIONS
(3444 NO. 125 ALCATRAZ AVE., Oakland. Alterations and repairs.
Owner—J. Jenson, Premises
Architect—None.
Contractor—H. C. Brown Roofing Co., 3317 San Pablo Ave., Oakland
$ 90

ALTERATIONS
(3445) NO. 1179 EIGHTH ST., Oakland. Alterations.
Owner—S. Amelio, 833 Filbert St., Oakland.
Architect—None.
Contractor—Harry Wessel, 787 11th St., Oakland. $1145

ADDITION
(3446) NO. 1435-7 FIRST AVE., Oakland Addition.
Owner—S. W. Dobson.
Architect—None.
Day's work. $500

APARTMENTS
(3447) N GLENVIEW 50 W Rand Ave., Oakland. Two-story 16-room apartments.
Owner—F. C. Viscia, 861 52nd St., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. $15,000

REPAIRS
(3448) NO. 5815 MARSHALL ST., Oakland. Repairs.
Owner—Mrs. Lanford.
Architect—None.
Contractor—W. D. Collins, 5824 Marshall St., Oakland. $120

DWELLING
(3449) E PERALTA 50 S 13th, Oakland. One-story 5-room dwelling.
Owner—P. Andreuccetti, 1421 Campbell St., Oakland.
Architect—None.
Contractor—Pio Benassini, 5162 Miles Ave., Oakland. $3500

RECORDED

FLATS
(3450) ON W SANTA RAY AVE Lot 16 Blk F. Two-story 14-room flats
Owner—W. Oszdorff, 125 Guerrero St., San Francisco.
Architect—Not given.
Contractor — Axel Sommarstrom, 109 Sunnyside Ave., Piedmont.
Filed Oct. 6, 1921. Dated Oct. 3, 1921.
Frame up $2300
Brown coated 2300
Plastered 2300
Interior finish completed 2300
Completed and accepted..... 2300
TOTAL COST, $11,500
Bond, sureties, forfeit, limit, none. Plans and specifications filed.
NOTE:—Permit reported Sept. 19, 1921, No. 3079.

DWELLING
(3451) LOT 9 Map Craig Property, Piedmont. All work for two-story frame dwelling.
Owner—Samuel J. Freudenthaul.
Architect—F. H. Slocombe, 1st Savings Bank Bldg., Oakland.
Contractor—Burritt & Sweet, [illegible] St., Oakland.
Filed Oct. 6, '21. Dated Sept. 30, '21.
On 1st day of each month.... 75%
Usual 35 days..... 25%
TOTAL COST, $13,105.50
Bond, $6737. Surety, Royal Indemnity Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded — Accepted

Oct. 5, 1921—E 107TH AVE 140 N Apricot St., Oakland. August Roseberg to George K. Holloway, Sr. ..... Aug. 15, 1921
Oct. 5, 1921—LOT 97 RESUB PERALTA Park, Berkeley. Brooks C. Parker to whom it may concern.. .....Oct. 4, 1921
Oct. 5, 1921—LOT 93 RESUB PERALTA Park, Berkeley. Brooks C. Parker to whom it may concern..... .....Oct. 4, 1921
Oct. 5, 1921—LOT 40 SUB 19 Do MAP. Brooks C. Parker to whom it may concern .....Sept. 29, 1921
Oct. 5, 1921—S 30TH ST 127.08 W 30th St. 40 x 73.94, Oakland. Chas. H. J. Truman to W. G. McGinty & Sons .....Sept. 28, 1921
Oct. 5, 1921—LOT 3 BLK 4 SAN Pablo Park, Berkeley. Ernest Henley to O. M. Bullock..Sept. 29, 1921
Oct. 4, 1921—W LAGUNA AVE 101.87 S Damuth W 109.20 S 35.13 SE 109.29 N 34, Oakland. Otto F Peske to whom it may concern.. .....October 4, 1921
Oct. 4, 1921—NE 10 LOT 46 and SW 30 Lot 45 Amended Map Rhoda Tct, Oakland. Will H Taylor to A F Anderson.....Sept. 29, 1921
Oct. 4 1921 LOT 15 and SE ——, James A and Mary E Ransom to whom it may concern..Sept. 28, 1921
Oct. 4, 1921—PTN LOT 102 Map Pleasant Valley Court, Oakland. Marshall E Hopper to whom it may concern.....Sept. 30, 1921
Oct. 3, 1921—N & S BUENA AVE, Berkeley. S P Co to Hutchinson Co.....Sept. 28, 1921
Oct. 3, 1921—LOT 13 A. J. Snyder's Piedmont Terract-by-the-Lake, Oakland. Joseph Ardenyi to Sommarstrom Bros Co...Oct. 3, 1921
Oct. 1, 1921—LOT 15 BLK 21, Boulevard Park, Oakland. Mrs Kathryn J and W R Ganic to Alex C Wieben .....Sept. 26, 1921
Oct. 1, 1921—LOT 4 BLK "C" Map Northbrae Terrace, Berkeley. Fred C and Lorene M Bertheaud to whom it may concern...Aug. 9, 1921
Sept. 30, 1921—LOT 60 MAP FOURTH Ave. Terrace Ext., Oakland. Thos. F. L. Furlong to whom it may concern .....Sept. 28, 1921
Sept. 29, 1921—PTN LOT 1 BLK B Map Piedmont Knoll, Oakland. Leo J. Dolan to whom it may concern .....Sept. 28, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded — Amount

Oct. 6, 1921—LOT 3 BLK "G" Map Excelsior Heights, Oakland. Oakland Building Materials Co vs Anna L Hendrickson and Robert Foster $300.98
Oct. 4, 1921—W 50 LOT 4 LAKESide Tract, Oakland. Sunset Lumber Co. vs. Etta Weiss.....$364.84

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded — Amount

Sept. 30, 1921—LOT 5 BLK "X" Map Toler Heights, Oakland. O R Johnson to Leslie May and Clifford L Hewitt $55
Sept. 30, 1921—NO. 127 LAKE ST., Oakland. Gene Gaston to Mrs. Peter J and Peter J Krause..$85.23

Notice of Non-Responsibility

ALAMEDA COUNTY

Oct. 4, 1921—SW 20 LOT 24, ALL lot 25 and NE 5 lot 26 blk 18, Map Key Route Heights, Oakland. Alameda Investment Co. as to improvements on property.....
Oct. 4, 1921—NE 12½ LOT 50, ALL lot 51 blk 18, map Key Route Heights, Oakland. Alameda Investment Co. as to improvements on property .....

HOMESTEADS

ALAMEDA COUNTY

Oct. 6, 1921—NE HAYWARD AVE 130.77 NW Sybil Ave NW 45.26 NE 167 SE 40 SW 145.82, San Leandro.

Chellinda Rose (wf Frank).. ..
Oct. 3, 1921—LOT 7 BLK 104 Map Central Tract, Hayward. Frank Rogers $3000
Oct. 3, 1921—PTN PLOT 26, Rancho el Valle De San Jose. Nellie B Wolfe (wf John S Jr) $5000
Oct. 3, 1921—N ESSEX 170 E Bellevue Ave E 40xN 120, Oakland. Kathryn Lillian Saxton (wf Leo J) $9000
Oct. 3, 1921—LOT 2 BLK 8 Map Meek Orchards, Hayward. Isabel E Oliver (wf Albert S).....$4000

ARCHITECT'S CERTIFICATE

ALAMEDA COUNTY

Oct. 4, 1921—Ephraim Field has filed his certificate of architecture for Alameda County.

OAKLAND BUILDING TOTALS FOR SEPTEMBER, 1921

Classification of Buildings	No. of Permits	Cost
1-story dwelling.....	173	$ 455,094
1-story dwelling & store	1	1,300
1-st 2 family dwelling..	1	5,000
1½-story dwelling.....	2	9,500
2-story dwelling.....	11	84,387
2-st dwlg & store.....	1	5,000
2-story flats.....	6	54,200
2-story apartments.....	5	63,500
3-story apartments.....	2	73,300
1-story schools.....	2	2,800
2-story schools.....	1	70,000
2-story planing mill....	1	1,250
1-story factory.....	1	1,100
1-story stores.....	3	10,650
1-story warehouse.....	1	1,600
1-story gymnasium.....	1	81,000
1-story auditorium.....	1	4,500
1-story office.....	1	500
1-story greenhouse.....	2	1,200
3-st Re. con store bldg..	1	200,000
3-st R C stores & offices	1	65,000
2-st R C stores & lofts..	1	42,856
1-s concrete garages...	8	41,130
1-st concrete store.....	1	6,000
1-st concrete shed.....	1	100
1-st tile garage.....	1	2,360
1-st tile store.....	1	500
1-st brick garage.....	2	11,600
1-st steel service stn..	1	4,000
Steel tank frame.....	1	1,700
1-story pump house...	1	300
Wharf & plattorm.....	1	1,000
Electric signs.....	16	3,640
Garages & sheds.....	200	44,261
1-story barn.....	1	1,000
Additions	91	61,345
Alterations & repairs..	174	68,819
TOTAL.....	719	$1,478,739

SUMMARY

New construction.....	545	$1,409,920
Alterations & repairs..	174	68,819
TOTAL.....	719	$1,478,739

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING, ETC.
303 INEZ ST., Fresno. Dwelling and garage.
Owner—Lillie M. Carter, 235 Inez St., Fresno.
Architect—None.
Contractor—O. D. Atkins, 3338 Lowe St. Fresno. $3600

DWELLING
255 INEZ ST., Fresno. Dwelling.
Owner—Ida M. Atkins.
Architect—None.
Contractor—O. D. Atkins, 3338 Lowe St., Fresno. $2500

STORE
1823 MERCED ST., Fresno. Store.
Owner—H. G. Persons, 1819 Merced St., Fresno.
Architect—None
Contractor—R. M. Irwin, 915 "U" St., Fresno. $3500

STORE
1228 F ST., Fresno. Store.
Owner—S. B. Garbarino.
Architect—None.
Contractor—Geo. Mihalakis. $3000

DWELLING
1813 SAN PABLO AVE., Fresno. Dwelling.
Owner—F. O. Gardner.
Architect—None.
Contractor—R. J. Hastings. $3000

DWELLING
3215 LIBERTY ST., Fresno. Dwelling.
Owner—J. M. Freeman.
Architect—None.
Day's work. $3800

DWELLING
3604 McKENZIE AVE., Fresno. Dwelling.
Owner—R. D. Randolph.
Architect—None.
Contractor—E. R. Morris, 2031 Lewis St., Fresno. $2750

DWELLINGS
3590 & 3596 LYELL ST., Fresno. Two dwellings.
Owner—E. R. Morris, 2031 Lewis St., Fresno.
Architect—None.
Day's work. $2750 each

ADDITIONS
FRANKLIN SCHOOL, Fresno. Additions.
Owner—Fresno School Board.
Architect—None.
Day's work. $1000

DWELLING
2833 CLAY ST., Fresno. Dwelling.
Owner—A. Bennett, Premises.
Architect—None.
Day's work. $4500

SERVICE STATION
COR VAN NESS AVE & MONO ST, Fresno. Service station.
Owner—Associated Oil Co.
Contractor—T. J. and J. C. Prichard, Rowell Bldg., Fresno.
Filed Sept. 30, '21. Dated Sept. 23, '21.
Monthly payments of.....75%
Usual 35 days 25%
TOTAL COST, $3850
Bond, $3850; surety, Mass. Bonding & Ins. Co.; forfeit, limit, none. Plans and specifications filed.

STORE BLDG.
NO. 1124 J ST., Fresno. Mill work for one-story basement and mezzanine reinforced concrete store building.
Owner—Annie L. Wallace, San Francisco.
Lessee—Wonder Cloak & Suit House, Fresno.
Architect—R. F. Felchlin Co., Bank of Italy Bldg., Fresno.
Contractor—Pacific Mfg. Co., 177 Stevenson St., San Francisco.
Filed Sept. 22, '21. Dated ——.
Payments on all contracts to be made every 30 days of 75% value of work performed during preceeding mouth, balance of 25% to be paid 35 days after completion.
TOTAL COST, $3053.50
Bond, none. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

MARBLE WORK ON ABOVE.
Contractor—American Marble & Mosaic Co., 25 Columbus Square, San Francisco.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $2886
Bond, none. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

LATHING AND PLASTERING ON above.
Contractor—Wm. Simpson.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $10,647
Bond, $5,323.50. Surety, Maryland Casualty Co. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

EXCAVATION ON ABOVE.
Contractor—Fresno Builders Supply Co. Fresno
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $5454
Bond, none. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

ELECTRIC WIRING ON ABOVE.
Contractor—Valley Electrical & Supply Co., 1817 Tulare St., Fresno.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $2856.50
Bond, none. Limit, 100 working days from Sept.3. Forfeit, none. Plans and specifications filed.

BRICK WORK ON ABOVE.
Contractor—Paul Kindler, 145 N-Van Ness St., Fresno.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $2350
Bond, $2350. Surety, Republic Casualty Co. Limit, 100 working days from Sept. 3. Forfeit, none,. Plans and specifications filed.

STRUCTURAL AND MISCELLANEOUS iron on above.
Contractor—Kyle & Co., Call Bldg., San Francisco.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $1530
Bond, $765. Surety, New Amsterdam Casualty Co. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

REINFORCING STEEL ON ABOVE.
Contractor—Kyle Co., Call Bldg., San Francisco.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $7798
Bond, $3899. Surety, New Amsterdam Casualty Co., Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

PAINTING ON ABOVE.
Contractor—Joe Streeter.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $2275
Bond, $1137. Surety, Globe Indemnity Co. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

TILE WORK ON ABOVE.
Contractor—Fresno Marble & Tile Co., 1937 Fresno St., Fresno.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $610.88
Bond, $306. Surety, American Surety Co Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

HEATING AND VENTILATING ON above.
Contractor — Barrett-Hicks Co., 1135 Broadway, Fresno.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $4923
Bond, none. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

SHEET METAL WORK ON ABOVE
Contractor — Barrett-Hicks Co., 1135 Broadway, Fresno.

Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $1083
Bond, none. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

GLASS AND GLAZING ON ABOVE.
Contractor—Tyre Bros. Glass Co., 1314 Broadway, Fresno.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $4858.20
Bond, none. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

CONCRETE WORK ON ABOVE.
Contractor—Kaufield & Tompkins, 2224 Fresno St., Fresno.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $4400

PLUMBING ON ABOVE.
Contractor — E. A. Newman Co., 1927 Merced St., Fresno.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $1802
Bond $901. Surety, Fidelity & Deposit Co. of Maryland. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

AUTOMATIC SPRINKLER SYSTEM ON above.
Contractor—Pacific Fire Co., 440 Howard St., San Francisco.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $7252
Bond, none. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

ROOFING ON ABOVE.
Contractor—Valley Lumber Co., H and Mono Sts., Fresno.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $433.85
Bond none. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

FREIGHT ELEVATOR ON ABOVE.
Contractor—Otis Elevator Co., Griffith-McKenzie Bldg., Fresno.
Filed Sept. 22, '21. Dated ——.
Payments same as above.....
TOTAL COST, $1990
Bond, none. Limit, 100 working days from Sept. 3. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

FRESNO COUNTY

Recorded **Accepted**
Sept 30, 1921—LOTS 1, 2 BLK 18 Boyd Add, Fresno. R. Harpain to whom it may concern..Sept. 27, 1921
Oct. 1, 1921—FIRST AND TULARE Sts., Fresno. San Joaquin Light & Power Co. to whom it may concern .....Sept. 29, 1921
Sept 29, 1921—LOT 7 BLK 1 CEDAR Park, Fresno. Gary R. Smith to whom it may concern..Sept. 26, 1921

LIENS FILED

FRESNO COUNTY

Recorded **Amount**
Sept. 29, 1921—LOTS 20 TO 23 BLK 8 F. H. B. Palm Villa Tract, Fresno. Carl D. Hovsepian vs George Noroian $2963

FRESNO BUILDING TOTALS FOR SEPTEMBER, 1921

The following is a report of the building operations in the City of Fresno for the month of September, 1921:

New buildings .....$ 153,275
Total for yerar..... 2,168,780
No. of Permits, 113.
Alterations and repairs.....$ 40,149
Total for year..... 461,712
No. of Permits, 80.

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
4883 FOURTH ST., Sacramento. One story 4-room dwelling.
Owner—Annie F. Beere, 1858 48th St., Sacramento.
Architect—None.
Day's work. $2000

STORE & APT. BLDG.
W½ OF N½ LOT 4 J-K-27-28, Sacramento. Two-story frame store and apartment bldg.
Owner—Paul Fletcher.
Architect—None.
Contractor—Betz & Mabrey, 2528 41st St., Sacramento. $15,576
Filed Sept. 27, '21. Dated Sept. 27, '21.

DWELLING, ETC.
1306 41ST ST., Sacramento. Two-story 8-room frame and stucco dwelling and garage.
Owner—J. L. Mayden, 1011 "K" St., Sacramento.
Architect—None.
Contractor—Barton & Dudley, 610 "J" St., Sacramento. $14,000

DWELLING
664 41ST ST., Sacramento. One-story 4-room frame dwelling.
Owner—Anna E. Williams, 1010 8th St., Sacramento.
Architect—None.
Day's work. $1810

RESIDENCE, ETC.
LOT ON SW 41ST & L STS., Sacramento. Two-story frame residence and garage.
Owner—J. L. Hayden.
Architect—None.
Contractor—L. G. and C. O. Barton as Barton & Dudley, 619 "J" St., Sacramento. $14,000
Filed Sept. 28, '21. Dated Sept. 23, '21.

DWELLINGS
2501 "W" ST. and 2557 41ST, Sacramento. Two 1story 5-room dwellings.
Owner—Thos. B. Hunt, 2926 "S" St., Sacramento.
Architect—None.
Day's work. $3,000 ea.

DWELLING
4657 12TH AVE., Sacramento. One-story 5-room dwelling.
Owner—Geo. Griffin, 2508 "O" St., Sacramento.
Architect—None.
Contractor—Francis Bros., 3432 "X" St., Sacramento. $2800

DWELLING
3994 2ND AVE. Sacramento. Frame dwelling.
Owner—L. B. Harrison, 2333 Sloat Way, Sacramento.
Architect—None.
Contractor — Warren & Beebe, 3991 4th Ave., Sacramento. $2800

DWELLING
1371 41ST ST., Sacramento. One-story 5-room dwelling.
Owner—B. W. Painter, 817 "J" St., Sacramento.
Architect—None.
Contractor—J. A. Brown, 3410 38th St., Sacramento. $3600

DWELLING
1326 24TH ST., Sacramento. One-story 5-room frame dwelling
Owner—Howard Kimbrough, 817 "J" St., Sacramento.
Architect—None.
Contractor—J. A. Brown, 3410 38th St., Sacramento. $3525

DWELLING
1340 41ST ST., Sacramento. One-story 6-room frame dwelling.
Owner—A. F. Wottman, 2701 "X" St., Sacramento.
Architect—None.
Contractor—J. P. Tyhust, 1512 24th St., Sacramento. $4500

DWELLINGS
3241 and 3233 44TH ST.; 2262 34TH St., and 4008 3rd Ave., Sacramento. Four 1-story 5-room frame dwellings.
Owner—W. T. Foster, 3400 4th Ave., Sacramento.
Architect—None.
Day's work. $1400 ea.

DWELLING
3156 D ST., Sacramento. One-story 5-room frame dwelling.
Owner—A. Phillips, 2631 "F" St., Sacramento.
Architect—None.
Contractor—C. F. Smith, 1918 11th St., Sacramento. $3475

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded **Accepted**
Oct. 4, 1921—SACRAMENTO. Roofing baggage room. Southern Pacific Co to whom it may concern.....Oct. 4, 1921
Oct. 1, 1921—WALNUT GROVE (addition to Oriental School.) J L Kercheval, Clerk of Board of School Trustees of Walnut Grove School District) to whom it may concern.. .....Sept. 7, 1921

BUILDING CONTRACTS

SANTA CLARA COUNTY

COTTAGE
LORRAINE ST. near Josefa, San Jose. Three-room cottage.
Owner—Leo Calabrosi.
Architect — L. I. Kelley, 810 Prevost St., San Jose.
Contractor—L. I. Kelley, 810 Provost St., San Jose. $1800

COTTAGE
LARRAINE ST. near Josefa, San Jose. Three-room cottage.
Owner — Antonio Glaviano, 356 W-Emprie St., San Jose.
Architect—L. I. Kelley, 810 Prevost St., San Jose.
Contractor—L. I. Kelley, 810 Provost St., San Jose. $1800

COTTAGE
124 S-TWENTY-SECOND ST., San Jose. Four-room cottage.
Owner—Joe Larson, 1203 McKee St., San Jose.
Architect—None.
Day's work. $2500

COTTAGE
SANTA CLARA ST., bet. 34th and 35th Sts., San Jose. Four-room cottage
Owner—H. P. Damon, 1652 E-Santa Clara St., San Jose.
Architect—None.
Day's work. $1980

COTTAGE
SHORTRIDGE ST., San Jose. Five-room cottage.
Owner—P. Rolandetti, 823 Shortridge St., San Jose.
Architect—E. Delmaestro.
Contractor—E. Delmaestro $2500

COTTAGE
PLEASANT ST. near St. James St., San Jose. Five-room cottage.
Owner—M. Bruno, San Jose.

Architect—None.
Contractor—Chas. Ricca, 271 San Augustine St., San Jose. $3500

DWELLING
STANFORD CAMPUS, Stanford University. All work for two-story and basement frame dwelling.
Owner—Dr. H. W. Stuart, Stanford University, Calif.
Architect—William E. Milwain, Albany Bldg., Oakland.
Contractor—The Minton Co., Mountain View, Calif.
Filed Sept. 29, '21. Dated Sept. 28, '21.
Frame up and chimney built. $2827.50
Exterior mill work in place and plastering done 2827.50
Completed and accepted..... 2827.50
Usual 35 days..... 2827.50
TOTAL COST, $11,310.00
Bond, $5655. Sureties, J. S. Mockbee & Margerie Minton. Limit, 110 working days from Sept. 28. Forfeit, $5. Plans and specifications filed.

COTTAGE
TWELFTH AND EMPIRE STS., San Jose. Five-room cottage.
Owner—Geo. Ickler.
Architect and Contractor—E. E. Weldon, 115 N. 33rd St., San Jose. $3750

COTTAGE
TWELFTH AND EMPIRE STS., San Jose. Six-room cottage.
Owner—Geo. Ickler.
Architect and Contractor—E. E. Weldon, 115 N. 33rd St., San Jose. $3750

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Oct. 3, 1921—LINCOLN RESIDENCE Park, San Jose. John J Speciale to R C Herschbach.....Oct. 3, 1921
Oct. 1, 1921—SAN JOSE, Cal. Henry C Wells to whom it may concern .....Sept. 30, 1921
Sept. 30, 1921—WILLIAM ST., San Jose. Salvatore and Kate Falco to S H Gandrup.....Sept. 29, 1921

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

REMODEL
726 E. 3RD ST., Stockton. Remodel.
Owner—David Pellegri, Premises.
Architect—None.
Day's work. $1000

ALTERATIONS
AURORA AND WASHINGTON STS., Stockton. Re-arrange office.
Owner—Hedges-Buck Co., Premises.
Architect—None.
Day's work. $1800

RESIDENCE
CALIFORNIA & SOUTH STS., Stockton. Residence.
Owner—Mrs. Margarete Home, Stockton.
Architect—None.
Day's work. $3800

RESIDENCE
SOUTH CENTRAL AVE., Stockton. residence and garage.
Owner—Stockton Realty Co., 26 S-San Joaquin St., Stockton.
Architect—None.
Day's work. $3800

RESIDENCE
NORTH SIERRA NEVADA ST., Stockton. Residence.
Owner—Albert Kessler, 423 N-Sierra Nevada St., Stockton.
Architect—None.
Day's work. $3800

Review of "School Architecture" by J. J. Donovan et al.

Comments by FRED M. HUNTER*

The people of the United States are just now engaged in developing a national system of public education. Many leaders have long recognized that the chief public function for democratic people is education, but the mass has had little realization of this fundamental truth. A few states have what may be termed a "State School System." Numerous cities and communities have highly developed very complex and decided efficient school systems, but to date no such thing as a universal system of public education yet exists in the United States. We are just now going about it to develop one.

At a critical time in this process, such a book as "School Architecture," by Mr. John J. Donovan, is a genuine contribution. People think of an organization or an institution in the terms of their own contacts with it or in terms of its tangible evidences. A work which in a highly professional way suggests crystallized standards to the teaching profession, to the boards in official control of the schools of the country, and to the architects and builders who influence so greatly the nature of the physical plant of the schools is distinctly helpful and significant. This work is a survey of the high points and most generally accepted standards of school-house construction throughout the United States. The author has chosen from the best that is being done in 19 different states and 63 different cities and communities. His concrete examples are chosen from the works of 41 of the foremost architects, engineers, and builders in the United States. Nothing could be more timely and of greater service to a community, city or state seeking to standardize the physical plant of its school system than this high-class survey of the best standards. Nothing could convince boards of education of state, county, city, and local communities of the possibility of adapting the plant of the public school system to the complexity of school activities demanded by the modern community better than this comprehensive treatment of the best that is being done in America.

Mr. Donovan's method of treatment is particularly noteworthy. He himself is an architect who in every instinct is an artist and builder, but no more complete recognition has ever been published of the prime necessity of seeking usefulness to the functions of the school as the first essential of school-house construction than is this work. The emphasis from beginning to end is upon the purposes of education and the planning of schools so as to best accomplish those purposes rather than upon the construction of beautiful architectural monuments to the name and fame of the planners and builders. Mr. Donovan's thought throughout is "The Children First."

The far-reaching result of this book may be easily predicted. The approach of the author to a practical realization of his ideals in school-house construction is naturally largely through those of his own profession. To convince those engaged in the practice of school architecture that the first essential in school-house construction is adaptation to the needs of public education, is in itself a worthy life-time achievement. Mr. Donovan's book will have wide influence with architects in bringing them to feel that the needs of education and the interests of the children come first. A generation of more usable school-houses than America has ever known will be Mr. Donovan's monument as the result of this book.

The worth of "School Architecture" is greatly enhanced by the use of the concrete method of presentation. No community can fail to appreciate the standards of school construction thus presented. The small community with a consolidated school to build or the metropolitan city with $10,000,000 to expend upon a school construction program may find in this comprehensive survey the most practical and most modern standards presented in a way to appeal to technician and layman alike. It is comprehensible and convincing to laymen, officials, school people, architects, and engineers.

The treatment of the more modern and specialized school activities surpasses that of any work thus far published. The socialized viewpoint of the author, his comprehension of and sympathy with the universal type of education that is coming to be in constant demand on the part of the American people and his realization of the means of accomplishing this have led to expert treatment of school-house provisions for such features as the junior high school, hygiene, physical education, libraries, assembly halls, music departments, drawing departments, industrial and vocational education, cafeterias and an unusual discussion of the ideal standards for the classroom.

The ideals set by Mr. Donovan's book for the construction of American school houses will have a very large influence in the development not only of a standard construction for the physical plant of the schools, but even in the development of the schools themselves. The modern American community is going to use its school system as its principal agent in developing its ideal of a democracy. The schools it builds will be a tangible evidence of its conception of the machine through which this great work is to be done. Mr. Donovan and his collaborators should take great pride in the contribution which their work makes to this great end.

*Superintendent of Schools, Oakland, Cal., and Former President of National Education Association.

REPAIRS
EAST WASHINGTON ST., Stockton. Repair office.
Owner—Miss O. Goodman, Stockton.
Architect—None.
Day's work. $1500

RESIDENCE, ETC.
VERNAL WAY, Stockton, Cal. Residence and garage.
Owner—F. P. Dobson, 27 W. Oak St., Stockton.
Architect—None.
Day's work $5,050

RESIDENCE
WEST WILLOW, Stockton, Cal. Residence.
Owner—Italian-American Realty Co., 440 E. Market St., Stockton, Cal.
Architect—None.
Day's work. $2900

RESIDENCE, ETC.
LOWER SACRAMENTO RD., Stockton. Residence and garage.
Owner—H. E. Heller, Smith Apts., Stockton, Cal.
Architect—None.
Day's work. $8500

SCHOOL BLDG.
WOODBRIDGE, San Joaquin Co. One-story hollow tile school bldg.
Owner—Woods School District.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Stockton, Cal.
Contractor—D. E. Burgess et al., 601 South California St., Stockton.
Filed Oct. 1, '21. Dated Sept. 24, '21.

ROOFING ON ABOVE
Contractor — Simpson-Gray Lumber Co., 124 W. Weber St., Stockton, Cal.
Filed Oct. 1, '21. Dated Sept. 24, '21.

MECHANICAL EQUIPMENT ON ABOVE
Contractor — Latourette - Fical Co., 3431 Sacramento Blvd., Sacramento, Cal.
Filed Oct. 1, '21. Dated Sept. 24, '21.

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Oct. 1, 1921—LOT 1 BLK 4; ALSO E 15 ft lot 2 blk 4, Howe Add, Stockton. Stockton Hardware and Implement Co., a corp., vs. F. Echer. $75.05

BUILDING CONTRACTS

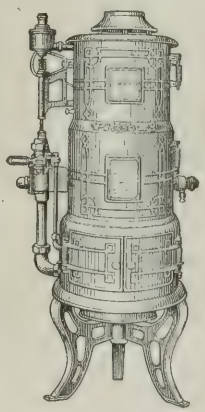
SAN MATEO COUNTY

PAVILION
CAL. SANA. GROUNDS 1¾ miles from town of Belmont, San Mateo Co. Furnish and construct (except Plumbing and approaches) 1-story and basement frame pavilion.
Owner—The California Sanatorium, Belmont, Calif.
Architect—Not given.
Contractor—S. Droguarde, Redwood City, Cal.
Filed Sept. 28, '21. Dated Sept. 27, '21.
Excavating done and main concrete walls in.....$2609.25
Frame up and rustic on and brown coated 2609.25
Completed 2609.25
Usual 35 days 2609.25
If 1x4 T & G bzt plaster used, add $100.00.
TOTAL COST, $10,437
Bond, sureties, forfeit, none; limit, 60 days after Sept. 27, 1921. Plans and specifications filed.

KINDERGARTEN BLDG.
NORTHERLY LINE 3RD AVE 75 easterly from the easterly line of F St., San Mateo. One-story frame kindergarten building.
Owner—San Mateo Grammar School District.
Architect—Not given.
Contractor—Charles Pedersen, 118 10th St., San Mateo, Cal.
Filed Sept. 29, '21. Dated July 20, '21.
Roof completed $500
Completed and accepted..... 500
Usual 35 days..... 585
TOTAL COST, $1585
Bond, $400; sureties, Wm. F. Turnbull and H. B. Park; forfeit, none; limit, 90 work days. Plans and specifications filed.

COTTAGE
LOTS 50 AND 51 BLK 23, Union Park, Daly City or Colma. All work for one-story and basement cottage (garage in basement).
Owner—Emilio and Vittoria Melani.
Architect—None.
Contractor—Joseph S. Fratessa.
Filed Oct. 4, 21. Dated Oct. —, '21.
Ready for plaster.....$1000
Completed 1000
Usual 35 days..... 1075
TOTAL COST, $3075
Bond, $1600. Sureties, Paul F. and R. M. Fratessa. Limit, 75 working days. Forfeit, $5. Plans and specifications filed.

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET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COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted

Sept. 30, 1921—LOT 1 BLK 20 Resbdvn Ptn of San Carlos, San Carlos. Mercantile Trust Co to Ben C Zimmerman.....Sept. 26, 1921

Sept. 30, 1921—LOT 25 & W ½ Lot 26 Blk 25, Amended Map, San Carlos. Mercantile Trust Co to Ben C Zimmerman.....Sept. 26, 1921

Sept. 30, 1921—LOT 20 BLK 26, Lyon & Hoag Sbdvn of town of Burlingame. Chas George Adams to whom it may concern.....Sept. 24, 1921

Sept. 27, 1921—SOUTH SAN FRANcisco near American Barium Co. South San Francisco Land & Improvement Co to J P Holland.....Sept. 21, 1921

Sept. 27, 1921—PART MILBRAE Park Tract, San Mateo. Mills Est. Inc to J R Cahill, E G Cahill and H C Vensano (as Cahill & Vensano Co).....Sept. 22, 1921

STATE WATER COMMISSION

(Continued from Page 19)

Application No. 2484 (San Benito Co.) Wm. Newmann and Dave Hirstel, San Francisco, Calif. 56,000 ac. ft. per annum storage from Las Aguilas Creek, San Benito County, tributary of Trespinos Creek, and the following named stream tributary of Las Aguilas Creek; unnamed creek with source in Sec. 22, T. 14 S., R. 8 E.; unnamed creek with source in No. ½ of Sec. 31, T. 14 S., R. 9 E.; unnamed creek with source in So. ½ of Sec. 31, T. 14 S., R. 9 E.; unnamed creek with source in Sec. 32 and 33, T. 14 S., R. 1 E. Water to be used for irrigation of 150,000 acres. Diversion by means of canal 16 miles long.

Application No. 2485 (Merced, Fresno and San Benito Cos.) Wm. Newmann and Dave Hirstel, San Francisco, Calif. 250 cu. ft. per sec. direct diversion and 25,000 ac. ft. per annum storage from Little Panoche Creek located in Fresno, Merced and San Benito Counties, for irrigation of 150,000 acres. Diversion by means of canal.

Application No. 2493 (Nevada and Sierra Cos.) Roy H. Elliott, San Francisco, Calif. 20 cu. ft. per sec. direct diversion and 7000 ac. ft. per annum storage from 3 unnamed creeks in Nevada and Sierra Counties tributary of Yuba River, for power purposes. Diversion by means of ditch and tunnel. Estimated cost $750,000.

Application No. 2497 (Sierra Co.) Paul C. Thorn, 502 Marine Bldg., 214 Front St., San Francisco, Calif. 5 cu. ft. per sec. from Lake Hawley, Sierra County, tributary of East Fork of North Fork of Yuba River, for mining purposes. Estimated cost $50,000.

Application No. 2503 (Fresno Co.) Southern California Edison Co. A corporation, Los Angeles, Calif., 3000 cu. ft. per sec. from San Joaquin River, Fresno County, for power purposes. Amount of power to be developed 252,600 t. h. p. Diversion by means of tunnel 28,056 ft. long. Estimated cost $12,964,000.

Application No. 2504 (Fresno Co.) Southern California Edison Co. A corporation, Los Angeles, Calif. 3000 cu. ft. per sec. from San Joaquin River, Fresno County, for power purposes. Amount of power to be developed 111,000 t. h. p. Diversion by means of tunnel 28,136 ft. long. Estimated cost $8,000,000.

Application No. 2505 (Amador and Calaveras Cos.) Mokelumne River Power Co., 502 Flatiron Bldg., San Francisco, Calif. 500 cu. ft. per sec. direct diversion and 51,000 ac. ft. per annum storage from Mokelumne River, Amador and Calaveras Counties, for power purposes. Amount of power to be developed 40,000 t. h. p. Diversion by means of canal, tunnel and flume about 21 miles long. Estimated cost $6,000,000.

Application No. 2509 (El Dorado Co.) Charles F. Duisenberg, San Francisco, Calif. 1500 cu. ft. per sec direct diversion and 100,000 ac. ft. per annum storage from So. Fork of American River, El Dorado County, for power purposes. Diversion by means of conduit and tunnel.

Application No. 2510 (Trinity Co.) W. H. Samson, Corning, Calif. 30 sec. ft. from Stuarts Fork, and 20 sec. ft. from Deer Creek, and 18,500 ac. ft. per annum from Stuarts Fork and 12,750 ac. ft. per annum from Deer Creek, Trinity County, for power purposes. Estimated cost $1,500,000. Diversion by means of conduit 7 miles long.

Application No. 2512 (Sutter Co.) Peter J. Shields, Sacramento, Calif. 20 cu. ft. per sec. from Feather River, Sutter County, tributary of Sacramento River, for irrigation of 620 acres. Diversion by means of two 5" pipes. Estimated cost $25,000.

Application No. 2514 (San Bernardino Co.) The Southern Sierras Power Co., Riverside Calif. 75 sec. ft. from Bear Creek and 100 sec. ft. from Santa Ana Creek, San Bernardino County, for power purposes. Amount of power to be developed 30,825 t. h. p. Diversion by means of pipe line 8 miles long.

Application No. 2515 (Trinity Co.) W. H. Samson, Corning, Calif. 50 cu. ft. per sec. from Van Meter Creek, Trinity County, tributary of Stuart Fork for power purposes. Estimated cost $30,000.

Application No. 2516 (Trinity Co.) W. H. Samson, Corning, Calif. 50 cu. ft. per sec. from Owens Creek, Trinity County for power purposes. Diversion by means of pipe line, flume and ditch about 4 miles long. Estimated cost $100,000.

Application No. 2517 (Trinity Co.) W. H. Samson, Corning, Calif. 31,300 ac. ft. per annum storage from Stuarts Fork, Trinity County, tributary of Trinity River, for power purposes. Diversion by means of line, flume and ditch about 9 miles long. Estimated cost $500,000.

Application No. 2518 (Trinity Co.) W. H. Samson, Corning, Calif. 60 sec. ft. natural flow from Deep Creek, Trinity County, tributary of Stuarts Forks. Diversion by means of pipe line and flume 5 miles long. Estimated cost $20,000.

Application No. 2519 (Alpine Co.) W. F. Dressler and W. H. Settelmeyer, Minden, Nevada. 700 ac. ft. per annum storage from Crater Lake, Alpine County, for irrigation of 996.90 acres. Estimated cost $20,000.

Application No. 2522 (Fresno Co.) Southern California Edison Co. A corporation, Los Angeles, Calif. 3000 cu. ft. per sec. from San Joaquin River, Fresno County, for power purposes. Amount of power to be developed 363,600 t. h. p. Diversion by means of conduit.

Application No. 2524 (Calaveras and Stanislaus Cos.) South San Joaquin Irrigation District, Manteca, Calif. 36,000 ac. ft. per annum storage from Stanislaus River, Calaveras and Stanislaus Counties, for irrigation of 71,081 acres. Diversion by means of canal. Estimated cost $500,000.

Application No. 2526 (San Bernardino Co.) G. M. and B. L. Bartlett, Pine Knot, Calif. 7 cu. ft. per sec. from West Fort Metcalf, Talmadge Creek and Cienaga at head of Seeley Creek, San Bernardino County, for irrigation of 260 acres. Diversion by means of pipe line 2 miles long.

Application No. 2527 (Nevada Co.) Excelsior Water and Mining Co., 920 Forum Bldg., Sacramento, Calif. 625 cu. ft. per sec. from Anthony House Reservoir in Deer Creek, Nevada County, for irrigation of 120,000 acres. Diversion by means of main ditch 11.39 miles long. Estimated cost $2,194,000.

Application No. 2528 (Nevada Co.) Excelsior Water & Mining Co., 920 Forum Bldg., Sacramento, Calif. 625 cu. ft. per sec. from proposed Anthony House Reservoir in Deer Creek, Nevada County, tributary of Yuba River, for power purposes. Amount of power to be developed 17,613 t. h. p. Diversion by means of tunnel 1,067 feet long.

Application No. 2529 (Nevada Co.) Excelsior Water & Mining Co., 920 Forum Bldg., Sacramento, Calif. 625 cu. ft. per sec. from proposed Anthony House Reservoir in Deer Creek, Nevada County, for power purposes. Amount of power to be developed 35,438 t. h. p. Diversion by means of ditch and tunnel 13.26 miles long. Estimated cost $2,689,000.

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SAN FRANCISCO, CAL., OCTOBER 15, 1921

Published Every Saturday
Twenty-first Year, No. 42

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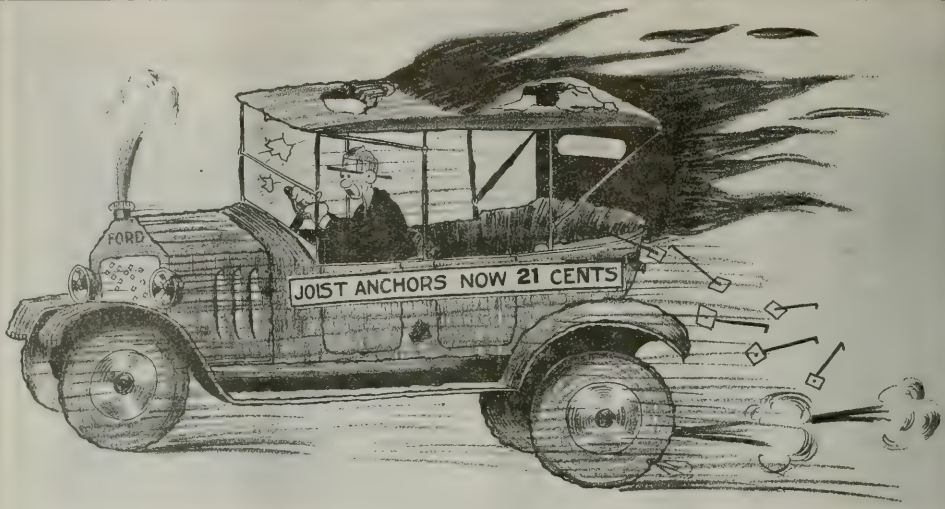

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Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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STABILIZATION OF WAGES IS PLAN OF OAKLAND COMMERCE CHAMBER

The readjustment of wages in the building trades crafts due to be made in about a month, Harrison S. Robinson, chairman, announces that the Industrial Relations Board of the Oakland Chamber of Commerce is preparing to take up this work with a view to securing stabilization. Robinson's announcement is as follows:

"Existing wage schedules in the building trades expire on November 12, 1921. During this month and in November, hearings will be held by an impartial board, sitting in San Francisco, preparatory to the announcement of a new schedule.

"The Industrial Relations Board of the Oakland Chamber of Commerce contemplates presenting to the wage board the following:

"1. The establishment for every building craft of a single wage for all working in that craft is unsound. Its unsoundness is proved by the fact that it has never been enforced in all the crafts, not even by the unions themselves.

"2. There should be:

"A. An apprentice's scale.

"B. A 'learner's' or 'improver's scale.

"C. A journeyman's standard scale.

"D. A recognition of the right of a workman to receive and of an employer to pay wages higher than the standard to men of exceptional ability.

"The Board invites comments and suggestions on these proposals from the men working in the building trades in Alameda County. They should be mailed to the board at the Chamber of Commerce, Thirteenth and Alice Sts., Oakland, or made verbally to E. W. Olin, the representative of the board. These comments and suggestions will be carefully presented to the wage board.

"The Industrial Relations Board is making every effort to see that men are paid the established wage, and it is deeply concerned in the establishment of wage schedules that are sufficiently fair and sensible to form the basis of a successful fight against any violation of them."

UNEMPLOYMENT CONFERENCE

(Special to Bldg. & Eng. News from Associated General Contractors, Washington, D. C.)

Construction stands out pre-eminently as the key industry at the Unemployment Conference now in session in Washington, and the work of the Construction Committee, of which General Marshall is chairman, is one of the main centers of action. Housing, highways, public works, construction repairs are urged as the best means of providing the only sound solution of unemployment, viz., employment.

The work of the Unemployment Conference is two-fold, the immediate problem being emergency relief and the later problem being that of discovering the causes of unemployment and also the remedies to be applied to prevent recurrences of depression such as the one in which we are now enveloped.

The conference was at the start broken up into committees, each of which has been working on the phase of the unemployment question assigned it.

These committees have worked so rapidly and so much data for their use has been prepared in advance that already the conference has been able to present its recommendations for an emergency program for immediate adoption and prosecution.

Twelve Recommendations

There are twelve recommendations made, and it is stated that "the views of the conference in amplification of these recommendations and as to measures which would contribute to restoration of industry and commerce will be given later."

With estimates of from 3½ to 5½ millions unemployed it was decided that the situation could not be met except by a definite organization of the country. The responsibility for the leadership of this community problem is the mayor and the organization should be an Emergency Committee, the personnel of which should be selected as to fitness only. Employers should give preference to the Emergency Employment Agencies.

The Emergency Committee should regularly publish the numbers dependent on these to awaken the community to its responsibility. Repairs, cleaning and alterations during the winter are also urged as well as public construction, which is preferable to relief.

Governors Urged to Participate

The Governor of each State is urged to unite all State agencies and to expedite construction of roads and State building. Likewise the Federal authorities are urged to speed construction of public buildings and public work.

A Congressional appropriation for roads, on which depends many millions of State approriations, is considered most desirable.

Greatest Relief Through Construction

It is stated that the greatest area for immediate relief of unemployment is in the construction industry, which has been artificially restricted during the war. The great shortage in housing is emphasized and the evils of high prices due to combinations, etc., is pointed out.

The final appeal is to manufacturers and a considerable list of items is given wherein relief may be effected.

NEW YORK'S TAX EXEMPTION LAW BOOSTS BUILDING

Two stories come out of New York City which need study by proponents of home building. One story is that since the tax exemption law became effective just less than five months ago, plans have been filed for 12,000 houses and 9,000 apartments, to house nearly 21,000 families at a cost of $100,000,000. The other story is that costs of construction are still so high that contractors and builders cannot finance new home buildings. The overplus of present costs is so much above probable future selling value that there is but a small margin for loans.

Materials and Wages Still Up

Building materials, of which freights are a large element in price, have not reduced nearly in proportion to other essentails, nor have wages. These are the two factors which include nearly all the cost of building. Until these are reduced somewhere near to prewar levels, credits will be measured, not by investment, but by intrinsic value. Remission of taxes does not cover this inequality.

Rents Promotive Factor in Building

In New York, relief from taxation his disclosed the housing need. It has brought this flood of plans in 19 weeks. It will be interesting to see how many of these structures are actually built. There is no need to especially promote building when costs are low enough to assure credits. Rents are always the promotive factor and demand always keeps them above the line, so that economy, actual saving, induces building. Today in spite of abnormally high rents, building costs are still so high that credits cannot respond, as there is nothing to equalize the split between investment and intrinsic value.—Washington Herald.

PAVING BRICK INDUSTRY

The National Paving Brick Manufacturers' Association recently sent to its members a questionnaire on business prospects, etc. Replies from 71 companies having a normal output of 1,570,000 tons show that 56 producers with an aggregate capacity of 3,530,000 tons expect to be in full production during the next six months.

An all-steel churn in Manila was built in Europe and shipped to the Philippines in sections.

Nearly 5000 automobiles are used by state officials for public welfare work.

The Observer

Instead of being left to lag during the Winter, State highway construction is to be carried forward just as rapidly and as extensively as the organization of the State Highway Commission will permit, according to N. D. Darlington, a member of the Highway Commission. Mindful of the labor situation, Darlington said it is the plan of the Commission to handle all the work of which the organization is capable, but in ordering new construction, distribution is an important factor, due to the fact that funds available will fall several million dollars short of the building program.

City Building Inspector M. C. Woodruff of San Jose reports the issuance of building permits during the past month totaling $77,470. Twenty-six new homes were erected during the month of September.

Lassen County Supervisors abolish the office of County Engineer Bidwell. Differences between the Board of Supervisors, or "one member thereof," caused the action.

A company known as the "Veneer Works" has taken an option on a site of five acres in the vicinity of Cedar and First streets, Berkeley, and plans construction of a plant costing $125,000. The Veneer Works is a Sacramento concern, headed by H. B. Thornton.

A $20,000 option and lease on the ranch property near Columbia, Tuolumne County, Cal., owned by Mrs. D. Cinelli, has been given to Los Angeles men, who propose to open up the large marble deposit contained therein and also explore an ancient buried channel which traverses the land. The property adjoins the holdings of the Bell Marble Company, which is actively operating and making regular shipments of marble from its quarry.

Engineers Erle L. Cope and Geo. S. Dillman of San Francisco have been selected by the Suisun Irrigation District, Solano County, to investigate the feasibility of the district's plan and cost of putting its project through. It is expected a report will be completed within two months.

Plans have been prepared for a $100,000 auto stage depot to be erected at Fifth and I streets, Sacramento, according to W. A. Latta, attorney of that city, representing the Motor Carriers' Terminal, Inc. The company, recently organized, is made up of owners operating stage lines out of Sacramento.

Frank M. Marsh, chief draftsman for the Western Pacific Railway for the past eighteen years, with offices in the Mills building, leaves today for a two months 'trip through the eastern states. He will stop off in Salt Lake City, Denver, Kansas City, Chicago, New York and Boston.

New building in Berkeley during the month of September shows an increase of $123,084 over the same period a year ago. There were 146 permits issued for buildings, with an estimated cost of $312,629, against 117 permits and an estimated cost of $187,545 for September, 1920.

Chas. Richardson has resigned as engineer of Marin County. The Supervisors are planning to appoint an engineer under Rea Act. S. C. Legage, J. R. Price and H. M. Loy have filed applications with the Supervisors seeking the appointment.

The Monarch Electric Saw Company of San Francisco has been granted permission by the State Corporation Department to sell and issue certain of its securities. The company was organized for the purpose of manufacturing and distributing an electric saw, which is covered by U. S. Letters Patent.

Stockton City Council has accepted the resignation of John M. Perry, as a member of the City Planning Commission. Mrs. Homer S. Smith will fill the vacancy.

Cyrus L. W. Eidlitz, 68, one of New York's leading architects and the designer of the Times building, that city, died in Southampton October 6th.

The State Forestry Board has moved its offices from the Forum Building, Sacramento, to the fourth floor of the State Capitol.

The County Engineer Act, passed by the Legislature in 1919, has been declared unconstitutional and void because it interferes with the uniformity of county government, in a ruling handed down by the State Supreme Court. The act was passed at the instance of Sonoma county interests in order to place the authority previously held by the County Surveyor in the hands of the County Engineer, in effect an employe of the County Board of Supervisors.

A building boom in Japan and the Orient is in progress and is reflected in increasing orders for lumber from the Pacific Northwest, according to Walter S. Dockrill of the Vancouver Timber & Trading Company, Vancouver, B. C., who has just returned from the Orient. Great quantities of lumber will be shipped to the Orient in the next year, in Dockrill's opinion.

Want to buy a motor truck? Sonoma County Supervisors will sell at public auction on October 14, a 2½-ton Fageol truck, registered horsepower 27; 1920 model. Ask W. W. Felt Jr., County Clerk, for further information.

The Diamond Match Company has purchased the lumber yards of the McCarley & Smith Mercantile Co. at Cottonwood. Under the new ownership Frank Pritchard of Chico will be manager.

One million dollars in highway bonds which have not yet been redeemed are still in the hands of the County Treasurer, and a working balance of $600,689.06 is still in Fresno County highway fund, according to a report filed with the Board of Supervisors.

Burton Smith, for the past six years Chief Engineer for the Oakdale Irrigation District, resigned October 1 and will be temporarily connected with the State Department of Public Works with headquarters at Modesto.

The Hutchinson Co., Oakland, announces a reduction of 10 cents a yard in the price of crushed rock f. o. b. bunkers.

Rumors are current in Los Angeles financial circles of an invasion into Los Angeles district by the Schwab steel interests, said to contemplate a $60,000,000 combination with a local firm in the erection of a steel mill at San Pedro. J. J. Tynan, manager of the Bethlehem Steel Company's plant at Alameda Cal., was recently in Los Angeles and was credited with having represented Schwab at a conference over the proposed steel mill, said to have been held aboard the steamer "Harvard" on Sept. 19.

Discovery of a "whole valley of almost pure iron, lying on the shores of Lake Athabasca," is reported by the Edmonton (Alta.) Bulletin. The northern mineral field is credited to Norman C. Butterfield and E. A. Butterfield, father and son. According to the account, an analysis showed the rock to assay 64.36 per cent iron. The prospectors are said to have measured off estimates of 154,000,000 tons, and relate that 5,000,000 tons in the shape of loose blocks are on the surface of the ground close to the lake, ready for shipment without mining operation.

Says the Oakland Tribune: "The 'cost plus' system may have been considered meritorious by the government when it was trying to speed up the building of ships with which to fight Germany, but it worked badly for F. E. Allen, contractor and builder. This was in spite of an increase in his compensation from $1800 to $4420.60. At least Judge Harry W. Pulcifer refused to award him $149.70 he sued C. L. Gibbs and the latter's wife to recover on a contract to make alterations in premises owned by the Gibbs. The testimony showed Allen had agreed in writing to do the work for $1800, including his own compensation, but that numerous changes were made in the plans which increased the cost materially. Allen was to get 10 per cent of the actual cost of the material and work. He testified he could not tell how much of the increased cost was due to changes or just how much he was entitled to. Judge Pulcifer said if the plaintiff did not know, the court could not be expected to and gave judgment for the defendants.

The Baldwin Locomotive Works has obtained orders in the last two months for sixty-five engines from Mexico, seventeen from Brazil, ten direct from Chile and an order from the Westinghouse Electric Company to supply mechanical parts for thirty-nine electric engines for Chile.

Fred E. Conner, head of the Sacramento Lumber Company and resident of North Sacramento, has been honored with the Presidency of the newly formed Lumbermen's Association of California, recently organized. Offices of the association will be located in San Francisco. The objects of the organization are to stabilize the lumber trade and assist the consumer as well as the dealer.

The Effect of Tax Limits on County and Municipal Bonds

By CHESTER B. MASSLICH, of the New York Bar.

It is not always the size of wealth of a county or city which determines the salability of its bonds. Among the factors that determine the salability of municipal bonds, including in that term bonds of counties and taxing districts as well as of cities and towns, none is more important than a provision for unlimited taxes for their payment. The difficulties [illegible] in marketing many public securities can be traced directly to a tax limitation.

A few years ago when the demand for public securities was greater than the supply, less attention was paid by investors to the unfavorable features of many of these bonds. In these latter days, with billions of Liberty bonds outstanding, and a demand for money that can not be supplied, discrimination has come to be used in the selection of investments, and this discrimination has directly affected municipal bonds that are not protected by an unlimited tax provision.

Tax limitations for current expenses and for permanent improvements are a necessary protection against burdensome taxation, but tax limitations affecting the payment of a debt legally created are utterly illogical. The taxpayer can be protected against an excessive public debt by a constitutional or statutory limitation upon the amount of the debt which may be legally created. Many states have such debt limitations in their constitutions and many others have fixed them by statute. These limitations protect the bondholder as well as the taxpayer, but there is no greater unwisdom than to limit the amount of the tax which may be collected to pay a debt lawfully created.

So vital has this appeared to lawmakers that a dozen or more States of the Union have written into their constitutions a mandatory requirement that no debt shall be created by any political subdivision unless then or theretofore provision shall have been made for the levy of a sufficient tax for its payment. In many of the other States statutory authority is given to levy a sufficient tax, but there are still many States in which the amount that can be levied annually to pay bonds is limited.

The number of these latter States is being gradually reduced. In some of them, where special and private acts are still permitted, the tax limitations of general laws are being set aside as to particular districts and localities.

The haphazard nature of these tax laws is well illustrated in the State of Florida, where the constitution imposes no limit upon taxes for county bonds for any county purpose, but fixes the maximum general [illegible] per [illegible] district bonds at 5 mills on the dollar. As a result, Florida [illegible] sell bonds even in excessive amounts while school districts suffer from their inability to borrow small sums.

North Carolina Has Removed Limitation

North Carolina is one of the States which have seen the error of limits upon bond taxes. With few exceptions, all the general and [illegible] passed in that State [illegible] authority for bond issues, have expressly provided that the [illegible] their payment shall be unlimited. South Carolina has followed the [illegible] policy. [illegible] have removed all limits upon bond taxes by constitutional enactments which make mandatory a sufficient levy without any limit whatever, and as a result the bonds of Georgia counties and municipalities find a ready sale. Georgia's taxpayers have not suffered, for the same section of the constitution which requires the unlimited tax puts a rigid limit upon the amount of lawful debt that may be created.

Across the line from Georgia, Alabama still labors under a constitutional limit of bond taxes, with the result that investors pay little attention to public securities coming from that State.

It must be remembered that a tax limit which appears to be sufficient at the time of the issuance of a public security, may presently become insufficient. Alabama has had exactly that experience. Assessed valuations change from year to year. Sometimes they change because property values have increased or decreased, but in many States they have changed by fiat of the Legislature, which has established a different basis of taxation and a different ratio between actual values and assessed values. Investors are well acquainted with the fact that these changes have sometimes been made on a downward scale. In Kentucky, where a constitutional limitation of bond taxes still prevails, a school district issued a comparatively small amount of bonds when its assessed valuation was about $1,500,000. Long before those bonds fell due, it became unprofitable further to develop the natural resources that had given the district its prosperoity, and the assessed valuation fell to about $375,000. The 50-cent tax rate allowed by the State constitution would no longer produce the amount necessary to pay the interest and provide for a sinking fund, and the bondholders were compelled to compromise. Many such illustrations can be given in many States. In one prosperous Alabama city, where no question was raised as to the legality of any bonds it had issued, the authorities were able to effect a compromise which gave the bondholders new bonds at half the face value of the outstanding bonds and at only 3 per cent interest. Only one bond issue of that city escaped the general disaster, through the fact that it constituted a lien upon public property, and the bondholders took possession of that property under order of the United States courts.

Insurance Companies the Heaviest Buyers

The great insurance companies are among the heaviest investors in municipal securities. Long experience has taught them wisdom in these investments. Their attitude on the tax limit question may be illustrated by an occurrence within the past year. A syndicate of investment houses had purchased an issue of $2,000,000 bonds of a prominent city with a population of over 75,000 and contracted to sell this issue to four of the [illegible] insurance companies. One after the other, all acting independently, the counsel of these four companies raised the objection that there was a limitation upon the amount of tax the city might legally levy for the payment of the bonds. Three of the counsel were finally persuaded that the limitation had been repealed and the companies accordingly accepted the bonds. The counsel of the fourth of the four companies was unable to resolve his doubt as to whether the limit had been repealed, and accordingly declined to accept the bonds. And yet that city has a perfect record of prompt payment of principal and interest of its indebtedness.

Investors Remember Defaults

An innocent purchaser of public securities is protected by the courts from many irregularities in their issuance. He is never protected against the evil consequences of a tax limit. There are communities in the United States which, abhorring the very thought of repudiation, have nevertheless been compelled to repudiate and compromise because the maximum limits of taxes they were permitted to levy have not been sufficient to meet their debts. One of the greatest American cities suffered that dishonor, but rose in its might and demanded and obtained a constitutional amendment for itself alone, empowering it to levy sufficient taxes to pay its creditors. It was many years, however, before it could outlive the effects of that dishonor. The laws permitting investment of funds of savings banks in New York and the various New England States, make it a condition of such investments that no default shall have occurred within a given long period. Investors remember these defaults. They are sensible of the reasons why the defaults occurred and they are not anxious again to put themselves into a position which makes the payment of their bonds dependent upon the continued prosperity of the city or county which issued them.

Perhaps the worst form of tax limitation is the general limitation which fixes the maximum rate of annual tax for all purposes. If the amount raised by such a tax is insufficient to pay running municipal expenses and also the principal and interest of outstanding bonds, the courts hold that the payment of running expense comes first, and that the creditors can have no part of the taxes which the municipal authorities in their discretion choose to apply to those expenses. In other words, the maintenance of the life of a municipality is its first duty and the courts will not disturb the judgment of its governing body as to the amount necessary for maintenance.

There are many laws on the statute books to day which fix so high a limit upon the amount of bonds which may be issued, and so low a limit upon the amount of taxes that may be levied to pay them, that it is a foregone conclusion that the bonds will not be enforcible if the entire amount allowed by law be issued.

Those who are interested in the building up of communities by road construction should see to it that their representatives in the Legislature become acquainted with the conditions that will enable money to be borrowed for those purposes, and especially with the primary condition, now in almost universal demand by investors, that all tax limitations for the payment of [illegible] bonds be [illegible]

Of the 9,000,000 motor cars in this country, 6,000,000 belong to people whose income [illegible]

[illegible] United States [illegible] of [illegible] population

Building News Section

APARTMENT HOUSES

Contract Awarded.
APARTMENTS Cost, $30,000
SAN FRANCISCO. S. Bush 162.6 W. Jones.
Four-story and basement brick (14) apartments.
Owner—Eva Cabanski, 950 Steiner St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—I. Mensor, 2565 Washington St., S. F.

Plans Completed.
APARTMENTS Cost, $20,000
BERKELEY, Cal. E. College Ave. 450 S. Woolsey.
Two-story 30-room frame apartments.
Owner—Harris-Jenks Co., 2977 Piedmont Ave., Berkeley.
Architect—Hutchinson & Mills, 302 Albany Bldg., Oakland.

Preliminary Plans Prepared.
APARTMENTS Cost, $——
LOS ANGELES, Cal.
Eight-story Class "A" apartment house (150 apts.)
Owner—Withheld.
Architect—John & Donald B. Parkinson, 420 Title Insurance Bldg., Los Angeles.

Contract Awarded.
APARTMENTS Cost, $15,000
OAKLAND, Alameda Co., Cal. N Lake Park Ave. 75 W Rand St.
Two-story 16-room frame apartment house.
Owner—A. W. Kiel, 239 E-16th St., Oakland.
Architect—W. E. Schirmer, Thayer Bld Oakland.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.

LONG BEACH, Los Angeles Co., Cal.—R. H. Young, president of Park View Land Co., 510 Long Beach Trust & Sav. Bank Bldg., Long Beach, has announced decision of the company to erect an 8 or 12-sto. class A apt. bldg. on a 134x135-ft. site owned by the company at s. w. cor. Ocean Ave. and Cedar Way, Long Beach. Cost bet. $600,000 and $800,000. Directors are: J. T. Musgrove, R. J. Craig, J. J. Penny, Mrs. Charlotte Curtis, Herbert M. Haskell, H. S. Callahan, Mrs. Marie Brouilette, G. W. Gibson and R. H. Young. No architect formally selected.

BANKS

Plans Completed.
BANK Cost, $12,000
STRATHMORE, Tulare Co., Cal.
One-story brick (plaster exterior) bank, 30x54.
Owner—Pioneer Bank of Porterville, John W. Fitting, Cashier, Porterville.
Architect—M. P. Renfro, Porterville.

Commissioned to Prepare Plans.
BANK BLDG, ETC. Cost, $——
VAN NUYS, Los Angeles Co., Cal.
Two-story brick bank, store and office building.
Owner—Bank of Van Nuys.
Architect—Allison & Allison, Hibernian Bank Bldg., Los Angeles.

Segregated Sub-figures Being Taken.
ALTERATIONS Cost, $6000
SAN FRANCISCO. N. Market 70 E. Jones.
Alter store for bank.
Owner—Anglo-California Trust Co.
Architect—S. Herman, 57 Post St., San Francisco.

BONDS

YUMA, Ariz. — The Supervisors of Yuma County have called for bids for purchase of $1,200,000 highway bonds voted three years ago.

PASADENA, Los Angeles Co., Cal.—A proposition to issue about $1,500,000 bonds to open east and west streets through the city as proposed by the City Planning Commission may be submitted. Views of property owners will be obtained before the matter is taken up with the City Directors.

PIEDMONT, Alameda Co., Cal.—City Trustees declare intention to call bond election to vote the question of issuing bonds to finance construction of a sewer to drain Piedmont and the construction of larger mains to continue the drainage through Oakland to the estuary, the City of Oakland to pay 56 per cent of its cost.

SAN MATEO, San Mateo Co., Cal.—A bond issue for $100,000 is contemplated by the City Trustees. Proceeds of the sale of the issue would finance the replacing of two bridges declared to be in a dangerous condition; improvements of creek property recently acquired on Baldwin Ave. and the installation of a lighting and fire alarm system.

SACRAMENTO, Cal.—Governor Stephens has directed the State Treasurer to advertise for bids for the purchase of the $3,000,000 issue of state capitol extension bonds. Plans for the improvements, to be financed through the sale, have been completed by Architects Weeks and Day, Phelan Bldg., San Francisco.

SACRAMENTO, Cal.—City Commissioners will shortly call election to vote bonds for completion of city filtration plant, $900,000; $500,000 for a municipal auditorium and wharf improvements, $250,000. Albert Givan, City Engineer.

PALO ALTO, Santa Clara Co., Cal.—City Council orders proceedings started to call election to vote bonds of $20,000 to finance construction of an addition to the City Hall and $40,000 for an addition to the Public Library. Construction in both instances will be of reinforced concrete with tile roofs. J. F. Byxbee, Jr., is City Engineer.

SACRAMENTO, Cal.—Until Oct. 26 bids will be received by Supervisors for the purchase of the $80,000 bond issue of the Courtland Union High School District; proceeds of sale to finance the completion of the high school, for which R. McLeran Co., Hearst Bldg., San Francisco, are the contractors. Plans were prepared by Architect F. A. S. Foale, Ochsner Bldg., Sacramento.

MARYSVILLE, Yuba Co., Cal.—City Council will call election in January to vote bonds to finance improvements on Ellis Lake and for paving street intersections. W. M. Meek, City Engineer.

CHURCHES

Figures to Be Taken Shortly.
SUNDAY SCHOOL Cost, $30,000
LONG BEACH, Los Angeles Co., Cal. Adjoining present church.
Three-story brick Sunday school bldg. (8 classrooms, auditorium, kitchen, etc.).
Owner—First Presbyterian Church.
Architect—W. Horace Austin, 222 First Nat. Bank Bldg., Long Beach.

COLUSA, Colusa Co., Cal.—Until Oct. 11, 2 p. m., bids will be received by Lucille DeJarnatt, County Treasurer, for the purchase of the $85,000 bond issue of the Maxwell Union High School District; proceeds of sale to finance construction of a new school building. Woollett & Lamb, Hazelton Bldg., Sacramento, are the architects.

CHICO, Butte Co., Cal.—Trustees of the Grace Baptist Church are taking bids for the construction of a new edifice on a site 50 by 200 at First Ave. and Magnolia St. The building will be one story in height.

FACTORIES & WAREHOUSES

Plans Being Figured—Bids Close Nov. 8, 10 A. M.
FRAME BLDG. Cost, $——
STOCKTON, San Joaquin Co., Cal. At Jacobs Road Bridge No. 2 over Burns cutoff in O'Neal Road Dist.
Construction of one-story frame building for use of bridge tender.
Owner—County of San Joaquin, Eugene D Graham, County Clerk.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
Certified check for 10% payable to Chairman Board of Supervisors required with each bid. Plans on file in office of clerk.

Plans Being Prepared.
LOFT BLDG. Cost, $45,000
SAN FRANCISCO. W. Webster St. N. 14th St.
Two-story and basement reinforced concrete loft building, 50x150.
Owner—Max Horwinski.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Plans will be ready for figures in about two weeks.

Plans Ready for Figures Wednesday.
FACTORY BLDG. Cost, $——
SAN FRANCISCO. S. Howard W. 1st Street.
One-story Class "C" factory, 50x165.
Architect — O'Brien Bros., 240 Montgomery St.
Figures will be taken for a general contract.

Low Bidders.
FACTORY BLDG. Cost, $200,000
SOUTH SAN FRANCISCO.
One three and four-story reinforced concrete factory building.
Owner—Fontana Products Mfg. Co., 113

Market St., San Francisco.
Architect—Righetti & Hirschfeld, 12 Geary St., San Francisco.
The lowest bid was submitted by the Sampson Constr. Co., 682 Monadnock Bldg., at $69,980, and G. B. Pasqualetti next low at $72,477.
The contract will be awarded in a day or two.

Contract Awarded.
WHARF Cost, $73,788
SAN FRANCISCO. San Francisco waterfront.
To construct a concrete bulkhead wharf in front of Pier 19, including the timber approach to Pier 19 and a concrete bulkhead wharf extending from the existing section in front of Pier 25 to the existing section in front of Pier 21.
Owner—Board of State Harbor Commissioners.
Architect—Frank G. White, Chief Engineer, Ferry Bldg., San Francisco.
Contractor—Tibbitts-Pacific Co., 16 California St., San Francisco.
The contract was awarded on Proposition "C".

Plans Completed—Contracts to Be Let Shortly.
FACTORY BLDG.
IRVINGTON, Alameda Co., Cal. Five-acre tract.
Concrete and steel factory bldg.
Owner—Reid Brothers, 91 Drumm St., San Francisco.
Superintendent—E. A. Cadwell, care of owner.

Contract Awarded.
FACTORY BLDG. Cost, $14,500
SAN FRANCISCO. S. Folsom 75 W. 4th St.
One-story and mezzanine reinforced concrete Class "C" factory bldg.
Owner—Bothin Realty Co.
Lessee—Western Basket and Barrel Co.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Adam Arras, 180 Jessie St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. NO. 536 Sixth St.
Alter Class C factory building.
Owner—Bothin Realty Co.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—L. A. Hinson, 1228 Grove St., San Francisco.
Elevator contract awarded to The Otis Elevator Co., Beach and Stockton streets.

Sub-figures Being Taken.
FACTORY BUILDING
Cost (1st unit), $250,000
IRVINGTON, Alameda Co., Cal. Five-acre tract.
One-story concrete and steel factory building.
Owner—Reid Bros. (hospital supplies), 91 Drumm St., San Francisco.
Architects—Sutton & Whitney, Lewis Bldg., Portland, Ore.
Superintendent—E. A. Cadwell, care of owner.
NOTE:—The wall will be practically all glass.

Contract Awarded.
OIL STATIONS Cost, $15,000
OAKLAND, Alameda Co., Cal. Foot of Linden Street.
Five one-story frame and corrugated iron buildings for oil distributing station.
Owner—Ventura Refining Co.
Engineer — R. Vane Woods, Federal Realty Bldg., Oakland.
Contractor — Henry J. Christensen, Federal Realty Bldg., Oakland.

EL CENTRO, Imperial Co., Cal.—The Imperial Valley Gypsum & Oil Co., Spreckels Bldg., San Diego, has purchased 170 acres at Maria on the San Diego & Arizona Ry. in Imperial Co. as a site for a manufacturing and refining plant and warehouse and for a townsite. The company has an extensive deposit of gypsum 25 miles north of Maria which will be developed as soon as a branch line can be built by the San Diego & Arizona Ry. Co. The initial plant at Maria will cost about $150,000.

REDDING, Shasta Co., Cal.—Until Nov. 9, 10 a. m., bids will be received by S. N. Witherow, County Clerk, for for constructing warehouse, workshop and storage rooms for housing machinery and materials owned by the county. Cert. check 10% payable to Chair. Bd. of Sups. required with each bid. Plans may be had from County Surveyor C. R. Wiegel.

PORTLAND, Ore.—Architects Sutton and Whitney, Lewis Bldg., Portland, are preparing plans for a group of ten buildings, each two stories in height to be erected for The Portland Produce Terminal Co., represented by W. P. Merry, local realty operator. The structures will be erected on five blocks bet. Alder and East Oak Sts. and will cost $1,000,000.

SACRAMENTO, Cal.—The following bids were received on October 10th by the California Highway Commission for the construction of a maintenance shop building in the City of Sacramento Cal.:

M. E. Hopper & Son, 117 Webster St., Oakland	$56,825.00
Alfred H. Vogt, S. F.	57,669.00
McGillivray Constr. Co., Sacramento	60,200.00
Davison & Nicholson, S. F.	61,485.00
Mathew Constr. Co., Sacramento	69,279.00
Engineer's estimate	76,937.30

FLATS

Contract Awarded.
FLATS Cost, $10,000
SAN FRANCISCO. E. 13th Ave. 150 N. Geary.
Two-story and basement frame (2) flats.
Owner—Mrs C. F. Haggett, 700 2nd Ave., San Francisco.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Kincanon & Perego, 159 Sutter St., San Francisco.

To Be Done by Day's Work.
FLATS Cost, $24,000 ea.
SAN FRANCISCO. S. California 96.3 E. 15th Ave.
Two 2-story and basement frame (4) flats.
Owner—W. A. Savage, 81 7th Ave., San Francisco.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.

Plans Being Prepared.
FLATS, ETC. Cost, $11,000
SAN FRANCISCO. 26th and Anza.
Two-story and basement frame and plastered flats (two 5-room flats) and basement garage.
Owner—Mrs. Koepke.
Architect—Ernest Hildebrand, 68 Post St., San Francisco.

To Be Done By Day's Work.
FLATS Cost, $8000
SAN FRANCISCO. W. 17th Ave. 275 S. Anza.
Two-story and basement frame (2) flats.
Owner—J. J. Delucchi.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans Being Prepared.
FLAT BLDGS. Cost, $9000 ea.
SAN FRANCISCO. Richmond District.
Two 2-story and basement frame flat buildings (2 6-room flats each) with basement garage.
Owner—Name withheld.
Architect—Albert Fabre, 110 Sutter St.
Figures will be taken in about a week.

GARAGES

Contract Awarded.
AUTO WAREHOUSE Cost, $26,750
SAN FRANCISCO. Eddy St. east of Van Ness Ave.
One - story and basement reinforced concrete auto sales building and warehouse.
Owner—C. W. Humphrey.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.
Contractor—John Morton, Balboa Bldg.

Contract Awarded.
GARAGE BLDG. Cost, $30,000
SAN FRANCISCO. 1493 Harrison St.
Two-story reinforced concrete garage bldg.
Owner—Cross Investment Co.
Engineers—R. Vane Woods, Federal Realty Bldg., Oakland.
Contractor — Henry J. Christensen, Federal Realty Bldg., Oakland.

GOVERNMENT WORK AND SUPPLIES

Contract Awarded.
ARCADIA, Los Angeles Co., Cal. Ross Field.
HANGARS Cost, $100,000 approximately.
Two steel airship hangars.
Owner—United States Government.
Architect—Owner.
Contractor—Union Constr. Co., Key Route Fill, Oakland.

WASHINGTON, D. C. — Following bids were received by the chief of the Bureau of Yards and Docks, Navy Department, Washington, for installation of boiler plant equipment at the naval base (hospital reservation), San Diego, Cal., under Specification 4494:

Item 1, work complete; 2, add or deduct, based on alternative A.

John W. Danforth, 72 Ellicott St., Buffalo, N. Y., item 1, $51,336, 180 days; 2, $2,661.

G. E. Engineering Co., 449 W. 42nd St., New York city, item 1, $57,731, 180 days; 2, deduct $100.

W. E. Kier Construction and William Simpson Construction Co., 526 Marsh-Strong Bldg., Los Angeles, Cal., item 1, $55,723, 180 days; 2, deduct $1000.

Thos. Haverty, 316 E. 8th St., Los Angeles, Cal., item 1, $67,890, 180 days; 2, deduct $2200.

Lange & Bergstrom, Timken Bldg., San Diego, Cal., item 1, $68,500, 180 days; 2, deduct $3,000.

SEATTLE, Wash.—Until Oct. 21, 11 a. m., bids will be received by Alaskan Engineering Commission, 422 Bell St. Terminal, Seattle, for fur. and del. induction motors. Circular No. 527. Further information may be had from San Francisco offices of the commission in the Customhouse.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, preparing Specification No. 4533 for 300-foot radio tower to be erected at Eureka, Humboldt County, Cal.; also [illegible] 300-foot radio tower at [illegible] Washington, under Specification No. 4538.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at end of each paragraph:

Schedule 8822, for eastern and western yards, miscellaneous steel bars, November 1.

Schedule 8823, for all navy yards, large quantities of steel shapes, angles, channels, eye beams, medium black and galvanized. November 1.

Schedule 8824, for all navy yards, large quantities of sheet steel, black and galvanized. November 1.

Schedule 8825, all navy yards, miscellaneous steel plates. November 1.

Schedule 8831, for Mare Island, 5,000 ft. white ash and 5,000 ft. white oak. October 25.

Schedule 8833, for Mare Island, miscellaneous paint materials. October 25.

Schedule 8836, for eastern and western yards, miscellaneous fire brick and cement. November 1.

Schedule 8840, for Mare Island, 41,000 ft. steel wire rope and 1,200 ft. mooring hawsers. November 1.

Schedule 8841, for Puget Sound, 19 electric portable drills. November 1.

Schedule 8842, for Mare Island, 10,270 gals, varnish. November 1.

Schedule 8843, for Mare Island, 15,300 lbs. white lead. November 1.

Schedule 8846, for Mare Island, 5,600 ft. b. m. yellow pine lumber. November 1.

Schedule 8847, for Mare Island, 6,148 ft. white oak and 5,500 ft. butternut. November 1.

Schedule 8853, for Puget Sound, 12 super-heaters and oil burners. November 1.

WASHINGTON, D. C.—Enlargement of the Los Angeles postoffice is proposed in a bill introduced by Representative Osborne, Republican, California, which carries $3,000,000 for remodeling expenses and purchase of land for the proposed addition.

SAN FRANCISCO. Until Oct. 21, 11 a. m., under Order No. 3329, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. f. o. b. wharf, Rio Vista, Solano County, 8 steel bunks, double-decked, angle iron frame. Spec. must be submitted with each bid.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
CLUB BLDG. Cost, $130,000
PASADENA, Los Angeles Co., Cal.
Three-story and basement reinforced concrete club building.
Owner — Young Women's Christian Association.
Architect—Marston & Van Pelt, 600 Chamber of Commerce Bldg.
Contractor—Wm. C. Crowell, No. 412, Chamber of Commerce Bldg., Pasadena.

Plans Being Prepared.
ALTERATIONS Cost, $8,500
SAN FRANCISCO. Presidio Golf Club.
Alter club building (enlarge main locker room, new toilet and shower facilities, etc.)
Owner—Presidio Golf Club.
Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.

Contract Awarded.
CLUBHOUSE, ETC. Cost, $——
WOODLAND, Yolo Co., Cal.
Erection of clubhouse and construction of swimming pool.
Owner—Yolo Fliers' Club.
Architect—W. H. Weeks, 369 Pine St., San Francisco, Cal.
Contractor—W. R. Fait, Woodland, Cal.

MERCED, Merced Co., Cal.—Yosemite Lodge No. 30, Knights of Pythias, complete drive for funds to construct new lodge building. A building costing $30,000 is contemplated.

HOSPITALS

Plans Being Prepared.
ADDITION $25,000
ROSS, Marin Co., Cal.
Frame or concrete addition to sanitarium.
Owner — Ross Sanitarium (Dr. A. Ritter).
Architect—J. W. Dolliver, 114 Sansome St., San Francisco.

Plans Being Figured.
HOSPITAL BLDGS. Cost, $——
SANTA BARBARA, Cal.
Three reinforced concrete and hollow tile hospital buildings (1 4-story; 1 3-story and a 1-story structure).
Owner—St. Francis Hospital.
Architect—E. L. Mayberry, 472 Pacific Bldg., Los Angeles and Pool, Kirkhuff & Schaaf, Santa Barbara.

Plans Being Prepared.
HOSPITAL Cost, $250,000
SANTA ANA, Orange Co., Cal.
Hospital.
Owner—Santa Ana Community Hospital Assn.
Architect—F. H. Eley, Santa Ana, Cal.

Preliminary Plans Being Prepared.
PREVENTORIUM BLDGS. Cost, $——
LARENA, Fresno Co., Cal., about 45 miles from Fresno.
Preventorium (tuberculosis) buildings.
Owner—County of Fresno, D. M. Barnwell, Clerk.
Architect—Swartz & Ryland, Rowell Bldg., Fresno, Cal.

Bids Ordered Called For.
HOSPITAL UNIT Cost, $40,000
EUREKA, Humboldt Co., Cal. County Hospital Grounds.
First unit (main building) of Tuberculosis Hospital.
Owner—Humboldt County.
Architect—Newton Ackerman, 430 "H" St., Eureka, Cal.
It is probable that the bids will be opened Nov. 15.

Wins Competition—Commissioned to Prepare Plans.
WARD BLDGS., ETC. Cost, $250,000
DECOTO, Alameda Co., Cal.
One three-story and one four-story brick ward buildings also one-story addition to present hospital.
Owner—Masonic Home of California.
Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.

SAN FRANCISCO.—Mr. John D. McGilvray returned October 7th from Atlanta with the authentic news that San Francisco will have a $225,000 hospital, to be erected by the Mystic Shrine for crippled children, irrespective of creed or color.

Other cities to win hospitals were St. Louis, Montreal, Shreveport, Minneapolis and St. Paul. The latter two having one joint hospital.

The structures will be built on the same plan. Mr. McGilvray will have charge of the details relating to the San Francisco building, for which an allotment of $50,000 a year was voted for maintenance.

BAKERSFIELD, Kern Co., Cal.—Members of the Kern County Welfare Board and the Board of Supervisors have made a tour of sites proposed for the new county hospital and selection of a site is expected in the near future. Plans for the building, to cost $250,000, are being completed by Architect Chas. Bigger of Bakersfield. It is planned to have construction start by January 1.

PASADENA, Los Angeles Co., Cal. William Crowell, Chamber of Commerce Bldg., Pasadena, has been awarded the general contract at $17 000 for erecting a new four-story Cla A ward building for the Pasade Hospital Association, Pasadena. W. McArthur, I. W. Hellman Bldg., L Angeles, was awarded the plumbin heating and ventilating at about $5 000 and the painting was let to Wo mell & Drawbaugh, Pasadena, at abo $12,000. Myron Hunt, 1107 Hibernia Bldg., Los Angeles, is the architect.

AHWAHNEE, Madera Co., Cal.—Until Nov. 12, 11 a. m., bids will be received by T. J. Cronin, secretary, Tr County Tuberculosis Committee, f fur. and del. one X-ray transform and one adjustable fluoroscopic scree installed complete at Ahwahnee san torium. Cert. check 10% required wi each bid. Spec. may be had from t secretary.

POWER PLANTS

PASADENA, Los Angeles Co., Cal. Llewellyn Iron Works, Los Angele awarded contract for steel column trusses and purlins for municipal pov er plant at Glenarm St. and Raymo Ave. Pac. Iron & Steel Co. award roofing at $3125.

PUBLIC BUILDINGS

NEVADA CITY, Nevada Co., Cal.—A. Quandt & Sons, 180 Jessie St., Sa Francisco, at $2223 awarded contra by Supervisors to paint county cour house, the county to furnish the nece sary materials.

MODESTO, Stanislaus Co., Cal.—V H. Blizzard, Modesto, at $576.63 awar ed contract by Council to replace 3-p asbestos roof on City Hall.

SACRAMENTO, Cal. — Constructi of a municipal auditorium in Sacr mento is urged by City Manager Cly L. Seavey. A majority of the Cit Council is in favor of such a stru ture. It is proposed to finance co struction through a bond issue. building costing $500,000 is planned.

MADERA, Madera Co., Cal.—Supe visors accept bid of E. N. White f carpeting rooms in county courthou at $2.48 sq .yd. laid, and $.15 for linin C. A. Dunn at $2.80 sq. yd. award contract for laying linoleum in Coun Hospital.

WASHINGTON, D. C.—Following bi were received by the Commissioner Indian Affairs, on October 5 for co structing power house and improv ments to heating plant at Salem India School, Oregon.

Johnson Construction Co., Fargo, D., item 1, $17,703; 2, $21,981; 3, $8,70 150 days.

R. F. Yoder, Gallup, N. M., total $6 985.

Hillard & Pearce, Inc., 220 W. 42d S New York City, item 1, $26,000; 2, $2 000; 3, $10,000; 150 days; total, $58,000

Alphonse Custodis Chimney Constru tion Co., 95 Nassau St., New York Cit item 3, $7,975; alternate for brick, f. b. cars Seattle, $7,250; extra concret $18 per cu. yd.; extra excavation, $4 p cu. yd.; 60 days.

WASHINGTON, D. C.—The contra for installing metal vault shelving i the U. S. public building at Honolul H. T., was awarded to the Dexte

Metal Mfg. Co., Camden, N. J., $2,071; time for completion, 90 days.

Bureau of Yards and Docks, Navy Department, Wash.—Bids are wanted until November 2, specification 4489, for remodeling barracks at the navy yard at Mare Island, Calif.

Plans may be obtained from Washington or within a few days from the Commandant at Mare Island Navy Yard as they are now on the way from Washington. Deposit $10.

Bureau of Yards and Docks, Navy Department, Wash.—Bids are wanted until December 7, specification 4504, for constructing a one-story storehouse at the naval station at Pearl Harbor, H. T. Plans may be obtained from Washington or within a few days from the Commandant at the Mare Island Navy Yard as they are now on the way from Washington. Deposit $10.

SACRAMENTO, Cal. — The finish hardware for the San Francisco State Building has been purchased through the Department of Public Works Purchasing Agent and the order just awarded to the Palace Hardware Co., 581 Market St., San Francisco, for the amount of $7,494.

RESIDENCES

Contract Awarded.
DWELLING Cost, $15,576.
SACRAMENTO. 2726 "J" St.
Two-story frame dwelling.
Owner—Paul Fletcher, 2804 "J" St., Sacramento.
Architect—Not given.
Contractor—Betz & Mabry, 324 Ochsner Bldg., Sacramento.

Contract Awarded.
RESIDENCE Cost, $13,000
FRESNO. 3707 Huntington Ave.
Frame residence.
Owner—E. M. Prescott, 3343 Kerckhoff Bldg., Fresno.
Contractor—Shorb & Neads, 627 McKinley Ave., Fresno.

To Be Done By Day's Work.
RESIDENCE Cost, $10,000
SAN FRANCISCO. NW 41st Ave. and Fulton St.
One-story and basement frame and plastered residence.
Owner—Mrs. Sarah McGee.
Architect—Matthew O'Brien, Foxcroft Budg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $11,100
SAN FRANCISCO. N. Francisco 125 W. Franklin.
Two-story and basement frame residence.
Owner—N. Gallucci, 1242 Montgomery Street.
Architect—T. Zanolini, 706 Montgomery St.
Contractor—F. C. Amoroso, 1336 Kearny St.

Contract Awarded.
RESIDENCE, ETC. Cost, $15,000
STOCKTON, San Joaquin Co., Cal.
Two-story frame and plastered residence and garage.
Owner—Dr. Louis M. Haight.
Architect—Wm. E. Milwain, Albany Bldg., Oakland.
Contractor—F. W. Maurice, 1362 E. 15th St., Oakland.

General Contract Awarded.
RESIDENCE, ETC.
Cost, $16,000 to $17,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame, plaster and brick residence, 11 rooms and garage.
Owner—Dudley Dexter.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

H. M. Frostholm, 877 Lakeshore Ave., Oakland, has been awarded a contract at $8,775 for all work except the plumbing, heating, electrical, wiring, and fixtures, plastering, hardwood floors, wall paper, etc. Grading awarded to E. E. Armstrong.

Plans Being Figured.
BUNGALOW
ELMHURST, Alameda Co., Cal. 2515 Jones Ave.
One-story 4-room frame bungalow.
Owner—J. Segel, Premises.
Architect—Not given.
See owner on Saturday or Sunday afternoon.

INGLEWOOD, Los Angeles Co., Cal. —W. F. Ferch & Co., 4972 Pasadena Ave., Los Angeles, have subdivided an 18-acre tract, cor. Lincoln and Los Angeles Sts., Inglewood, into 77 lots for J. C. Cunningham and will immediately start constructing 4 and 5-rm. bungalows. Curbs, gutters and sidewalks will also be constructed. The bungalows will be frame constr.; siding, comp. shingle rfs., pine fls., o. p. trim; $250,000. Bids will be taken about Oct. 15 on all sub-contract work.

SCHOOLS

Plans Being Figured—Bids Close Oct. 26, 1921, 9 a. m.
SCHOOL Cost, $——
LOS ANGELES. Latona Ave. school site at Avenue 43 and Berenice Ave.
Two-story brick school, 5 classrooms, assemblyroom and lavatories.
Owner—Los Angeles Board of Education.
Architect—Architectural Dept. of Los Angeles Board of Education.
Plans may be obtained at the secretary's office, 730 Security Bldg., Los Angeles. Separate bids will be taken for a general contract, plumbing, painting, heating and wiring.

Contracts Awarded.
SCHOOL Cost, $7786
PROBERTA, Tehama Co., Cal.
Concrete school.
Owner—Flores School District.
Architect—Jas. H. Hoose, Graves Bldg., Chico.
Contractor—R. B. McKenzie, Gerber, Cal.

Plans Being Prepared.
SCHOOL BLDGS. Cost, $300,000
PORTERVILLE, Tulare Co., Cal.
Group of reinforced concrete and brick school buildings; main bldg., two stories high with 320 ft. frontage; auditorium seating 1200; gymnasium, etc.
Owner—Porterville School District.
Architect—Coates & Traver, Rowell Bldg., Fresno, Cal.

Commissioned to Prepare Plans.
GYMNASIUM Cost, $——
OXNARD, Ventura Co., Cal.
One-story brick or hollow tile gymnasium, 40x115.
Owner—Oxnard Union High School District.
Architect—Allison & Allison, 1403 Hibernian Bldg., Los Angeles.

Plans Being Figured—Bids Close Oct. 24, 1921, 2 P. M.
GYMNASIUM Cost, $30,000
TRACY, San Joaquin Co., Cal.
One-story reinforced concrete gymnasium building.
Owner—West Side Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
For further particulars see call for bids in "Official Proposals."

Plans Approved.
SCHOOL BLDGS., ETC. Cost, $350,000
SELMA, Fresno Co., Cal.
Group of school buildings and additions to present structures.
Owner—Selma Union High School District, J. R. McKillop, Principal.
Architect—Norman F. Marsh, Broadway Central Bldg., Los Angeles, Calif.
New group will consist of two-story and basement Science building; one-story gymnasium; one-story Manual Arts building. Erection of buildings depends upon bond issue carrying on Nov. 3 or 5, the exact date not having been set. Members of the Board of Education are: Frank A. Dodson, chairman; C. W. Christensen, clerk, and J. B. Crocker, Walter Staley and Joel H. Smith.

Commissioned to Prepare Plans.
SCHOOL BLDG. Cost, $150,000
MANTECA, San Joaquin Co., Cal.
Three 1-story reinforced concrete and brick high school buildings (main bldg., gymnasium and shop buildings).
Owner—Manteca Union High School District.
Architect — Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Plans Being Figured—Bids Close Oct. 22, 2 p. m.
SCHOOL BLDG. Cost, $——
GLENDORA, Fresno Co., Cal.
Erection of school building.
Owner—Glendora Joint School District, Lewis Roberts, Clerk.
Architects—Glass, Butner & Peterson, Cory Bldg., Fresno, Cal.
See call for bids under official proposal column.

Plans Being Figured—Bids Close Oct. 21, 3 p. m.
SCHOOLS, ETC. Cost, $——
FRESNO, Fresno Co., Cal.
Erection of two 2-room schools and toilet buildings for each structure.
Owner—Tielman School District, G. H. Van Meter, Clerk.
Architect—Coates & Traver, 626 Rowell Bldg., Fresno, Calif.
See call for bids under official proposal column.

Plans Being Refigured—Bids Close Nov. 1, 1921, 8 p. m.
SCHOOL BLDG. Cost, $150,000
NAPA, Napa Co., Cal.
Brick and reinforced concrete grammar school bldg.
Owner—Napa School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Slight changes have been made in the plans. Figures are being taken for a general contract.

Plans Being Figured—Bids Close Oct. 27, 2 p. m.
SCHOOL BLDG. Cost, $——
REDWOOD VALLEY, Mendocino Co., Cal.
Elementary school building.
Owner—Redwood Valley Elementary School District, Alex Kauhanen, Clerk, Redwood Valley, Cal.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
See call for bids under official proposal column in this issue.

Plans Being Figured—Bids Close Nov. 5, 2 p. m.
SCHOOL BLDG. Cost, $——
PARLIER, Fresno Co., Cal.
Erection of high school building.
Owner—Parlier Union High School District.
Architect—Anton Johnson, Kingsburg Bank Bldg., Kingsburg, Cal.
Segregated bids will be taken. **See call for bids under official proposal column.**

Plans Being Figured—Bids Close Oct. 26, 7:30 p. m.
SCHOOL BLDGS. Cost, $——
VISALIA, Tulare Co., Cal.
Group of high school buildings.
Owner—Visalia Union High School District, C. T. Pool, Clerk, Visalia, Cal.
Architect—Ernest J. Kump, 207-8 Rowell Bldg., Fresno, Co.
See call for bids under official proposal column in this issue.

Plans Being Figured—Bids Close Oct. 26, 8 p. m.
SCHOOL BLDG. Cost, $——
NAPA, Napa Co., Cal.
One and 2-story reinforced concrete and brick school bldg. (John Shearer grammar school).
Owner—Napa School District, Howard E. Roper, Clerk, Napa, Cal.
Architect—W. H. Weeks, 369 Pine St., San Francisco, Cal.
See call for bids under official proposal column in this issue.

HANFORD, Kings Co., Cal.—Until Oct. 24, 8 p. m., bids will be received by G. W. Armstead, Clerk, Hanford Union High School Dist., for fur. and del. one plain 60-in. bed lathe with 12-in. swing over bed; one 4-speed alternating current motor with head stock in arbor of motor, and one 4-speed motor head controller and accessory equipment. Cert. check 10% required with each bid. Spec. may be had from clerk.

BERKELEY, Cal.—The Berkeley Board of Education received the following bids on October 11th for mechanical equipment for the boiler house at the High School and for the construction of a one-story brick vocational shop building in South Berkeley, to be known as the "Edison Shop Building." Plans were prepared by Architect Wm. C. Hays, First National Bank Bldg., San Francisco. All bids taken under advisement.

Mechanical Equipment for High School

F. W. Snook	$33,500
J. E. O'Mara	35,845
Herman Lawson	35,300
Turner Co.	36,960
Frank J. Klimm	38,518
W. K. Nottingham	35,700
Scott Co.	35,765
Hunt Merk	41,909
Carl T. Doell	33,620

EDISON SHOP BUILDING

Painting

Burton & Kirkhouse	$1339
R. Zelinsky	1240
A. Quandt & Co.	1725

Roofing and Sheet Metal Work

H. C. Brown	$862
A. K. Goodmundson	968
Walter Mork	1204
Heidt Cornice Works	1133

Electrical Work

Spencer Elec. Works	$1308
Newbery Elec. Co.	1250
B. C. White	1477
M. E. Ryan	1421
Berkeley Electrical Co.	1629
Kohlwey-Smith Co.	1856
Watts Elec. Co.	1500
Butte Elec. Mfg. Co.	1615

Excavating and Concrete

J. M. Bartlett	$1887
Collman & Spiedel	1919
I. M. Sommers	1556
A. Wegner	2214
Jepson Bros.	2170

Plumbing

Thos. I. Cotton	$ 798
J. E. O'Mara	1325
F. W. Snook	960
Carl T. Doell	955
Scott Co.	1000
Herman Lawson	1346

Masonry Work

John Morton	$3850
Herbert Beckwith	3998
White & Gloor	4239
M. B. McGowan	4200
Mealy & Collins	4200
John Thompson	4855
W. T. Bond	4900

Carpentry and Mill Work

John M. Bartlett	$ 9,843
Collman & Spiedel	12,898
I. M. Sommers	10,700
John Morton	11,300
Conner & Conner	11,500
F. W. Maurice	10,780
Walter Sorensen	13,395
A. Wegner	11,680
A. J. McPhee	11,383
Hansen & Petersen	11,450

SANTA ROSA, Sonoma Co., Cal.—Central Electric Co., 185 Stevenson St., San Francisco, at $2,590, submits only bid to Board of Education for wiring Santa Rosa high school. Bid taken under advisement.

BAKERSFIELD, Kern Co., Cal.—Smetzner & Howard, Bakersfield, at $2,965, awarded contract by Midway School District to install Clow Gas Steam Radiation System in school building. Other bidders were: W. M. Fisher, Bakersfield, Buffalo gas steam radiation, $2,220—Potter Warm Air Gas, $1,600; Williams Radiator Co., Los Angeles, Clow gas steam, $2,715.20. Orville C. Clark, Brower Bldg., Bakersfield, architect.

OAKDALE, Stanislaus Co., Cal.—The Board of Trustees of the Oakdale Grammar School District received the following bids on October 10th, for the construction of a one-story brick and concrete five-room school. Plans were prepared by Architects Davis-Heller-Pearce Co., Delta Bldg., Stockton. The lowest bids were taken under advisement.

Building Complete

Shepherd & Riley	$39,475
Ubel & Van Till, Ripon	40,500

Bid of Shepherd & Riley, Yosemite Bldg., Stockton, taken under advisement.

General Contract (Except Heating, Plumbing, Electric and Painting)

Jos. Chirhart	$31,942
Sample & Cody	34,450

Bid of Chirhart, 521 S-San Joaquin St., Stockton, taken under advisement.

Heating

Carl T. Doell, Oakland	$1984
Scott Co.	2725
Horace Thompson	2837
P. J. Enright	2900
Jas. Nelson	3275

Bid of C. T. Doell and Scott Co. taken under advisement.

Plumbing

Horace Thompson	$2590
Carl T. Doell	2426
Scott Co.	3719

Bid of H. Thompson taken under advisement.

Electrical Work

Turner Hardware Co.	$1062
A. P. Sipe	1295

Bid of The Turner Hardware Co. taken under advisement.

Painting

D. Zelinsky	$1590
R. Zelinsky	1842
Garrow & Capps	1961
Zeb. Knott	1985

All bids rejected on painting.

Plumbing, Heating, Electrical and Sheet Metal Work (Combined)

Miller-Hays, Stockton	$6769

Bid taken under advisement.

LOS ANGELES, Cal.—J. F. Kobler, 918 W. 8th St., Los Angeles, submitted the lowest bid at $70,447 on the general contract for erecting a new school building at Belvedere school site, at Rowan Ave. and First St. Train & Williams, 226 Western Mutual Life Bldg., Los Angeles, is the architects. The low bidders on the other contracts were: H. E. Murray on the plumbing at $7444; Arthur Hess on the heating at $3813; F. E. Newberry Co. on the electrical work at $4326; and A. Quandt & Son, San Francisco, on the painting at $2911. The building will contain ten classrooms; two stories, 150x37 ft., with a wing, 47x62 ft.; brick construction, terra cotta trim, clay tile roof, pine trim, maple floors. The bids were referred to the business manager for recommendation. The bids received were as follows:

General Contract—J. F. Kobler, $70,447; John Simpson & Co., $75,000; Bavin & Burch Co., $76,900; T. Bennett, $77,972; Willard-Brent Co., $79,003; Alex. Grant, $79,400; Walter Slater Co., $83,000; Rommel Constr. Co., $84,500; J. D. Keen Constr. Co., $87,000.

Plumbing—H. E. Murray, $7444; G. C. Sutton, $7571; E. W. Crowell, $7789; J. Hokom, $8355; and Thas. Haverty Co. $8790.

Heating—Arthur Hess, $3813; J. Hokom, $3842; G. C. Sutton, $4050; Thos. Haverty Co., $4325, and Jas. A. Nelson, $4388.

Electrical Work — F. E. Newberry Electric Co., $2642; American Electric Constr. Co., $2800; Prewitt Electric Co., $2847, and Renard & Stary Electric Co., $2896.50.

Painting—A. Quandt & Son, $2911; Alhambra Wall Paper & Paint Co., $3190; D. Zelinsky & Son, $3500; G. C. Hewitt, $3575; E. A. Lindgreen, $3680, and Arenz-Warren Co., $4114.

YUBA CITY, Sutter Co., Cal.—The following bids were received on Oct. 8th by the Trustees of the Center-Gaither Union High School District near Yuba City for the construction of a one-story hollow tile and plaster school building. Plans were prepared by Architects Geo. C. Sellon & Co., Mital Bldg., Sacramento. All bids were taken under advisement.

Masonry and Carpentry

H. W. Robertson, 1209 20th St., Sacramento	$26,200
Jas. L. McLaughlin, S. F.	29,500
W. A. Sabin	32,500

Plastering

Thos. S. Scollan Co., 2909 T St., Sacramento	$6,767

Painting

D. Zelinsky, S. F.	$1,027
R. Zelinsky, S. F.	1,683
B. E. Burgess	1,341

Roofing

A. Burr	$1,990

Plumbing

Booth & Herbooth, Marysville	$2,880

Heating

Booth & Herbooth	$2,565.75

Sheet Metal Work

Booth & Herbooth	$1,050

Electric Work

T. Syvertsen & Son, Marysvillt..$4,019
Calif. Mechanical & Elec. Eng. Co 5323

Complete Mechanical Equipment

Latourrette-Fical Co., Sacto.	$8,200

PORTLAND, Ore.—Following low bids received by the School Board for James John high school in St. Johns district: General contract, Geo. Isackson, Builders' Exchange, Portland, $189,106; electric work, NePage, McKenny Co., $9,397; plumbing, Rushlight & Hastorf, $16,220; heating, Dausch Heating and Engineering Co., $48,000.

H. E. Doering, Portland, at $59,327 submitted low bid for constructing third unit of Rose City Park school. All bids taken under advisement.

REEDLEY, Fresno Co., Cal.—Until Oct. 21, 7:30 p. m., bids will be received by Marion Deneen, clerk, Reedley Joint Union High School District, for constructing wire fence and erecting bleachers on new high school grounds. Spec. on file in office of clerk at Reedley.

LOS ANGELES, Cal.—J. F. Kobler, 918 W. 8th St., Los Angeles, was the lowest bidder at $62,308 on the general contract for erecting a new school

uilding at Breed St. school site. Noenberg & Johnson, 401 L. A. Ry. Bldg., os Angeles, are the architects. The ow bidders on the other contracts ere: J. Hokom on the plumbing at 6665; Thos. Haverty Co. on the heating at $3390; E. A. Lindgreen on the ainting at $2865; and Renard & Stary Elec. Co. on the wiring at $2082. Ten lassrooms, 2-sto., 145x81 ft., brick onstruction, plas. exter., cast stone rim, clay tile rf., pine trim, maple fls. The bids received were as follows:

General Contract—J. F. Kobler, $62,-08; J. B. Dawson, $63,894; John Simpon Co., $67,500; K. R. Bradley Const. Co., $67,879; Macdonald & Driver, $70,-00; and Walter Slater Co., $98,000.

Plumbing—J. Hokom, $6665; G. C. Sutton, $7032; E. W. Crowell, $7227; and Thos. Haverty Co., $7400.

Heating—Thos. Haverty Co., $3390; G. C. Sutton, $3737; Arthur Hess, $3980; J. Hokom, $4060; and Hoagland-Lakin Elec. & Engr. Co., $4389.

Painting—E. A. Lindgreen, $2865; G. C. Hewitt, $3525; Alhambra Wall Paper & Paint Co., $3727; A. Quandt & Son, $3789; Arenz-Warren Co., $3947; and D. Zelinsky & Son, $4100.

Electrical Work—Renard & Stary Co., $2082; American Electric Constr. Co., $2529; Prewitt Electric Co., $2665; and F. E. Newberry Co., $2758. The bids were referred to the business manager for recommendation.

LOS ANGELES, Cal.—J. B. Dawson, Fay Bldg., Los Angeles, submitted the lowest bid at $56,985 on the general contract for erecting a new school bldg. at Santa Barbara Ave. school site at Santa Barbara and Western Aves., Los Angeles. Edw. C. Taylor, 713 W. 8th St., Los Angeles, is the architect. The low bidders on the other contracts were: H. E. Murray, 1631 7th Ave., on the plumbing at $4684; J. Hokom on the heating at $3295; Alhambra Wall Paper & Paint Co. on the painting at $3792; and Prewitt Electric Co., 1722 E. 7th St., on the wiring at $1760. The bids were referred to the business manager for recommendation. The building will contain 10 classrooms; 2-sto., 113x62 ft.; cem. basement, brick walls, plas. exter., cast stone trim., comp. rf., pine trim, maple floors. The bids received were as follows:

General Contract—John B. Dawson, $56,985; Escherich Bros., $58,344; Alex Grant, $58,933; Willard-Brent Co., $58,-909; J. F. Atkinson, $60,980; K. R. Bradley Constr. Co., $64,683; L. A. Giesler & Son, $69,995; and Walter Slater Co., $79,900.

Plumbing—H. E. Murray, $4684; G. C. Sutton, $4890; W. W. Brooks, $5100; E. W. Crowell Co., $5147; Thos. Haverty Co., $5225, and J. Hokom, $6138.

Heating—J. Hokom, $3295; Thos. Haverty Co., $3940, and W. W. Brooks, $4500.

Painting—Alhambra Wall Paper & Paint Co., $3792; G. C. Hewitt, $4150; D. Zelinsky & Son, $4250; E. A. Lindgreen, $4285, and Arenz-Warren Co., $4692.

Electrical Work—Prewitt Electric Co., $1760; F. E. Newberry Co., $1971; Renard & Stary Elec. Co., $2036.50, and American Electric Constr. Co., $2052.

TURLOCK, Stanislaus Co., Cal.—Modesto and Turlock Irrigation Districts, acting jointly, decide to construct school building and community hall at Don Pedro damsite, for accommodation of families employed on the project.

TRACY, San Joaquin Co., Cal.—Until Oct. 24, 2 p. m., bids will be received by West Side Union High School Dist., Tracy, for fur. and del. equipment and supplies for manual training departments of the high school. Cert. check 10% payable to Clerk of District required with each bid. Spec. may be had from Clerk at high school. Trustees of district are: W. Schlossman, B. S. Crittenden, H. A. Frerichs, G. J. Luhrsen and M. Bronich.

NEWMAN, Stanislaus Co., Cal.—The following bids were received on Oct. 7th by the Board of Trustees of the Newman Grammar School District for the construction of a one-story hollow tile school building. Plans were prepared by Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento. All bids were taken under advisement:

Masonry and Carpentry Work

Knutson & Engen, Sacramento	$36,786
Earle Hibbard	42,145
J. L. McLaughlin	43,500
C. A. Tornell	38,929
West Coast Constr. Co.	45,679

Plastering

Thos. F. Scollan, Sacramento	$ 9,980
Perry Bros., Sacramento	11,150

Painting

Max Kidder, Newman	$1,850
D. Zelinsky, San Francisco	2,083
Zeb Knott, Richmond	2,650
R. Zelinsky, San Francisco	2,682

Roofing

Johns-Manville Co., S. F.	$3,087.50
Simpson-Gray Lumber Co.	3,150.00

Plumbing

Geo. Miller & Co.	$2,701.50
Carl T. Doell	3,056.00

Heating

Scott Co.	$3,690
Carl T. Doell	3,873

Sheet Metal Work

Geo. Miller & Co.	$850

Electrical Work

Turner Hdw. & Imp. Co.	$5,572
Patterson Elec. Co.	4,418
C. E. Osborn	3,158

Complete Mechanical Equipment

Latourett-Fical Co., Sacto.	$11,500

CHICO, Butte Co., Cal.—Mechanical Engineering and Supply Co., 906 7th St., Sacramento, at $8599 awarded contract by Chico School Board to install pressure pumping plant for water system at Chico High School. Latourette-Fical Co. of Sacramento only other bidder.

TAFT, Kern Co., Cal.—Until Oct. 22, 7:30 p. m., bids will be received by Taft Union High School District, E. W. Nesbit, Jr., Clerk, for excavation and grading the athletic field for the high school. Orville L. Clark, Brower Bldg., Bakersfield, Architect. Cert. check 10% payable to Board of Trustees of Dist. required with each bid. Plans may be had from architect or clerk.

STORES AND OFFICES

Working Drawings Being Completed.
OFFICES, ETC. Cost, $350,000
FRESNO, Fresno Co., Cal. Adjoining Kinema Theatre.
Six-story concrete and brick stores and offices, 100x150.
Owner—Brix Estate. Represented by E. J. Fernstermacher, Attorney, Griffith-McKenzie Bldg., Fresno.
Architect — Eugene Mathewson, Cory Bldg., Fresno.

To be Done by Day's Work.
FRAME STORES Cost, $9000
SAN FRANCISCO, NW Geary and 21st Avenue.
One-story frame stores.
Owner—W. A. Savage, 81 7th Ave., San Francisco.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.

Plans Being Prepared.
STORE BLDG. Cost, $15,000
SAN FRANCISCO. O'Farrell near Fillmore.
One-story reinforced concrete store building.
Owner—Leon Lewin.
Architect—S. Lightner Hyman, Foxcroft Bldg., San Francisco.

Plans Being Prepared.
STORE BLDG. Cost, $——
BURLINGAME, San Mateo Co., Cal. Burlingame Avenue.
Two-story concrete store building.
Owner—Frederick Smith Furniture Co., 300 B St., San Mateo.
Architect—Thos. M. Edwards, 833 Market St., San Francisco.

Plans Being Prepared.
STORE Cost, $——
BURLINGAME, San Mateo Co., Cal. Burlingame Avenue.
One-story brick store.
Lessee—Penn Furniture Co., 130 Second St., San Mateo.
Architect—None.
Contractor—Geo. A. Born, Burlingame.

Plans Being Prepared.
STORE & LOFT BLDG. Cost, $——
SAN FRANCISCO. N. Mission St. 75 W. 4th St. 75x160.
Three-story and basement reinforced concrete store and loft building.
Owner—Name withheld.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., San Francisco.
Construction will be started as soon as tenants can be obtained for the building.

Plumbing Contract Awarded.
STORE BLDG. Cost, $190,000
OAKLAND, Alameda Co., Cal. Broadway between 15th and 16th Sts.
Three-story reinforced concrete store building.
Owner—H. C. Capwell Co.
Lessee—Reich & Lievre.
Architect—Wm. Knowles, Call Bldg., San Francisco, and Central Bank Bldg., Oakland.
Scott Co. have been awarded the contract for heating and plumbing.

Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. Gore Columbus Avenue and Kearny Street.
Alterations (reinforced concrete slabs, girders and columns, etc.)
Owner—Withheld.
Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.

Figures to Be Taken End of This Week.
STORE BLDGS. Cost, $——
OAKLAND, Alameda Co., Cal. Telegraph Ave.
Two 1-story frame store bldgs (1 to contain 8 stores and the other 4 stores).
Owner—Name withheld.
Architect — W. E. Milwain, Albany Bldg., Oakland.
Figures will be taken for a general contract.

Permit Applied For.
STORE BLDG. Cost, $17,500
SAN FRANCISCO. E. Mission 90 N. 19th.
One-story reinforced concrete building.
Owner—Samuel Hamburger, 110 Sutter St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

LOS ANGELES, Cal.—Leonard Woodruff, 262 S. Mariposa St., Los Angeles, has purchased a lot on Hollywood Blvd., opposite the Branch Library and contemplates the erection of a 4-story class A store bldg. The owner states that he will probably not commence work for six months.

(Continued on Page 20)

Official Proposals

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS AND BUILDERS

NOTICE IS HEREBY GIVEN that bids will be received by the Board of Trustees of the West Side Union High School District **up to 2 o'clock P. M., on the 24th day of October, 1921,** and will be opened at the same time, for the erection and completion of a concrete gymnasium building according to plans and specifications made for the same by W. H. Weeks, the authorized architect employed by the Board.

Bids will be received for the building complete and a separate bid on the electric wiring. Plans and specifications may be seen at the office of the Clerk of the Board in the West Side Union High School, Tracy, California, or at the office of the architect, W. H. Weeks, 369 Pine Street, San Francisco.

A deposit of ten dollars ($10.00) cash will be required on all plans loaned out as a guarantee of good faith. All bids must be made out on blank forms furnished by the architect and must be accompanied by a check for not less than ten (10) per cent of the amount of bid, check to be made payable to W. Schlossman, president of the Board and certified to by some responsible banking house This check to be forfeited in the event that the successful bidder, after having been awarded the contract, fails within ten (10) days to sign the contract and furnish a good and sufficient bond, as required by law. The Board reserves the right to reject any and all bid.

Dated Sept. 27, 1921.

W. SCLOSSMAN, President,
B. S. CRITTENDEN,
H. A. FRERICHS,
G. J. LUHRSEN,
M. BRONISH,
Board of Trustees of the West Side Union High School District.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Pursuant to an order of the Board of Trustees of the Tielman School District, duly past and entered in its minutes of October 6, 1921, notice is hereby given that the said board will receive sealed proposals for the following work:

(1) The erection of a two-room school building on Hughes Avenue.

(2) The erection of a two-room school building on Tielman Avenue.

(3) The erection of toilet buildings at each of the above mentioned locations.

Plans and specifications are on file with G. H. Van Meter, Clerk of the Board, and copies may be obtained at the offices of the architects, Coates & Traver, 626 Rowell Bldg., Fresno, California.

All proposals must be in the hands of the Board at the Architects' offices **on or before 3 P. M., October 21, 1921,** and each proposal must be accompanied by a certified check equal to at least 10 per cent of the amount of the proposal submitted for the work.

The Board reserves the right to reject any and all bids received and all bids received must be sealed and the name of the bidder clearly marked on the envelope.

THE BOARD OF TRUSTEES.
Tielman School District, Fresno County, California.
G. H. Van Meter, Clerk.

BIDS WANTED FOR REINFORCED CONCRETE AND BRICK SCHOOL

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received and opened by the Board of Trustees of the Napa School District, Napa County, California, **up to 8 o'clock p. m. on the 26th day of October, 1921,** for the erection and completion of a concrete and brick school building to be known as the John L. Shearer Grammar School, in the City of Napa, Napa County, California, all in accordance with plans and specifications made for the same by W. H. Weeks, the authorized architect employed by the Board.

Bids will be received as follows:

(1) The General Contract, together with alternate propositions.

(2) The Heating System.

Plans and specifications can be seen at the office of the Clerk of the Board in Napa, between the hours of 9 a. m. and 3 p. m. of any day, except Saturdays, Sundays and holidays, or at the office of the Architect, W. H. Weeks, 369 Pine street, San Francisco, California, during business hours.

On a deposit of Twenty ($20.00) Dollars complete sets of said plans and specifications may be had by any prospective bidder. If not returned by the time bids are received or if mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made on proposal blanks obtained at the office of the Architect and to be signed by the bidder, accompanied by a certified check for at least ten per cent (10 per cent) of the amount of the bid or proposal, certified to by some responsible bank and made payable to Howard E. Roper, Clerk of the Board of Trustees of the Napa School District, to be retained by said School District as liquidated damages should any party or parties to whom the contract shall be awarded fail to enter into contract after the award, or to give bonds required for the faithful performance of the contract or any bond required by law.

The Board reserves the right to reject any and all bids.

Address bids to Howard E. Roper, Napa, California, Clerk of the Board.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that the Trustees of the Glendora Joint School District of Fresno and Kings Counties, California, will receive sealed bids **up to and not later than 2 o'clock P. M., on Saturday, October 22, 1921,** for the construction and completion of a school building in accordance with the plans and specifications prepared by Glass, Butner & Petersen, Architects, Cory Bldg., Fresno, California. Bids will be opened at the First National Bank of Riverdale, California.

Plans and specifications may be obtained from the Architects.

All bids to be accompanied by a certified check on some solvent bank in the amount of ten per cent of the amount of the bid in favor of the clerk of the said school district, upon the condition, that if awarded the contract, the successful bidder will within five days thereafter, execute a contract for the construction of the work, and that he will furnish an approved bond in the amount of fifty per cent of the contract price.

The Trustees reserve the right to reject any and all bids.

LEWIS ROBERTS,
Clerk of the Board of Trustees Glendora Joint School District.

NOTICE INVITING SEALED PROPOSALS FOR THE CONSTRUCTION OF AN ELEMENTARY SCHOOL BUILDING AT REDWOOD VALLEY

NOTICE IS HEREBY GIVEN, by the Board of Trustees of the Redwood Valley Union School District, at Redwood Valley, Mendocino County, California, that bids will be received by said Board for the erection and construction of a new Elementary School Building at Redwood Valley in said district.

Plans and specifications may be obtained from the Clerk of the Board at Redwood Valley, or from the Architect, Norman R. Coulter, at 46 Kearny Street, San Francisco. A deposit of Ten ($10.00) Dollars will be required for each set of plans.

All bids will be opened by the said Board of Trustees on the **27th of October at 2 P. M.,** at Supt. Good's office, Ukiah, Calif., and all bids must be delivered to Alex Kauhanen, Clerk of said Board, before said hour, enclosed in sealed envelope and marked on the outside, "Bids for construction of Elementary School Building at Redwood Valley."

All bids must be accompanied by a certified check, cash or a certificate of deposit equal to ten (10) per cent of the amount bid; checks or certificates of deposit to be made payable to the Board of Trustees and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted upon his entering into a contract with the said School District and giving such bonds as may be required by law or said Board.

The Board of Trustees reserves the right to reject any and all bids.

ALEX KAUHANEN,
Clerk of the Board of Trustees of the Redwood Valley Elementary School District, Redwood Valley, California.

BIDS WANTED FOR HIGH SCHOOL BUILDING

NOTICE TO CONTRACTORS

The Board of Trustees of the Parlier Union High School District, Parlier, California, will receive sealed bids **up until 2 o'clock P. M., November the 5th,** at the present High School Building, Parlier, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials, for erecting and completing the proposed new High School Building, in accordance with plans and specifications prepared therefore by Anton Johnson, Architect, of Kingsburg, California. Bids will be received separately for the different segregated contracts as follows:

Contract No. I.—For the Excavating, Concrete, Carpenter Work, Millwork, etc.

Contract No. II.—For Masonry Work and Terra Cotta.

Contract No. III.—For all Sheet Metal Work.

Contract No. IV.—Includes Tile Roofing and paper for same.

Contract No. V.—Includes Composition Roofing and Flashing throughout.

Contract No. VI.—For Lathing and Plastering.

Contract No. VII.—For Furnishing and placing of Blackboards.

Contract No. VIII.—For the Painting.

Contract No. IX.—For Plumbing, Sewering and Gas Fitting.

Contract No. X.—For Electrical Work.

Contract No. XI.—Includes Program Clock and Bell System.

Contract No. XII.—For the Heating and Ventilating.

A certified check or bidders' Bond for an amount not less than ten per cent (10%) of amount of bid should accompany each proposal, made payable to the order of Mr. F. B. Frost, Clerk of the Parlier Union High School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said High School Board in accordance therewith, and shall furnish bonds as required by the specifications. Said check or bidder's bond to be forfeited to the said High School District should the bidder refuse to execute contract and furnish bond as above mentioned.

Plans and specifications for all the above work may be seen in the office of the architect.

A deposit of $20.00 will be required from all contractors receiving same. Said deposit will be refunded when plans and specifications are returned in good condition.

The Board reserves the right to reject any or all bids submitted.

By order of the Board of Trustees Parlier Union High School District, Parlier, California, by Mr. F. B. Frost, Clerk of the Board of Trustees.

Dated, October 10, 1921.

BIDS WANTED FOR HIGH SCHOOL BUILDINGS

NOTICE TO CONTRACTORS

Notice is hereby given that the Board of School Trustees of the Visalia Union High School District, City of Visalia, County of Tulare, State of California, will receive sealed bids for the furnishing of all labor and materials necessary in the erection and completion of a PHYSICAL EDUCATION BUILDING, Job No 805-A, Contract No. 1—MANUAL ARTS BUILDING, Job No. 805-B, Contract No. 2—DOMESTIC SCIENCE BUILDING (Remodeling) Job No 805-C, Contract No 3—DOMESTIC ARTS BUILDING (Addition), Job No. 805-D, Contract No. 4, including works, to be located on the Visalia Union High School Grounds on Main street, between Giddings Avenue and Conyer street City of Visalia, County of Tulare, State of California, according to Plans and Specifications prepared by ERNEST J. KUMP CO., Architects, of the City of Fresno, according to Bids and Alternate Bids asked for in Specifications.

Said Sealed Bids will be received **up to and including 7:30 p. m. of the 26th day of October, 1921,** by the undersigned Clerk of the Board at the High School Building, at the City of Visalia, County of Tulare, State of California.

Said Sealed Bids must be accompanied by a Certified check, Cashier's check or Bidders' bond in a sum equal at least to 10% (ten per centum) of the amount of bid to do the work mentioned and made payable to the undersigned Clerk of the Board as a guarantee that the Bidder or Bidders will execute the Proper Contract and Bonds in case either or all Contracts are awarded to him or them by reasons of their Bids.

Plans and Specifications are on file at the office of the Clerk of the Board at the High School building and additional copies may be obtained at the offices of the District's Architects, the ERNEST J. KUMP CO., 207-8 Rowell Building, Fresno, California.

All Bids to be made out on Blank Forms furnished by the Architects.

The successful bidder or bidders will have to give bonds in the sum of 50% (Fifty per centum) covering labor and materials and in addition a 20% (Twenty per centum) Bond for Faithful Performance, as fully set forth in Specifications.

The said Visalia Union High School District (as owners) reserve the right to reject any and all bids or alternate bids or any part or parts of any bids or alternate bids recevied and reject the balance thereof and to waive any informality in any bids or alternate bids received.

All bids to be addressed to C. T. Pool, Clerk of the Board of the Visalia Union High School District, of the City of Visalia, County of Tulare, State of California.

By orders of said Board of Trustees of the Visalia Union High School District C. T. POOL, Clerk

BIDS WANTED FOR INFIRMARY BUILDINGS, HEATING SYSTEM, ETC.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept 29, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., October 31, 1921, for the construction (except mechanical equipment) of an [illegible] and for [illegible] power, and refrigerating plants, for the United States Public Health Service Hospital, at Fort Bayard, N. Mex. Drawings and specifications may be obtained from the Superintendent of Construction at Fort Bayard, New Mexico, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR OFFICERS' QUARTERS, ETC.

INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 30, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., November 2, 1921, for the construction complete (except mechanical equipment) of two semi-ambulant quarters, four double quarters for Officers, one double quarters for 1st class Personnel, and one quarters for married Attendants for the United States Public Health Service Hospital No. 50, at Whipple Barracks, Prescott, Arizona. Drawings and specifications may be obtained at this office or from the Superintendent of Construction at Whipple Barracks, Prescott, Arizona, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 31st, 1921,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made.

(1) Work incidental to the State Highway as follows: Glenn County near Orland (III Gle-7-C) consisting of the construction of pile and wire dikes and the planting of willow cuttings for the protection of Stony Creek bridge.

(2) Portions of State Highway as follows: San Joaquin County, between 1.3 miles east of Clements and Easterly Boundary (III-S. J. 24-A), about 4.3 miles in length to be graded.

San Luis Obispo County, across Huasna Creek and Alamo Creek, (V-S. L. O.-57-A), two bridges as follows: Across Huasna Creek a bridge consisting of two steel spans of 100 feet each, with reinforced concrete girder approach spans; across Alamo creek a bridge consisting of two steel spans of 100 feet each.

Los Angeles County, between Las Flores Canon and Santa Monica (VII-L. A.-60-B), about 7.4 miles in length to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission
AUSTIN B. FLETCHER,
State Highway Engineer
JOHN F. GALVIN,
Secretary.

BIDS WANTED FOR UNIVERSITY BUILDING

PROPOSAL FOR BIDS

SEALED BIDS will be received at the office of the Comptroller, University of California, Berkeley, California, at or before **9 A. M., Monday, October 17, 1921,** for Concrete Work, Tile and Brick Work, Plumbing Work, Heating Work, and Electric Work for the Student Union Building on the grounds of the University of California at Berkeley.

Plans and specifications may be obtained at the office of John Galen Howard, Architect, 502 First National Bank Building, San Francisco, on deposit of $50 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications in good condition and accompanied by a regular bid for the work. No bids will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid, to secure the execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA.

BIDS WANTED FOR SCHOOL BUILDING

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received and opened by the Board of Trustees of the Soquel Union Grammar School District, Santa Cruz County, California, up to **8 o'clock P. M. on the 1st day of November, 1921,** at Public Library, Soquel, Cal., for the erection and completion of a concrete school building to be known as the Soquel Union Grammar School, in the Town of Soquel, Santa Cruz County, California, all in accordance with plans and specifications made for the same by W. H. Weeks, the authorized architect employed by the Board.

Bids will be received as follows:

(1) The General Contract, together with alternate propositions.

(2) The Heating System.

Plans and specifications may be seen at the office of the architect, W. H. Weeks, 369 Pine Street, San Francisco, California, during business hours, and at the office of Collins & Byrne, New Theater Building, Santa Cruz, Cal.

On a deposit of Twenty ($20.00) Dollars complete sets of said plans and specifications may be had by any prospective bidder. If not returned by the time bids are received or if mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made on proposal blanks obtained at the office of the architect and to be signed by the bidder, accompanied by a certified check for at least ten per cent (10 per cent) of the amount of the bid or proposal, certified to by some responsible bank and made payable to Jos. J. Young, Clerk of the Board of Trustees of the Soquel Union Grammar School District, to be retained by said School District as liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into contract after the award, or to give bonds required for the faithful performance of the contract or any bond required by law.

The Board reserves the right to reject any and all bids.

JOS. J. YOUNG,
W. H. OLIVER,
G. A. MORGAN,
W. R. JONES,
E. R. RICE.

In New York state fire extinguishers must be carried as a part of the equipment on all omnibuses with a capacity of ten or more passengers.

The word gas is credited to the Flemish chemist Van Helmont, who lived from 1577 to 1644.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SACRAMENTO, Cal. — Supervisors, Harry H. Hall, County Clerk, reject bids submitted for constructing Deer Creek bridge on Wilson road near Zaner Ranch and bids ordered re-advertised, to be opened Oct. 26. Certified check 10% payable to Chairman Board of Supervisors required with each bid. Drury Butler, County Engineer.

SAN DIEGO, Cal. — San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, awarded contract for dredging about 1,000,000 cu. yds. to widen and deepen channel at fleet repair base at San Diego. Ross Constr. Co., Forum Bldg., Sacramento, was awarded contract for extension of sea wall about 1100 ft.

STOCKTON, San Joaquin Co., Cal.—Until Oct. 31, 10 a. m., bids will be received by Eugene D. Graham, County Clerk, for removing present floor and placing new floor in McMullen Lake bridge in Castoria Road Dist. Cert. check 10% payable to Chair. Bd. of Sups. required with each bid. F. E. Quail County Engineer.

MARYSVILLE, Yuba Co., Cal.—In the event that the State Highway Commission locates the Ukiah-Tahoe highway on the north side of the Yuba River, the Yuba County Supervisors will construct a reinforced concrete bridge over Dry Creek near Brown's Valley and widen the Parks Bar bridge over the Yuba River and pave the floor of that structure. Leslie B. Crook, County Surveyor.

MADERA, Madera Co., Cal.—Supervisors reject bids to construct bridge over Ash Slough and order bids re-advertised, to be opened Nov. 7th. J. O. Rue, County Surveyor.

FRESNO, Fresno Co., Cal.—C. C. Gildersleeve awarded contract by Supervisor to construct bridge in Rose Ave. Chris. P. Jensen, County Surveyor.

FRESNO, Fresno Co., Cal.—Supervisors reject bids for repair of Firebaugh bridge, the lowest being 25% in excess of County Surveyor Chris. P. Jensen's estimate. Temporary repairs will be made by the county.

OAKLAND, Cal.—County Clerk Geo. E. Gross instructed to call bids for driving center piling for Bay Farm Island bridge; estimated cost $3900. P. A. Haviland, County Surveyor.

MODESTO, Stanislaus Co., Cal.—Contracts for thirteen reinf. concr. bridges awarded by Supervisors, as follows:

Three bridges: Over branch of Dry Creek on La Grange-Coopertown road, 2 miles northeast from La Grange; over branch of Dry Creek on Warnerville-Roberts Ferry road, ⅜ mile south of Warnerville, and over gulch on River road 0.3 miles west of Oakdale-Thalheim road, awarded to Davidson & Nicols, San Francisco, $4,647.

Three bridges: Over Turlock main canal on Keyes-Montpellier road; over T. I. D. lateral 3½ miles north of Denair; over T.I.D. lateral No. 1, or 1 mi. north of Ceres, awarded to J. L. Webster, Chico, $4,985.

Two bridges: Over M. I. D. lateral No. 7, on Dale road, over M. I. D. lateral No. 6 on Toomes road, awarded to Frank Bryant, 286 W. San Carlos St., San Francisco, at $3,323.

Five bridges: Over M. I. D. lateral No. 3, on Oakdale road; over M. I. D. lateral No. 6, on Oakdale road; over M. I. D. lateral, main canal, on Oakdale road; over M. I. D. lateral No. 1, ⅛ mile north of Claus; over M. I. D. lateral No. 1 on Empire-Hugson road ¾ mile southeast of Empire, awarded to J. L. Webster, Chico, $10,704.

Webster, at $3,660, awarded contract for trestle over south end of Empire bridge. J. S. Hoskins, County Surveyor.

OROVILLE, Butte Co., Cal.—Until Nov. 14, 1:30 p. m., bids will be received by C. F. Belding, County Clerk, for constructing suspension bridge over north fork of Feather River near Pulga station on Western Pacific Railroad. Cert. check 10% required with each bid. Harry H. Hume, County Road Engineer.

WILLOWS, Glenn Co., Cal.—W. R. Zumwalt, Willows, at $1650, awarded contract by Supervisors to construct reinf. concr. (Rockville) bridge, about 6 mi. south of Elk Creek in Road Dist. No. 4. F. H. Neilson, Orland, $1680, only other bidder. Bayard Knock, County Surveyor.

PHOENIX, Ariz.—It is expected bids will be called for soon for construction of an earth fill dam with concr. core for flood control on Cave Creek, 24 mi. north of Phoenix. Est. cost, $350,000.

RED BLUFF, Tehama Co., Cal.—C. E. McCartney, Red Bluff, at $2,590, awarded contract by Supervisors for constructing north and south bridges on Lassen road, 9 mi. southeast of Vina.

Contract for dirt fill for Elder Creek bridge at Gerber awarded to Sam Conrad at 32½c cu. yd. W. F. Lunning, County Surveyor.

LOS ANGELES, Cal.—Ross Constr. Co., Ochsner Bldg., Sacramento, submitted lowest bid to County Supervisors at $42,750 for improvement of flood channel of Rio Hondo from S. P. Station at Vinevale to Los Angeles River, about 9000 ft., involving about 190,000 cu. yds. earth work for which his unit price was 22½c. Other bids were: P. B. Engh, $43,700, 23c yd.; Geo. Pollock, $43,700, 23c yd.; D. McDonald, $45,600, 24c yd.; E. Schelling, $47,025, 24¾c yd.; C. Miles, $49,400, 26c yd.; C. F. Thompson, $51,300, 27c yd.; E. R. Adams, $56,620, 29.8c yd.

EUREKA, Humboldt Co., Cal.—Supervisors reject bid of S. C. King at $3865 to construct Carter Creek culvert. A. J. Logan, County Surveyor.

Oakland, Cal.—Until Oct. 31, 10 a. m., bids will be received by Geo. E. Gross, County Clerk, for replacement of piles, caps and bracing in center pier of Bay Farm Island bridge. Cert. check 10% payable to clerk required with each bid. George Posey is Acting County Surveyor.

Engineers and Contractors
PLEASE NOTE

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IRRIGATION PROJECTS

WILLOWS, Glenn Co., Cal.—Glenn-Colusa Irrigation Dist. adopts resolutions directing Fred H. Tibbitts, engineer, Alaska Commercial Bldg., San Francisco, to commence the survey and preparation of plans for a drainage system. The district comprises about 100,000 acres of land on the west side of the Sacramento River in Glenn and Colusa Counties.

MODESTO, Stanislaus Co., Cal.—Until Nov. 7, 10 a. m., bids will be received by C. S. Abbott, secretary, Modesto Irrigation District, 823 Eleventh St., for constructing 16-in. concrete pipe drain, an extension to South Branch of Davis-O'Connor drain, approx. 12,000 lin. ft. in length. Cert. check 10% payable to President of Board of Directors of District required with each bid. Spec. on file in office of secretary. Percy Jones, Chief Engineer.

LIGHTING SYSTEMS

MERCED, Merced Co., Cal.—Until Nov. 7, 8 p. m., bids will be received by W. W. Cornell, City Clerk, for installation of street lighting system (460 Marbelite standards) in portions of G. H, I, J, K, L, M, N, O, P, Q, R, 16th, 17th, 18th, 19th, 20th, 21st, 23rd and 24th Sts. Estimated cost, $300,000. Work under Imp. Act 1911. Cert check 10% payable to city required with each bid. Plans on file in office of clerk. C. D. Martin, Cnty Engineer.

MACHINERY

MADERA, Madera Co., Cal.—Supervisors authorize purchase of Universal road machine (grader) to cost not less than $500 and not more than $1200, for use in Road Dist. No. 2. Purchase of a Best tracklayer for $3200 for use in Road Dist. No. 3 also authorized. J. O. Rue, County Surveyor.

TAFT, Kern Co., Cal.—Until 7:30 p. m., Oct. 24, bids will be received by City Clerk C. Z. Irvine for fur. f. o. b. Taft, 4-in. and 6-in. cast iron or standard screw pipe in accordance with

spec. on file in office of City Clerk. Alternate bids will be taken for pipe to withstand working pressure of 200 lbs. to sq. in., bidder to furnish spec. Cert check for 5%. E. M. Lynch, Central Bldg., Los Angeles, Engineer.

TURLOCK, Stanislaus Co., Cal.—Until Nov. 1, 2 p. m., bids will be received by Anna Sorenson, Secretary of the Turlock Irrigation District for fur. and install. hydraulic and electric machinery for the first three units of the hydro-electric plant at the Don Pedro dam, each unit consisting of 5000 K. V. A. generator driven by a direct connected water wheel, together with the necessary exciters, governors, switchboards, switches, transformers, traveling crane, penstocks, etc. Bids will be considered on all or any part of the equipment. Cert. check 10% payable to treasurer of district required with each bid. Plans may be had from secretary on deposit of $15, returnable. Material will be purchased by Modesto and Turlock Irrigation Districts, acting jointly. R. V. Meikle, chief engineer for Turlock, and Percy Jones, chief engineer for Modesto Irrigation District.

CASPER, Wyo.—The Ohio Oil Co. announces a 10-in. gas pipe line to cost $1,000,000 will be constructed from the Elk Basin field in northern Wyoming to Billings, Montana. A 15-mile 6-in. line will also be built from Byron field to Powell.

ONTARIO, San Bernardino Co., Cal.—Until 7:30 p. m., Oct. 17, bids will be received by City Trustees for 1 reversible road grader with 6-ft. blade equipped with 4-horse evener and one set doubletrees., spec. to be submitted with bid. D. B. Wynne, City Clerk.

LOS ANGELES, Cal.—Until 3 p. m., Oct. 21, bids will be received by Board of Public Service, 207 South Broadway, for standard dipped bell and spigot castiron pipe, 12 ft. lengths, as follows: 5000 pieces 4-in., Class B, 650 tons; 2750 pieces 6-in., Class B, 550 tons; 400 pieces 10-in., Class B, 153 tons; 400 pieces 6-in. Class C, 86 tons. Delivery f. o. b. Los Angeles. Spec. 585-B. Jas. P. Vroman, Secretary.

EUREKA, Humboldt Co., Cal.—Bids for a portion or all of the rock quarry equipment owned by the City of Eureka will be received on Oct. 17 by Walter Kildale, City Clerk. Material for sale listed in City Clerk's office.

GLENDALE, Los Angeles Co., Cal.—Until 8 p. m., Oct. 20, bids will be received by City Clerk J. W. Blake for the following: 150 tons 4-in., 106 tons 6-in., 393 tons 8-in., 43 tons 10-in. and 97 tons 12-in. Class B cast iron pipe; 121 tons 8-in. Class C pipe and 30 tons Class D fittings. Cert check for 10%.

PHOENIX, Ariz.—Until 10 a. m., Oct. 19, bids will be received by City Mgr. V. A. Thompson for 150 ⅛ bends and 50 1/16 bends 6-in. sewer pipe and balance of carload 6-in. standard vit. sewer pipe.

LOS ANGELES, Cal.—The following bids were received by Board of Public Works for fur. and installing a 5-ton electric traveling crane and runways at the garbage loading stations: Baker Iron Works, traveling crane, $6780; runway 128 ft. long, $1720. Fulton Engine Works, crane completely installed $18,200.

SAN FRANCISCO.—Time for opening bids for fur. and del. street signs has been extended by Board of Public Works to Nov. 2, 3 p. m. Spec. may be had from City Engineer's office, third floor, City Hall.

LODI, San Joaquin Co., Cal.—Until Oct. 17, 8 p. m., bids will be received by J. F. Blakely, City Clerk, for fur. f. o. b. Lodi 9,000 ft. of ¾-in. stand. galv. wrought iron pipe. L. F. Barzellotti, City Engineer.

RAILROADS

EL CENTRO, Cal.—The San Diego & Arizona Ry. Co. has started construction of a branch line from Maria in Imperial County to a point 25 miles north to tap a gypsum deposit controlled by the Imperial Valley Gypsum & Oil Co., which has its main office in the Spreckels Bldg., San Diego.

FIRE EQUIPMENT

FRESNO, Fresno Co., Cal.—Everett S. Minard, 319 Abby St., awarded contract by Council to furnish 60 fire hydrants for installation in the downtown district.

PHOENIX, Ariz.—Until 3 p. m., Oct. 26, bids will be received by City Mgr. V. A. Thompson for fur. and installing a police signal system. Cert. check 10%.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

CALIFORNIA.—Following bids received by State Highway Commission on October 3:

San Bernardino County, between Summit and Victorville (VII-SBD-31-C), 15.7 miles, to be paved, either with cem. concr. or bituminized macad.—62,000 cu. yds. excavation without classification; 55 cu. yds. Class "A" concrete (culverts and monuments); 110 cu. yds. Class "A" concrete (fords); 628 ft. 18 in., 244 ft. 24 in., and 124 ft. 30 in. met. pipe; 1,768 ft. guard rail; 192 each, hauling and setting monuments. Alternate Items—20,100 cu. yds. Class "A" cement concrete (pavements); 50,000 tons broken stone (pavement); 700 tons oil asphalt Grade "E" spread.

Kaiser Paving Co., Oakland (1) Concrete, $261,472; (2) Macadam, $——

R. T. Shea, Riverside (1) $——; (2) $226,219.

Mercer-Fraser Co., Eureka (1) $326,242.60; (2) $——.

Lynn S. Atkinson (1) $333,644; (2) $342,894.

Lee Moore Contracting Co., El Paso (1) $264,802; (2) $352,127.

McPeak-Burton & Bruckman, Los Angeles (1) $——; (2) $527,801.

J. C. Beckjorg, Los Angeles (1) $358,158 (2) $306,798.

Geo. R. Curtis, Los Angeles (1) $386,609; (2) $277,509.

Herbert Francisco, Los Angeles (1) $264,509.50; (2) $262,629.50.

Engineer's estimate, Concrete, $257,217.51; Macadam, $233,355.01.

Stanislaus Co., between Tuolumne River bridge and 1.2 mile north of Ceres (III-Sta-4-B), 1.9 mile to be surfaced with asphalt concrete—2,100 tons asphalt concrete surface.

Standard Paving Co., Modesto..$14,154

Engineer's estimate, $16,905.

Kern County, between south line Sec. 19, T. 11 N., R. 20 W., S. B. B. & M., and 13.0 miles south of Bakersfield (VI-Ker-4-B), 10.0 miles to be surfaced with asphalt concrete—10,680 tons asphalt concrete surface.

Southwest Paving Co., L. A...$47,953.20

California Constr. Co., S. F.... 53,652.80

Warren Constr. Co., Portland 61,944.00

A. Teichert & Son, Sacto..... 65,041.20

Federal Constr. Co..... 85,333.20

Clark & Henery, Stockton..... 85,333.20

Engineer's estimate, $55,269.

San Luis Obispo County between 6 miles north of San Simeon and north boundary (V SLO-56-A), 10.0 miles to be graded—169,500 cu. yds. excavation without classification; 1,750 cu. yds. Class "A" Portland cement concrete (culverts and mounments); 1,000 cu. yds. dry rubble (retaining walls); 1,310 ft. 12-in., 1,212 ft. 18-in., 512 ft. 24-in., 150 ft. 30-in., and 186 ft. 36-in. met. pipe; 5,000 ft. guard rail; 3,000 cu. yds. riprap slope pavement; 360 each, monuments.

Blake & Heaney, Oakland..$161,712.00

Chadwick & Sykes, S. F..... 185,679.50

Welsh & Costello, S. F..... 186,810.00

Erickson & Peterson..... 188,831.50

F. L. Burr, S. F..... 202,210.00

Palmer & McBryde, S. F.... 204,657.00

Frank C. McIntyre, Stockton 225,243.50

Maurice Ryan & Son, L. A... 210,852.50

W. N. Ledbetter, L. A..... 232,517.50

R. McLeran & Co., S. F..... 237,548.00

Marsh Bros. & Eargemier, S. F. 246,610.00

Shattuck Constr. Co., L. A. & S. F.

Shattuck Constr. Co., Los Angeles & San Francisco 257,025.00

Northern Cal. Constr. Co., Alturas 259,529.00

W. A. Dontanville, Hollister 276,743.50

Pacific Constr. Co., S. F..... 277,326.00

Engineer's estimate, $222,062.13.

RICHMOND, Contra Costa Co., Cal.—H. D. Chapman, City Engineer, completes specifications for improving Bay View Ave. Council petitioned to improve 41st St. from Florida to Ohio Sts.

YUBA CITY, Sutter Co., Cal.—Supervisors order bids received up to Nov. 8 for work on Knights Landing-Kirksville road from Knights Landing to Maddock, about 4½ miles. Edward von Geldern, County Engineer.

RED BLUFF, Tehama Co., Cal.—City Engineer W. F. Lunning in a report to the City Trustees estimates the paving of portions of Main, Walnut and Oak streets at $45,655. No action taken.

STOCKTON, San Joaquin Co., Cal.—County Engineer F. E. Quail instructed to prepare specifications for paving two miles of highway in Tulare district, near Garden school on Roberts Island.

County Engineer Quail also authorized to spend $1,000 to gravel Clayton Ave., in the McKinley tract.

HUNTINGTON PARK, Cal.—Geo. R. Curtis, 2440 E. 26th St., Los Angeles, awarded contract for grading and paving with asph. concr. and constructing concr. gutter on Passaic St., Clarendon Ave. and Gentry St., about 3½ blocks in all, at 15.8c sq. ft. for paving, including grading, and 30c sq. ft. for gutter on all streets. Los Angeles Paving Co. submitted the only other bid at 15c sq. ft. for paving and 27c sq. ft. for gutter on all streets and $1 lin. ft. for grading on Passaic, 80c lin. ft. for grading of Clarendon and $1.20 for grading on Gentry St. Curtis' contract amounts to about $22,624.27, involving about 131,315 sq. ft. paving and 6255 sq. ft. gutter.

LOS ANGELES, Cal.—Until 11 a. m., Oct. 24, bids will be received by Supervisors of Los Angeles County for paving Alameda St. (Harbor Tract Blvd.) betw. Compton and Wilmington, 5.77 miles, in Road Dist. No. 4. The contract involves 39,400 cu. yds. excav.; 30,328 lin. ft. shaping roadbed; placing 42,000 tons disint. gran. base, 7 in. thick; 520 ft. 18-in., 60 ft. 24 in. and 50 ft. 30-in. corru. iron; 144 ft. 18-in., 380 ft. 24-in. and 70 ft. 30-in. reinf. concr. pipe; 3385 ft. guard fence; 4350 lin. ft. wood piling; 962 cu. yds. concr. in bridges, 78 cu. yds. concr. in culverts and headwalls, 36,000 lbs. reinf. steel, 597 lbs. steel plates and 61 lbs. bolts;

1420 bbls. cem., 700 tons sand, 1270 tons gravel. County will furnish disint. gran. and cem. Average haul for gran., .67 mi. from nearest siding S. P. Ry. and for other materials .33 mi. from nearest siding same road. This is a cash job. Cert. check or bond for 10%.

EL CENTRO, Imperial Co., Cal.—Until 2 P. M., October 17, bids will be received by Supervisors of Imperial County for paving unpaved portions of Brawley-Calipatria highway, involving 100 cu. yds. excavation and embankment, 616,945 sq. ft. cement concrete pavement, including preparation of sub-grade and shoulders, placing reinforcement in 72,000 sq. ft. pavement. An alternate bids will be taken for Willite pavement. Certified check for 10%. Plans and specifications may be examined and blank forms may be obtained at the office of the County Clerk. E. P. Watson Jr., Chief Highwty Engineer.

LODI, San Joaquin Co., Cal.—Clark & Henery Construction Co., 38 S-Sutter St., Stockton, at $.02 sq. ft. grading, $.18½ sq. ft. paving have been awarded a contract by the Trustees to improve Lockeford St. from Church to School; School to Sacramento and Sacramento to a point 125 ft. easterly by grading, constructing hydraulic concrete curbs and gutters, paving with 1½-in. asphaltic concrete wearing surface with 2½-in. asphaltic concrete base. L. F. Bazelotti, City Engineer.

LONG BEACH, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Railway Bldg., Los Angeles, submitted lowest bid at $61,230.69 for paving Chestnut Ave. between Fourth St. and Loma Vista Dr. with cement concrete base and asphaltic wearing surface and constructing cement curb, sidewalk, gutter and corrugated iron culverts. Geo. R. Curtis of Los Angeles bid $64,-835.98. Fairchild-Gilmore-Wilton Co. also submitted lowest bid at $20,898.58 for paving St. Louis Ave. between Fourth and Tenth Sts. with cement concrete base and asphaltic surface and constructing cement curb, gutter, and corrugated iron anu concrete culverts. Geo. R. Curtis bid $21,050.17.

VISALIA, Tulare Co., Cal.—Michael Murphy, 1321 Milvia St., Berkeley, at $29,750.90 has been awarded a contract by the Trustees for additions to sewer system involving, main line: 5570 ft. of 24-in. pipe, 17 manholes, 1 special manhole. Intercepting line: 3100 ft. of 12 in. pipe, 11 manholes along 12-in. section, 1950 ft. of 10-in. pipe, including 54 4-in. wye branches, and 6 manholes along 10-in. section. L. H. Gadsby, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Greenfield Bros., Santa Cruz, at $35,253 awarded contract by Council to improve portions of Cayuga St., Soquel Ave., Pine St., etc., involving 108,022.56 sq. ft. grading; 107,822.82 sq. ft. 5-in. concrete pavement; 179.14 sq. ft. concrete sidewalks (including 76.54 lin. ft. concrete curb), 41.20 lin. ft. concrete curbs for present sidewalks; 1,-694.35 lin. ft. 14-in. concrete pipe; 1,754.63 lin. ft. 12-in. concrete pipe; 223.90 lin. ft. 10-in. concrete pipe; 5 concrete catchbasins; 15 combination catchbasins and manholes; 104 lin. ft. corrugated iron culverts; 1380 lin. ft. 4-in. vitrified pipe sewer; 46 handhole traps, etc. Other bidders were: W. E. Miller, $36,787.05; Granite Rock Co., $42,407.61. James K. James, City Engineer.

REDWOOD CITY, San Mateo Co., Cal.—Until Nov. 7, bids will be received by Elizabeth M. Nash, County Clerk, for opening up Colma creek to carry off storm waters flooding the highways. Geo. Kneese, County Engineer.

BERKELEY, Alameda Co., Cal.—Council considering improvement of Telegraph Ave. from Sather Gate to Oakland line. Work will probably be done by Street Department. C. L. Huggins, City Engineer.

BAKERSFIELD, Kern Co., Cal.—City Council rejects bid of Bakersfield Engineering Co. for improving Street Dist. 76, the lowest bid submitted at $53,255.37. Willite specifications. Other bidders were: Braun, Bryant & Austin, $95,957.85; George H. Oswald, $95,-342.58, and E. P. Gavin, $86,410.20. R. H. Hubbard, City Engineer.

CALIFORNIA.—State Highway Commission awards contracts as follows:

To R. T. Shea, Riverside, bid $226,219—San Bernardino County, bet. Summit and Victorville (VII-SBD-31-C), 15.7 miles, to be paved with bituminized macadam; 62,000 cu. yds. excav. without classification; 55 cu. yds. Class "A" concrete (culverts and monuments); 110 cu. yds. Class "A" concrete (fords); 628 ft. 18-in., 244 ft. 24-in., and 124 ft. 30-in. met. pipe; 1,768 ft. guard rail; 192 each, hauling and setting monuments.

To Blake & Heaney, Oakland; bid $161,712—San Luis Obispo County between 6 miles north of San Simeon and north boundary (V SLO-56-A), 10.0 miles to be graded—169,500 cu. yds. excavation without classification; 1,-750 cu. yds. Class "A" Portland cement concrete (culverts and monuments); 1,000 cu. yds. dry rubble (retaining walls); 1,310 ft. 12-in., 1,212 ft. 18-in., 512 ft. 24-in., 150 ft. 30-in., and 186 ft. 36-in. met. pipe; 5,000 ft. guard rail; 3,000 cu. yds. riprap slope pavement; 360 each. monuments.

To Standard Paving Co., Modesto; bid $14,154—Stanislaus Co., between Tuolumne River bridge and 1.2 miles north of Ceres (III-Sta-4-B), 1.9 miles; 2,100 tons asphalt concrete surface.

To Southwest Paving Co., Los Angeles; bid $47,953.20—Kern County bet. south line Sec. 19, T. 11 N., R. 20 W., S. B. B. & M., and 13.0 miles south of Bakersfield (VI-Ker-4-B), 10.0 miles; 10,680 tons asphalt concrete surface.

TURLOCK, Stanislaus Co., Cal.—J. A. Costello, Mills Bldg., San Francisco, at $33,846 has been awarded a contract by Trustees for improving portions of Myrtle, Merritt and Sycamore streets, by grading, constructing concrete curbs and gutters and paving with an asphaltic concrete base 2½ in. thick with a Warrenite surface 1½ in. thick; at $24,599 for improving portions of East Olive street by grading, paving with asphaltic concrete 3 in. thick with Warrenite surface 1½-in. thick, cement concrete gutters, corrugated iron culverts, etc.; at $17,476 for improving Florence street from pavement in place in North Broadway to Grant avenue, by grading, paving with 3-in. asphaltic concrete base with 1½-in. Warrenite surface, cement concrete curbs and gutters; at $2,873 for improving Lander avenue from Angelus street to south city limits by removing asphalt covering and replacing same with a Warrenite surface 1½-in. thick; at $1,-733.69 for improving portions of North and South First streets by removing existing curbs, etc., grading and paving with concrete 6-in. thick. Horace Hill, City Engineer.

REDWOOD CITY, San Mateo Co., Cal.—Until Oct. 24, 7:30 p. m., bids will be received by W. A. Price, Town Clerk, for improving Finger Ave., involving 2058 cu. yds. of excavation; 2030 lin. ft. of cement concrete curb; 640 lin. ft. of 6-in. vit. tile pipe sewer; 308 lin. ft. of 4-in. vit. tile pipe sewer laterals; 11 6-in. by 4-in. wyes; 3 brick manholes with cast iron frames and covers; 1 lamphole, with cast iron cover; 48,055 square ft. of asph. macadam pavement.

Separate bids same date for improving certain streets in Redwood Highlands. Work consists of preparing existing macadam pavement for construction thereon of asph. oil wearing surface, and construction of said wearing surface; also includes one culvert of corru. galv. iron arches 4 in. by 24 in. with concr. base and top. Approx. 721,000 sq. ft. of pavement. Cert. check 10% payable to town required with each bid. C. L. Dimmitt, City Engineer.

YREKA, Siskiyou Co., Cal.—No bids received by Supervisors for constructing macadam road bet. Grenada and Big Springs, and County Engineer H. J. Sarter instructed to perform work by day labor.

OROVILLE, Butte Co., Cal.—Until Oct. 21, 2:15 p. m., bids will be received by C. F. Belding, County Clerk, for paving that part of the Oroville and Pentz bonded road from Oroville bridge west one mile. Cert. check 10% required with each bid. H. H. Hume, County Road Engineer.

LONG BEACH, Cal.—Res. of int. for the following work have been adopted by City Council: Walks and curbs on Roswell Ave. bet. Broadway and Fourth; Mira Mar Ave. bet. Eliot and Colorado; 21st St. bet. Atlantic and California; Newport Ave. bet. Anaheim and 14th; Massachusetts bet. Roswell and Ximeno; Myrtle Ave. bet. State and 19th; Freeman bet. 10th and Anaheim; Newport Ave. bet. 10th and 11th.

YUMA, Ariz.—E. L. Plantico, 4120 Central Ave., Los Angeles, was awarded the contract at $119,319.50 for constructing a vit. pipe sewer system in Sanitary Sewer Dist. No. 3, Yuma, involving 2835 ft. 20-in. pipe at $4.90 ft.; 760 ft. 18-in. pipe at $3.45 ft.; 740 ft. 16-in. pipe at $3 ft.; 400 ft. 12-in. pipe at $2.20 ft.; 6875 ft. 10-in. pipe at $1.95 ft.; 11,860 ft. 8-in. pipe at $1.75 ft.; 11,-646 ft. 6-in. pipe at $1.34 ft.; 30,475 ft. 4-in. pipe at $1.11 ft.; pump house compl., $4000; concr. outfall, $400; 13 flush tanks at $200 each; 53 manholes at $160 each. Tropico Potteries, Inc., Glendale, will furnish the pipe. This job has been let twice previously, but contracts were not signed because of technical errors in proceedings under Arizona state improvement laws.

HANFORD, Kings Co., Cal.—Until Oct. 20, 2 p. m., bids will be received by J. A. Crawshaw, clerk, Hanford Grammar School Dist., for constructing cement sidewalks on south and west sides of lots Nos. 1 to 4, inclu., in block D, Noel's Add. Spec. on file in office of City Clerk at Hanford.

LONG BEACH, Cal.—Fairchild-Gilmore-Wilton Co., L. A. Ry. Bldg., Los Angeles, was awarded contract at $61,-230.69 for paving Chestnut Ave. bet. Fourth St. and Loma Vista Dr. with cem. concr. base and asph. wearing surface and constructing cem. curb, sidewalk, gutter and corru. iron culverts. Geo. R. Curtis of Los Angeles bid $64,835.98. Fairchild-Gilmore-Wilton Co. was awarded contract at $20,-898.58 for paving St. Louis Ave. bet. Fourth and 10th Sts. with cem. concr. base and asph. surface and constructing cem. curb, gutter and corru. iron and concr. culverts. Geo. R. Curtis bid $21,050.17.

SAN DIEGO, Cal. — Warren Bros. submitted low bid at $123,910.36 for paving Chattsworth Blvd., Lytton St. and other streets at Point Loma, in-

lving 14,440 cu. yds. excav. at 94.6c ; 14,002 cu. yds. embank. at 44c yd.; 8,229 sq. ft. bitulithic paving at 25.5c ; 1994 ft. curb at $1.13 ft.; 3528 sq. ft ed gutters at 5c ft.; 290 ft. guard nce at $1.25 ft.; culverts and catch-sins complete, $2532. Geo. R. Daley, 0 McNeece Bldg., submitted the only her bid at $124,819.71 for cem. concr. se with asph. top, his unit prices be-g 81c for excav., 12c embank., 27 ft. ving, 80c curb, 7c gutters, $1.40 ard rail and $3035 culverts.

HAMILTON CITY, Glenn Co., Cal.—S. Lewis, Colusa, at $6192 awarded ntract by Hamilton Boulevard Com-ssion to construct reinf. concr. paved adway over a portion of Stony Creek ar St. John. K. B. Ferguson, Engi-er, Colusa.

OAKLAND, Cal.—Dr. R. G. Brodrick, rector of the County Hospital, urges pervisors to repair roads in the cinity of the dairy farm at the hos-al. P. A. Haviland, County Sur-yor.

FRESNO, Fresno Co., Cal.—Council titioned to pave with concrete the ley in block 339. Petitions were anted by the Council seeking the ving of Linden Ave. from Olive to oradora and Carmen from Wishon Lucerne. Wm. Stranahan, City mmissioner of Public Works.

HAYWARD, Alameda Co., Cal.—wn Engineer J. B. Holly instructed prepare plans for improving Alert c.

SOUTH SAN FRANCISCO, San Ma-o Co., Cal.—Hickey & Harmon, 1230 een St., San Francisco, at $5733 arded contract by Trustees to con-uct concrete storm sewer under ssing of S. P. tracks near Fontana od Products site.

SANGER, Fresno Co., Cal.—Petition esented to City Trustees seeking im-ovement of several streets. A per-nent pavement is asked.

LONG BEACH, Cal.—Resolutions of tention to pave the following streets ve been adopted by City Council: th St. bet. Daisy and American; rs Ct. bet. 10th and 11th; first alley each of American south of State; alley in block bounded by Pine and Locust and Anaheim and 14th; alleys in block bounded by Fourth and Fifth and Bonito and Cerritos; Minerva Ct. bet. 10th and Anaheim; also Solano Ct. and Royal Way.

OROVILLE, Butte Co., Cal.—Until Oct. 21, 1:45 p. m., bids will be received by C. F. Belding, County Clerk, for maintenance of Lone Tree road from Power House Hill south to Central House Cross Road, approx. 8 miles, for fiscal year ending June 30, 1922. H. H. Hume, County Road Engineer.

LOS ANGELES, Cal.—Engineer E. L. Mayberry, 472 Pac. Elec. Bldg., is taking bids for constructing a 750,000-gal. reservoir, pump house and settling basin at the golf course on Pico Blvd. south of the Speedway for the Ambassador Hotel System. The reservoir will be 85 ft. in diameter and 17.5 ft. deep; reinf. concr. construction, wood and comp. rf. The pump house will be 10x12 ft., reinf. concr. construction, with settling basin on the roof.

STOCKTON, San Joaquin Co., Cal.—City Council will file applications with State Railroad Commission to construct subways under tracks of S. P. and W. P. at Fremont, Market and South Sts. City Engineer W. B. Hogan has been directed to prepare plans and estimated cost of the work.

STOCKTON, San Joaquin Co., Cal.—Until Nov. 8, 10 a. m., bids will be received by Eugene D. Graham, County Clerk, for improving portions of Fine road, Miller and Waterloo-Linden road in Linden road district, a distance of approximately 5,946 miles. Cert. check 10% payable to Chair. Bd. of Sups. required with each bid. Plans on file in office of clerk. F. E. Quail, County Engineer.

FULLERTON, Cal.—M. & F. Pipe Line Contracting Co., 534 Douglas Bldg., Los Angeles, was lowest bidder at $38,725.50 for trenching and laying pipe, and San Francisco Steel Products Co., San Francisco, was the lowest bidder at $108,520.51 for furnishing pipe for the extensions to the Fullerton water system. J. B. Lippincott, Central Bldg., Los Angeles, consulting engineer. The bids received were as follows:

Trenching—M. & F. Pipe Line Contracting Co., $38,725.50; W. E. Hall, $41,420; R. T. Shea & Co., $41,651.10; M. Murphy, $43,972.80; R. F. Ware, $54,035.10; Thos. Haverty Co., $67,185.15; Foundation Co., $91,029.65.

Furnishing Pipe—San Francisco Steel Products Co., $108,520.51; U. S. Cast Iron Pipe Co., $115,285.38; Foundation Co., $115,915.27; American Cast Iron Pipe Co., $119,327.61; Pacific Pipe & Supply Co., $120,516.50; and R. D. Wood & Co., $129,433.26.

TRACY, San Joaquin Co., Cal.—City Engineer Harrington ordered to prepare specifications for paving 11th St. Spec. will provide for a 6-in. reinf. concr. pavement for a distance of 6600 ft. The Trustees also plan to place a 4-in. reinf. concr. pavement in 4th and 6th Sts.

MODESTO, Stanislaus Co., Cal.—City Council orders paving of alley bet. 15th and 16th, I and J Sts. and bet. G and H Sts.; sidewalks in both sides of Stanislaus Ave. bet. Jefferson and Franklin and paving 11th St. from B to F St. An extension of the storm sewer to the Borden plant was also ordered. Geo. Freitas, City Engineer.

OROVILLE, Butte Co., Cal.—Until Oct. 21, 2 p. m., bids will be received by C. F. Belding, County Clerk, for maintenance of the Lot, Esquon, Oak Lawn and Garden roads in the Durham State Land Colony for the fiscal year ending June 30, 1922. Harry H. Hume, County Road Engineer.

SEBASTOPOL, Sonoma Co., Cal.—City Engineer Mueller instructed to prepare specifications for paving Florence Ave. full width; North Main St., full width from Methodist Church to High School St.; Santa Rosa Ave., full width from railroad to city limits. It is expected to have the plans ready for adoption at the Oct. 14 meeting.

SACRAMENTO, Cal.—Until Oct. 20, 9 p. m., bids will be received by M. J. Desmond, City Clerk, for improving 5th St. from Q to S Sts. by constructing concr. curbs and gutters, cast iron gutter drains connected to sewer with 6-in. vit. pipe; grading and paving with

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MADERA, Madera Co., Cal.—Supervisors award contract to Piedra Rock Co. for fur. and del. 600 yds. 2-in. crushed rock at $2.49 sq. yd. and 600 yds. of 1½-in. crushed rock at $2.78 sq. yd. J. O. Rue, County Surveyor.

LONG BEACH, Cal.—Western Reinf. Concr. Pipe Co. was low bidder at $1.90 lin. ft. for furnishing 3300 ft. of 24-in. concr. water pipe. Bent Bros. bid $2.25.

FRESNO, Fresno Co., Cal.—Frederickson and Shannon, Cory Bldg., Fresno, awarded contract by Council for reconstructing 24-in. sewer in California Ave. bet. Tehama and Fruit Aves. Wm. Stranahan, City Commissioner of Public Works.

SANTA BARBARA, Cal. — Resolutions of intention to pave the following streets with 5-in. concr. base with 1½-in. asph. concr. surface have been introduced in Council: Haley and Cota Sts., est. cost $58,335; Alamar Ave., $12,666; Cottage Grove Ave., $4607; De la Vista, $4030.

FRESNO, Fresno Co., Cal.—Thompson Bros., 1514 H St., Fresno, awarded contract by Council to grade, oil and construct cement curbs and sidewalks in Poplar Ave. bet. McKinley and Home Aves. Wm. Stranahan, City Comm. of Pub. Works.

TAFT, Kern Co., Cal.—Until 7:30 p. m., Oct. 24, bids will be received by City Clerk C. Z. Irvine for laying sanitary sewers and constructing flush-tanks and manholes. City will furnish vit. pipe for sewers. Cert. check or bond for 10%. E. M. Lynch, Central Bldg., Los Angeles, City Engineer.

FRESNO, Fresno Co., Cal.—The Supervisors have instructed County Surveyor Chris. Jensen to prepare plans and spec. for improvement of Route 1, Sec. B, county highway.

EAST SAN DIEGO, Cal.—City Engineer E. Paul Ford has been authorized by City Trustees to prepare plans and spec. for paving Stockton Ave. If arrangements can be made with the County Supervisors about 20 blocks in Kensington Park will also be paved. The proposed paving will cost about $65,000. Bonds will be issued.

FRESNO, Fresno Co., Cal.—Council, R. Y. St. George, City Clerk, declares int. to construct art. stone sidewalks in Inez St. bet. Huntington Blvd. and Kern Ave. Imp. Act 1911. Wm. Stranahan, Commissioner of Public Works.

STOCKTON, San Joaquin Co., Cal.—Until Nov. 8, 10 a. m., bids will be received by Eugene D. Graham, County Clerk, for improving Lockeford-Elliott road in Elliott Road Dist., commencing at the improved road from Lockeford to Acampo north 3.82 miles, and for improving Kettleman Lane in Elkhorn Road Dist. from Cherokee Lane west 1.01 miles. Cert. check 10% payable to Chair. Bd. of Sups. required with each bid. F. E. Quail, County Engineer.

SACRAMENTO, Cal. City Commission, M. J. Desmond, clerk, declares intention to improve:

Franklin Blvd. from 1st to 2nd Ave., concr. curbs and gutters, placing 9 C. I. gutter drains connected to manholes with 6-in. vit. pipe; 8-in. and 10-in. vit. sewers, 4 concr. manholes, grading and paving with 5½-in. asph. concr.

Y St. from Sacramento Blvd. to 34th St., concr. curbs and gutters, 4 C. I. gutter drains connected to sewer with 6-in. vit. pipe; 1 concr. manhole; 8-in. vit. sewer, grading and paving with 5½-in. asph. concr.

35th St. from Y to 3rd Ave., concr. curbs and gutters, 4 C. I. gutter drains connected to sewer with 6-in. vit. pipe, paving with 5½-in. asph. concr. Imp. Act 1911. Albert Givan, City Engineer.

SUSANVILLE, Lassen Co., Cal.—Warren Construction Co., Rialto Bldg., San Francisco, at $116,844.88 awarded contract by Trustees to pave, etc., in Pine and Weatherlow Sts. C. C. Kennedy, 58 Sutter St., San Francisco, Engineer.

FRESNO, Fresno Co., Cal.—Frederickson & Shannon, Cory Bldg., Fresno, awarded contract by Supervisors to construct 1640 ft. of 36-in. concr. pipe in Rose Ave., near Selma. Chris. P. Jensen, County Surveyor.

OAKLAND, Cal.—County Surveyor P. A. Haviland instructed to prepare plans for improving county roads from Hayward to Mt. Eden and from East 14th St. to San Lorenzo.

OAKLAND, Cal.—Until Oct. 27, 12 m., bids will be received by Eugene R. Sturgis, City Clerk, for improving 22nd St. bet. 25th and 27th Aves., grading, concr. curbs and gutters, sidewalks and paving with oil macadam. Imp. Act 1911. Geo. Mattis, City Engineer.

COLUSA, Colusa Co., Cal.—Trustees are contemplating construction of new outlet for sewer system. It is proposed to construct 18-in. reinf. concr. pipe sewer; estimated cost, $15,000.

LODI, San Joaquin Co., Cal.—Clark & Henery Construction Co., 38 So. Sutter St., Stockton, awarded contract by S. P. Co. to pave bet. and 2 ft. outside of rails with approx. 10,000 sq. ft. 3½-in asphalt base with 1½-in. asph. concr. wearing surface.

SAN LUIS OBISPO, Cal.—Until Nov. 7, 2 p. m., bids will be received by F. J. Rodrigues, County Clerk, for constructing Pozo-San Juan grade. Cert. check 5% payable to Chair. Bd. of Sups. required with each bid. Plans may be had from Warren Burch, County Engineer.

SALINAS, Monterey Co., Cal.—Until Nov. 3, 8 p. m., bids will be received by Arthur Walter, secretary, Board of Education, for constructing cement sidewalks in Alisal St. and for sidewalks and curbs in Lincoln Ave. Spec. may be had from Donald Davies, City Engineer.

OAKLAND, Cal.—Hutchinson Co., 444 17th St., Oakland, awarded contract by Council to improve Orion St. bet. 62nd and 64th Aves.: Grading, $.05 sq. ft.; concr. curb, $.75 lin. ft.; concr. gutter, $.26 sq. ft.; oil macadam pave., $.137 sq. ft.; cement sidewalk, $.175 sq. ft. Geo. Mattis, City Engineer.

SAN FRANCISCO.—Board of Public Works petitioned to pave Eighth St. bet. Howard and Bryant Sts. M. M. O'Shaughnessy, City Engineer.

CORCORAN, Kings Co., Cal.—L. F. Rhodes, Corcoran, at $1,889.89, only bidder, awarded contract by Corcoran Irrigation District for 5730 sq. ft. of concr. paving; 315 lin. ft. 10-in. and 40 lin. ft. 30-in. concr. irrigation pipe, 8 10-in. outlets and 535 lin. ft. of 3-in. concr. wheel guard. D. I. Brown, Secretary of District.

MODESTO, Stanislaus Co., Cal.—City Council, L. A. Love, clerk, declares intention to improve:

Alley bet. 15th, 16th, G and H Sts.: Grading; paving with 6-in. concr.; O. P. curbs.

Alley bet. 15th, 16th, I and J Sts.: Grading, paving with 6-in. concr.; O. P. curbs.

Both sides of Stanislaus Ave. bet. Jefferson and Franklin: Cement concrete sidewalks. Imp. Act 1911. Geo. Freitas, City Engineer.

LOS ANGELES, Cal.—Geo. R. Curtis, 2440 E. 26th St., was awarded contract by Board of Public Works, at $9765.08, for imrpoving Seventh St. bet. Wilton Pl. and Norton Ave., involving 37,558 sq. ft. grading at 3c ft. and 37,558 sq. ft. 6-in. concr. pavement at 23c ft. Other bids were: A. D. Chalmers, $9765.08; Wm. Liddington, $9858.98; engineers' est., $10,478.68.

RICHMOND, Contra Costa Co., Cal.—F. W. Bilger, at $24,718, awarded contract by Council to improve 2nd St. from A., T. & S. F. right-of-way to Cutting Blvd. by grading, paving with 2-course asph. concr. 5 in. thick, constructing concr. curbs with galv steel curb bars, concr. gutters, sidewalks and driveways, open drains, wing walls and portals, corru. iron or steel culverts and vit. sewer pipe. H. D. Chapman, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—City Council planning improvement with concr. base and asph. covering in North Ninth St. from Santa Clara to Julian; North Twelfth from Taylor to Mission St.; North Tenth St. from Santa Clara to Julian St.; Julian St. from Eleventh to Twenty-first St. and one block on South Eleventh St. from San Salvador to William St. Wm. Popp, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—City Council planning immediate improvement of Errett Circle. James K. James, City Engineer.

VALLEJO, Solano Co., Cal.—A. E. Bodie, Vallejo, awarded contract by Council to improve Reo alley from Sonoma to Sutter Sts. by grading, constructing redwood curbs and paving with 5-in. concr. Also to improve alley in Blk. 445, from Sutter to Napa St., by grading, constructing redwood curbs and paving with concr. 16 ft. wide, 5 in. thick. Bid is approx. $8,500. T. D. Kilkenny, City Engineer.

LODI, San Joaquin Co., Cal.—City Trustees reject bids for furn. and laying sewer pipe. Bids were taken (1) for fur. and del. 800 ft. 16-in.; 900 ft. 18-in.; 440 ft. 20-in.; 500 ft. 22-in. and 8000 ft. 24-in. s.g.v. or cement sewer pipe; (2) for excavating and laying same; (3) for fur. pipe and installing same. W. J. Tobin, San Francisco, at $16,227, was low bidder for fur. and laying pipe, and Ed. Spiekerman, low bidder at $10,596 for pipe only. The pipe will be purchased in the open market and the city lay the sewer. L. F. Barzellotti, City Engineer.

RICHMOND, Contra Costa Co., Cal.—City Engineer H. D. Champan preparing spec. for oil macadam pavement in McBryde and Lincoln Aves. bet. 23rd and 29th Sts.

SANTA CRUZ, Santa Cruz Co., Cal.—Due to the fact that the Supreme Court declared the County Engineer Act invalid, bids for two highway units were returned unopened by the Supervisors. New bids will be asked under the old law, to be opened probably Oct. 26th. Lloyd Bowman, County Surveyor.

REDWOOD CITY, San Mateo Co., Cal.—W. F. Donnelly, San Francisco, at $2900, awarded contract by Supervisors to construct stone water sewer in San Bruno road near the Seven-Mile House. Geo. Kneese, County Engineer.

NAPA, Napa Co., Cal.—Council, H. H. Thompson, City Clerk, passes res. of int. to improve College St. bet. 1st and 2nd by grading, constructing concr. curbs and paving with 2-course asph. macadam 18 ft. wide. Imp Act 1911. H. A. Harrold, City Engineer.

Air-Way Electric Appliance Corporation, Toledo, Ohio, wishes to get in touch with dealers in electric washing and ironing machinery and vacuum cleaners.

SAN MATEO, San Mateo Co., Cal.—Excavation has been started by Jack Prince on the speedway at San Carlos, San Mateo County, for a company headed by Fred E. Beer of San Mateo. The structure will be of the saucer type, 1½ miles in length, having a grandstand with a seating capacity of 45,000. Others interested in the project are: Wm. J. Loring, president of the American Mining Congress and a director of the First National Bank of Sonora, and C. F. Morton, former resident of San Mateo. Prince, the contractor, maintains offices with F. Morton, 1001 Hobart Bldg., San Francisco.

The Obsever.

(Continued from Page 4)

Oakland Tribune says: Oakland is in the midst of a new construction boom. Buildings of concrete and steel are going up in the downtown district, and the streets of the residence sections are dotted with lumber, brick and cement. There are more dwellings now under way in the Eastbay cities than at any time since the depression of 1907.

W. P. Fuller & Co. announce a reduction of 8c per gal. in prices of linseed oil, effective Sept. 29, the new quotations being 92c per gal. for raw in barrels and $1.07 in cases and 94c per gal. for boiled in barrels, and $1.09 in cases. Prices of turpentine are unchanged.

The annual convention of the Southern California Retail Lumber Dealers' Association is set for Saturday, Nov. 12, at Alexandria hotel, Los Angeles.

The official advertisement for bids for paving the unpaved portions of the Brawley-Calipatria county road in Imperial County states that "bidders must satisfy themselves as to the accuracy of the plans, profiles, cross-section estimates, and all other matters which may influence the prices set forth in their proposals." Why ask the contractor to check the work of the engineer?

San Leandro, Alameda County issued building permits totaling $71,137 during September, of which $70,270 was for residence buildings.

Clyde L. Seavey, City Manager of Sacramento, proposes a bond issue to finance construction of a municipal auditorium. A majority of the City Commissioners favor such a structure. A building to cost $500,000 is contemplated.

Strong eastern and western interests have combined to establish a cement plant in or near Porterville, Tulare County, according to word received in that city. Chas. Sumner Woody of San Francisco is said to be interested in the project.

The Cleveland Metal Products Co. will shortly commence the erection of a plant in Richmond, Contra Costa County, to employ about 75 men.

Violation of the plumbers' license law in the City of Fresno is costly to both the owner and the person who attempts to do plumbing without a license. Dan Burkelo of Fresno was fined $25 in police court for working as a plumber without a city license. Moreover, the plumbing work which he did was condemned and must be done over again at a cost of $100 to the owner.

Thos. Dupes, Building Inspector of Bakersfield, report sthe issuance of 42 building permits during September, with an aggregate valuation of $72,395.

The California Wire Company is planning to establish a plant at Orange, Cal. Buildings costing approximately $200,000 are planned.

An important timber deal, involving large holdings in the vicinity of Campbell River, Vancouver Island, has just been consummated by which the controlling interest of the International Timber Company has reverted to David Jeremiason, secretary-treasurer of the Booth Logging Company, Ltd., Vancouver, and his partner, Andrew J. Anderson, president of the same company and secretary of the Lamb Lumber Company, Ltd. Mark D. Rector of Vancouver is manager of the International Company. Several large camps were operated by this company at Campbell River a few years ago. It is reported that the camps will resume logging operations in the near future and that a large, new sawmill at Campbell River may soon be erected.

Says the Alameda Times-Star: Alameda building material prices are reduced. Not only is the wholesale cut of 10 cents a yard on building rock been met by the prices to the retail trade, but the reduction was 15 cents instead of 10 cents on rock, sand and gravel. Cement went down 25 cents a barrel the first of the month. Lime and putty were reduced this week, lime being 60 cents per barrel lower than before and putty being 30 cents per barrel lower. These reduced prices are now in effect in Alameda and the new quotations are available to all contractors and for all construction jobs.

Emeryville, Alameda County, has been chosen by the Great Western Motor Company as the location for a new $125,000 factory.

Advance Construction Reports

Larsen Construction Reports, issued every business day of the year, furnishes information as to contemplated construction projects of all kinds, covering the State of California.

If you want to know when Architects and Engineers are preparing plans or taking figures for materials and for construction, we supply the information.

BUILDING REPORT SERVICE covers every class of building.

ENGINEERING REPORT SERVICE covers bridges, dams and harbor work; street, sewer and highway projects; irrigation works, machinery, fire equipment, etc.

Sample copies furnished on request. State character of construction in which you are interested.

Larsen Construction Reports

560 Mission Street San Francisco, Calif.

The Governor of Missouri has signed a bill passed by the Legislature for a state bond issue of $60,000,000 for the improvement of Missouri high ways.

Mortimer E. Cooley, dean of the College of Engineering and Architecture of the University of Michigan, has been elected president of the American Engineering Council of the Federated American Engineering Societies, to succeed Herbert C. Hoover.

"NOW is the time to build," says W. A. Porter, president of the Berkeley Real Estate Exchange. "When building costs are high, real estate is low and when building becomes cheaper, realty values rise," says Porter. "Berkeley is now at the turning of the tide. Building costs have been lowered perceptibly in the last few weeks and now are as low probably as they will be for many years. On the other hand, land values have not yet gone up. Those who decide to own their own homes today can take advantage of both conditions. Home building now will carry out President Harding's idea of providing employment for as many as possible. But quite apart from such considerations, all those who have been planning to build would do well to put their plans into execution at once."

Peter C. Spence has been appointed manager of the Construction Department of the National Lime Association.

The Austin Machinery Corporation, Chicago, announces that the Canadian Austin Machinery, Ltd., Woodstock, Ont., incorporated under the laws of Canada, will henceforth act as sole manufacturers and distributors in Canada of the complete Austin line of earth-moving and concrete-mixing equipment.

A. J. Bryan, dean of Chico architects, died October 10 after an illness of a year. A stroke of paralysis hastened the end of the architect. Bryan, 73 years old, is survived by his widow, two daughters, one of whom, Miss Josephine Bryan, is principal of the Rosedale school at Chico, and a son, E. E. Bryan of Yuba City.

Oroville Chamber of Commerce preparing to launch an "own your own home" campaign as a means of relieving the housing shortage.

The United States Steel Corporation has voted an expenditure of $10,000,000 in an endeavor to alleviate the unemployment situation. The funds will be expended in the extension of manufacturing plants. The action was taken with the understanding that extensions be made where the services of their own employes, who are now idle, can be utilized and where costs will be fair.

Perry A. Haviland, surveyor for Alameda County for the past 16 years, died October 12 at his home, 910 Oxford street, Berkeley, following a brief period of illness. Haviland was the senior member of the engineering firm of Haviland & Tibbetts in San Francisco. He was the designer of city of Richmond's harbor and also laid out water systems for many of the smaller cities of the State. At the time of his illness he was preparing plans for a bascule bridge across the Oakland estuary. George Posey, Deputy County Surveyor for many years, is the probable successor to Haviland.

The Washoe County Building Trades Council, with headquarters at Reno, Nevada, has made arrangements to provide for all needy members who are in Reno and cannot find employment. A per capita tax will be levied on all the members to defray the expense.

According to reports in Mexico City, George Goethals of Panama Canal fame is to become confidential adviser to General Obregon in the series of works the Mexican president will undertake for the development of Mexico.

One of the most ingenious plans for a bridge across the bay is that suggested by John Meholin of Oakland, a designer, who has an idea for a bridge comprising eight floors, which, if built, would be one hundred feet in height. Meholin claims that by reason of the great height the bridge could be made highly rigid, permitting of longer spans and fewer piers. Each floor would unload on a separate special branch of traffic, permitting one-way travel and high speed, so that the distance would be shortened. Each floor would unload on a separate street, avoiding traffic congestion. Meholin says that any bridge designed should provide for expansion to meet the future requirements, and claims that his idea would meet that demand. He will present his plans to Marston Campbell, head of the East Bay Bridge Committee.

Sheehan & Butler Roofing Company has been organized by Bart Sheehan and Art Butler. The firm will handle any size job, making a specialty, however, of bungalow and old roof repairs. Work undertaken by the firm will be done under the supervision of Art Butler.

What next? Says the San Mateo News-Leader: The oyster beds of Redwood City, long since abandoned, are about to be developed to supply a $90,000 cement plant which Peninsula capitalists will put up there. Scientists have discovered that there is a bed of shells three miles long, a mile wide and hundreds of feet deep. The bed can produce 100 barrels of cement a day, it is said.

As Yolo County Engineer, Asa G. Proctor received a salary of $3,000 a year. The Supreme Court declared the County Engineer Act unconstitutional and not operative. Proctor, due to the decision, has been made County Surveyor. His salary is now $1,800 a year.

A material reduction in the cost of concrete buildings and of buildings in the industrial district of Long Beach will be effected by the provisions of the new building code now being drafted, according to announcement made by Roy D. Van Alstine, assistant City Engineer of that city. Lighter construction of roofs for industrial buildings will be permitted by a proposed reduction of the required allowance for live loads from 40 to 25 pounds per square foot. No limit will be placed on the height of Class A buildings, but height of all other classes of structure will be restricted.

STORES AND OFFICES

(Continued from Page 11)

Plastering Bids Being Taken—Tile Contracts Awarded.

ADDITION Cost, $300,000

SAN FRANCISCO. NE Mission and New Montgomery Sts.

Three-story Class A addition to present two-story building, also a one-story super-structure on roof.

Owner—Schwenberg Metzger & Aronson, Merchants' Exchange Bldg., San Francisco.

Lessee—Associated Oil Company.

Architect — Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.

Engineer—C. H. Snyder, 251 Kearny St., San Francisco.

The tiling for the lavatory partitions has been awarded to Ginsberg Tile Co., 1205 Sutter St.

Tiling for light courts awarded to Eri Richardson, 77 O'Farrell St.

TURLOCK, Stanislaus Co., Cal.—Herbert H. Clougher has purchased property at northwest corner of East Main and Thor Sts. and will move the present building from the site and construct a two-story brick store building, with apartments or offices above. About $50,000 will be expended in construction.

THEATRES

LONG BEACH, Cal.—F. F. Latta, 855 Obispo Ave., Long Beach, is having plans prepared and will erect a 2-story brick moving picture theater and office building at the southwest corner of Anaheim and Orizaba Sts. The lot is 40x130 feet.

ROSEVILLE, Placer Co., Cal.—Ira Gordon of this city has purchased the Keehner property in Mt. Vernon St. and plans the erection of a store and theatre building. The theatre will have a seating capacity of 900 persons. Early construction is planned.

DAILY PACIFIC BUILDER

The only daily newspaper in the West whose columns are devoted exclusively to Building News. Covers San Francisco and Bay Counties. $1.25 per month, payable in advance. Send for sample copy.

560 MISSION STREET SAN FRANCISCO, CAL.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2220	Colombo Hotel	Chiappa	1000
2221	Savage	Morrow	48000
2222	Everett	Mangles	3000
2223	Fink	Owner	1100
2224	Lindauer	Coburn	3500
2225	Aronson	Robinson	4000
2226	Paulist Fathers	Scully	4000
2227	Fennell	Fennell	6000
2228	Haggett	Kincanon	10000
2229	Gibson	Owner	5000
2230	Savage	Owner	9000
2231	Frasier	Foulkes	700
2232	Daly	Reedy	1425
2233	Berge	Owner	5600
2234	Schwab	Nelson	4500
2235	Nelson	Owner	12000
2236	Same	Same	12000
2237	Same	Same	4000
2238	De Ryana	Fillipis	18000
2239	Bennett	Lyon	15500
2240	Voorhies	Owner	12000
2241	Wold	Owner	10000
2242	Cabanski	Mensor	30000
2243	Hundemer	Owner	2000
2244	Neary	Downs	500
2245	Merrino	Draga	2000
2246	Barrett	Owner	4000
2247	Allen	Swenson	1900
2248	McKenna	Owner	5000
2249	Sigwart	Mager	2000
2250	Hamburger	Fontanella	1450
2251	Commercial	Del Favero	3000
2252	Same	Same	3500
2253	Heskins	Bosse	500
2254	Associated	Owner	975
2255	Vanni	Owner	2000
2256	Pucci	Stevenson	1900
2257	Greslot	Mohler	4000
2258	Long	Mohler	3800
2259	Harder	Owner	5600
2260	Duff	Gardner	500
2261	Butushon	Foulkes	2000
2262	Bothin	Hinson	4800
2263	Soans	Britt	500
2264	Schutt	Koenig	15675
2265	McFarland	Volpatti	500
2266	Ruhland	Hantzsche	3000
2267	Janssen	Owner	750
2268	Horwege	Lorenzen	2500
2269	Bjorkman	Owner	3000
2270	Gocke	Sheffield	800
2271	Merritt	Fischer	500
2272	Lacey	Owner	900
2273	Galut	Fournier	650
2274	Koepke	Owner	7500
2275	Carty	Prout	500
2276	Bjorkman	Owner	3000
2277	Cullen	Merritt	750
2278	Newberry	Kulchar	2900
2279	Brown	Owner	12000
2280	Reinhold	Hansen	6400
2281	Homes	Mangels	9400
2282	Everett	Mangels	6000
2283	Brooks	Morton	6200
2284	Galluccci	Amoroso	11100
2285	Rech	Jess	1080
2286	Kelley	Sheridan	1430
2287	Allred	Owner	10000
2288	Cullen	Merritt	750
2289	Nelson	Owner	4000
2290	Harrison	Sandberg	6600
2291	Campbell	Owner	4000
2292	Same	Same	12000
2293	Seigler	Owner	4000
2294	Campbell	Owner	4000
2295	Pacific	Beal	2500
2296	Lucas	Vukicevich	1600
2297	Lipp	Owner	3000
2298	Anglo-Calif	Owner	6000
2299	Hamburger	Owner	11000
2300	Delucchi	Owner	8000
2301	Rice	Owner	12000
2302	Orpheum	Butte	54188
2303	S P Co.	Wocker	4375
2304	Mission	Diestel	17811

PERMITS

ALTERATIONS
(2220) NO. 615 BROADWAY. Alter store; compolith flooring, etc.
Owner—Colombo Hotel, Premises.
Architect—Italo Zanolini, 604 Montgomery St., San Francisco.
Contractor—Chiappa & Coppellotti, 615 Broadway, San Francisco. $1000

FLATS
(2221) S CALIFORNIA 27-6 and 96-3 E 15th Ave. Two two-story and basement frame buildings (4) flats each.
Owner—W. A. Savage, 81 7th Ave., San Francisco.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
Day's work. $24,000 each

RESIDENCE
(2222) W HILDAGO TERRACE 135-3 E Dolores. One-story and basement frame residence.
Owner—Harold F. Everett, 2008 Mission St., San Francisco.
Architect—None.
Contractor—Mangels Bros., 4792 Mission St., San Francisco. $3000

BAKE OVEN
(2223) NO 771 BUSH. Install Middleby portable bake oven in bakery.
Owner—Frank Fink, 89 Naples St., San Francisco.
Architect—None.
Day's work. $1100

REPAIRS
(2224) NO. 35 OAK GROVE AVE. Repair fire damages to sawdust warehouse.
Owner—Gus. Lindauer, Premises.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco. $3500

ADDITION
(2225) E NEW MONTGOMERY bet. Mission and Jessie. Construct addition on roof of office building.
Owner—Aronson, Schoenberg & Metzger, Merchants' Exchange Bldg., San Francisco.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Contractor—Robinson & Gillespie, 1051 Sutter St., San Francisco. $4000

ALTERATIONS
(2226) E STOCKTON 103 N Clay. Alterations and changes for dwelling; rearrange plumbing, etc.
Owner—Paulist Fathers, 660 California St., San Francisco.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—J. E. Scully, Phelan Bldg., San Francisco. $4000

RESIDENCE
(2227) E SIXTEENTH AVE 243-6 N Cabrillo. One-story and basement frame residence.
Owner—Alice S. Fennell, 1907 Baker St., San Francisco.
Architect—None.
Contractor—Jas. E. Fennell, 180 Jessie St., San Francisco. $6000

FLATS
(2228) E THIRTEENTH AVE 150 N Geary. Two-story and basement frame (2) flats.
Owner—Mrs. C. F. Haggett, 700 2nd Ave., San Francisco.
Architect — O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Kincanon & Perego, 159 Sutter St., San Francisco. $10,000

DWELLING
(2229) W THIRTY-SECOND AVE 120 S Lincoln Way. One-story and basement frame dwelling.
Owner—R. N. Gibson, 424 Ellis St., San Francisco.
Plans by Owner.
Day's work. $5000

STORES
(2230) NW GEARY & TWENTY-FIRST Ave. One-story frame stores.
Owner—W. A. Savage, 81 7th Ave., San Francisco.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
Day's work. $9000

CONCRETE PIER BEAM
(2231) N BUSH 102 E Leavenworth. Construct reinforced concrete pier beam to suport one-story brick garage.
Owner—Mrs. A. M. Frasier, 1073 Bush St., San Francisco.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor — W. M. Foulkes, 1514 O'Farrell St., San Francisco. $700

FOUNDATION
(2232) NO. 1472 DOLORES. Concrete foundation; underpinning; add porch; cement basement and plaster front of residence.
Owner—Miss Margaret P. Daly, 1470 Dolores St., San Francisco.
Architect—None.
Contractor—Wm. M. Reedy, 267 Ellsworth St., San Francisco. $1425

DWELLING
(2233) SE DORANTES 20 W San Marcos. One-story and basement frame dwelling.
Owner—Julius Berge, 1234 30th Ave., San Francisco.
Architect—None.
Day's work $5600

RESIDENCE
(2243) W ANDOVER 70 N Crescent. One-story and basement frame residence.
Owner—Mrs. L. U. Hundemer, 1417 Central Ave., Alameda.
Architect—None.
Day's work. $2000

RESIDENCE
(2234) E MONTECITO 142 NE Hazelwood. One-story and basement frame residence and garage.
Owner—Edith Schwab, 405 Van Ness Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco. $4500

RESIDENCES
(2235) N STAPLES 90; 121-6, 153 and 184-6 W Phelan Ave. Four one-story and basement frame residences.

Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Day's work. $3000 each

RESIDENCES
(2236) W VALDEZ 48-128 and 208 S Montecito. Three 1-story and basement frame residences.
Owner—Nelson Bros., No. 1375 Plymouth Ave.
Architect—Chas. F. Strothoff, No. 2274 15th St.
Day's work $4000 ea.

RESIDENCE
(2237) W VALDEZ 90 N Montecito. One-story and basement frame residence.
Owner—Nelson Bros., No. 1375 Plymouth Ave.
Architect—Chas. F. Strthoff, No. 2274 15th St.
Day's work. $4000

RECORDED

APARTMENT BLDG.
(2233) N PINE 105 E Leavenworth 37.6 x 137.6. Concrete, carpenter, mill, rough hdw., roof, glazing, etc., for a 3-story frame apartment building.
Owner—R. V. De Ryana, 1040 Lake St.
Superintendent—The Republic Engineering Co., 1040 Lake St.
Contractor — Vincent Filippis, 1527 Powell St.
Filed Oct. 7, 1921. Dated Oct. 5, 1921.
Concr. walls and concr. foundations done $2000
2nd story joists laid 2000
Roof and ext. walls done..... 2000
Ready for plaster and stairs set 2000
Jams, cases and braces set up.. 2000
Carpenter work completed.... 2500
Finish hardware set..... 1000
Usual 35 days 4500
TOTAL COST, $18,000
Bond, $9000; surety, Republic Casualty Co.; forfeit, $10; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Sept. 17, 1921, No. 1964.

RESIDENCE
(2239) W FOURTEENTH AVE 202-8 S Balboa 43-4x135. All work for a frame residence.
Owner—Wilson H. and Mary L. Bennett, 120 Market St., San Francisco.
Architect—None.
Contractor—Lyon & Hoag, 660 Market St., San Francisco.
Filed Oct. 7, '21. Dated Sept. 24, '21. Lyon & Hoag to superintend construction and pay all bills for construction and be allowed $1500 for said service to be paid 30 days after completion.....
TOTAL COST, $15,500
Bond, none. Limit, 68 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Sept. 29, 1921 No. 2096.

FLATS
(2240) E. 18TH AVE. 28-11 and 53-11 N. Clement. Two 2-story and basement frams bldgs. (2 flats ea.).
Owner—Voorhies-Newman Co., No. 50 Divisadero St., San Francisco.
Architect—Wm. Gunnison, No. 1666 Golden Gate Ave., San Francisco.
Day's work. $6000 ea.

APARTMENTS
(2241) W. LAGUNA 62.6 N. Pine. Two-story and basement frame (4) apts.
Owner—C. L. Wold, No. 40 Montgomery St., San Francisco.
Architect—None.
Day's work. $10,000

APARTMENTS
(2242) S. BUSH 162.6 W. Jones. Four-story and basement brick (14) apartments.
Owner—Eva Cabanski, No. 950 Steiner St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—I. Mensor, No. 2565 Washington St., S. F. $30,000

ALTERATIONS
(2244) NO. 416 BARTLETT. Rebuild wash room; concrete foundation, etc.
Owner—Mrs. J. Neary, Premises.
Architect—None.
Contractor—F. Downs, 1320 Valencia St., San Francisco. $500

REPAIRS
(2245) NO. 618 BOSWORTH. Repair fire damage to (2) flats.
Owner—Sam Ganci and I. Merrino, 679 Chenery St., San Francisco.
Architect—None.
Contractor—Antonio Draga, 733 Chenery St., San Francisco. $2000

RESIDENCE
(2246) W FORTY-EIGHTH AVE 84 N Cabrillo. One-story and basement frame residence.
Owner—Barrett, Jackson & Hoffman, 516 O'Farrell St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000

ALTERATIONS
(2247) SE FIFTH AND FOLSOM. Raise building to plumb lines; alterations to store front, etc.
Owner—Dr. Geo. Allen, 870 Camino Del Mar, San Francisco.
Architect—None.
Contractor—Swensen & Franzen, 145 Natoma St., San Francisco. $1900

CONCESSION
(2248) NO. 814 GREAT HIGHWAY. Erect "Dod-Gem" (amusement concession).
Owner—J. McKenna, Premises.
Architect—None.
Day's work. $5000

ALTERATIONS
(2249) NO. 1640 HAIGHT. Alter store. Ratproofing, etc.
Owner—J. A. Sigwart, Premises.
Architect—J. S. McNally, 23 Woodland Ave., San Francisco.
Contractor — Mager Bros., 1318 Valencia St., San Francisco. $2000

ALTERATIONS
(2250) NO. 1240 MARKET. Remodel store front.
Owner—S. Hamburger, 110 Sutter St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor — Fontanella & Teza, 1682 Eddy St., San Francisco. $1450

ALTERATIONS
(2251) W MISSION 200 E 24th. Alter store fronts; ratproofing; plumbing, general repairing.
Owner—Commercial Center Realty Co., 916 Kearny St., San Francisco.
Architect—None.
Contractor—Del Favero & Rasori, 180 Jessie St., San Francisco. $3000

ALTERATIONS
(2252) W MISSION 137 S 24th. Alter store fronts; ratproofing, etc.
Owner—Commercial Center Realty Co., 916 Kearny St., San Francisco.
Architect—None.
Contractor—Del Favero & Rasori, 180 Jessie St., San Francisco. $3500

ALTERATIONS
(2253) NO. 1900 MARIPOSA. Alter store front.
Owner—B. Heskins, 3844 Clay St., S. F.
Architect—None.
Contractor—A. F. Bosse, 2472 Sutter St., San Francisco. $500

STATION
(2254) INTERSECTION MARKET, Dolores and Clinton Park. One-story steel service station.
Owner—Associated Oil Co., 817 Sharon Bldg., San Francisco.
Architect—None.
Day's work. $975

STOCK ROOMS
(2255) NO. 27 PRESCOTT COURT. Two-story frame stock rooms.
Owner—M. Vanni, 30 Prescott Court, San Francisco.
Architect—None.
Day's work. $2000

ADDITION
(2256) NO. 1258 TWELFTH AVE. Addition (2 stories) in front of residence for two rooms.
Owner—Mrs. D. Pucci, Premises.
Architect—None.
Contractor—L. H. Stevenson, 45 Worth St., San Francisco. $1900

RESIDENCE
(2257) E THIRTY-THIRD AVE 225 S Geary. One-story and basement frame residence.
Owner—Henry Greslot, 6816 Geary St., San Francisco.
Architect—None.
Contractor—T. E. Mohler, 2400 Balboa St., San Francisco. $4000

RESIDENCE
(2258) E TWENTY-FIRST AVE 350 S Lincoln Way. One-story and basement frame residence.
Owner—K. J. Long, 1262 21st Ave., S. F.
Architect—None.
Contractor—T. E. Mohler, 2400 Balboa St., San Francisco. $3800

RESIDENCES
(2259) E THIRD AVE 125 and 150 S Anza. Two one and one-half-story and basement frame residences.
Owner—John Harder, 870 39th Ave., San Francisco.
Plans by Owner.
Day's work. $2800 each

DWELLING
(2260) SW GOETTINGEN 50 NW Silliman. One-story and basement frame dwelling.
Owner—Eveleen C. Duff, No. 64 Goettingen St., San Francisco.
Architect—None.
Contractor—K. C. Gardner, No. 335 Raymond Ave., S. F. $500

ADDITION
(2261) 1514 O'FARRELL ST. Addition for flats.
Owner — Abraham Butushon, 1514 O'Farrell St., San Francisco.
Architect—Mohr, 207 Diamond St., San Francisco.
Contractor—Foulkes Bros., 179½ Geary St., San Francisco. $2000

ALTERATIONS, ETC.
(2262) NO. 536 SIXTH ST. Alterations and repairs for factory.
Owner—Bothin Real Estate Co., 2nd and Mission Sts., San Francisco.
Architect—A. S. Bugbee, No. 26 Montgomery St., San Francisco.
Contractor—L. A. Hinson, No. 1228 Grove St., San Francisco. $4800

ALTERATIONS, ETC.
(2263) NO. 1553 TURK ST. Raise roof; extend blacksmith shop.
Owner—Frank Soans, No. 1553 Turk St., San Francisco.
Architect—None.
Contractor—O. W. Britt, No. 1257 1st Ave., San Francisco. $500

RECORDED

FRAME FLATS
(2264) NW HAYES AND CLAYTON 27-6 on Hayes by 100. All work for two-story frame building (flats.)

er—Mrs. L. Schutt.
itect—Wm. Koenig, 788 16th Ave., San Francisco.
tractor—Koenig Bldg. Co., 520 Church St., San Francisco.
d Oct. 10, 21. Dated Oct. 4, '21.
oof on $3918.75
rown coated 3918.75
ompleted and accepted..... 3918.75
sual 35 days..... 3918.75
TOTAL COST, $15,675.00
d, $7837.50. Sureties, Wm. A. New- and A. W. Buschke. Limit, 120 s. Forfeit, none. Plans and speci- tions filed.
OTE:—Permit reported Oct. 7, 1921. 2217.

RAGE
55) NE BON VIEW & EUGENIA. One-story frame (private) garage.
ner—J. McFarland, No. 199 Bon View Ave.
hitect—None.
tractor—Jesse Volpatti, No. 301 Nevada St. $500

SIDENCE
66) S CLEMENT 96 E 33rd Ave. One-story and basement frame residence.
ner—Ch. Ruhland, No. 6816 Geary St.
hitect—None.
ntractor—G. M. Hantzsche, No. 528 31st Ave. $3000

PAIRS, ETC.
267) E. 18TH AVE. 225 N. Geary. General repairs and alterations for church and school.
ner—E. A. Janssen, No. 402 Hearst Bldg.
chitect—Plans by owner.
y's work. $750

PARTMENTS
268) NO. 262-264 FREDERICK ST. Alterations and minor addition for four apartments.
ner—Mrs. E. M. Horwege, No. 264 Frederick St.
rchitect—W. T. Lorenzen, No. 156 Herman St.
ntractor—W. T. Lorenzen, No. 156 Herman St. $2,500

ESIDENCE
269) W. 43RD AVE. 200 N. Fulton. One-story and basement frame residence.
wner—John Bjorkman, Alturas Apts.
rchitect—None.
ay's work. $3,000

LTERATIONS
270) NO. 1031 GOLDEN GATE AVE. Alterations to front of stores and flat; interior work for store, etc.
wner—Caroline Gocke, No. 105 Montgomery St.
rchitect—None.
ontractor—W. A. Sheffield, No. 167-A Castro St. $800

RETAINING WALL
2271) NO. 612 HOWARD ST. Concrete retaining wall at curb line.
wner—Dr. Geo. W. Merritt, No. 612 Howard St.
rchitect—None.
ontractor—E. L. Fischer, No. 35 Montgomery St. $500

PLUMBING SHOP
2272) S. HOWARD 25 W. Morse. One-story frame plumbing shop.
wner—E. V. Lacey, No. 180 Jessie St
rchitect—C. O. Clausen, Hearst Bldg.
ay's work. $900

ALTERATIONS
2273) NO. 1643 OAKDALE AVE. Alter 2-story residence for 2 flats.
wner—Felix Galut, No. 835 Pacific St
Architect—None.
Contractor—A. Fournier, No. 1827-A Powell St. $650

FLATS
(2274) E. 26TH AVE. 120 S. Anza. Two-story and basement frame (2) flats.
Owner—W. H. Koepke, No. 661 10th Avenue.
Architect—E. H. Hildebrand, No. 68 Post St.
Day's work. $7,500

ALTERATIONS
(2275) NO. 2306 VALLEJO ST. Alterations for private garage; concr. floor; plastering, etc.
Owner—Mr. Carty, Premises.
Architect—None.
Contractor—J. Prout, No. 2020 Turk Street. $500

RESIDENCE
(2276) W 43RD AVE 150 N Fulton. One-story and basement frame residence.
Owner—John Bjorkman, Alturas Apts.
Architect—None.
Day's work. $3000

ALTERATIONS, ETC.
(2277) 540 40TH AVE. Raise present building and alter for basement (private) garage.
Owner—Wm. K. Cullen, 540 48th Ave.
Architect and Contractor — Geo. M. Merritt, No. 3014 Geary St. $750

STALL FIXTURES
(2278) NO. 359 SUTTER ST. Install store fixtures.
Owner—T. E. Newbery Electric Co., No. 359 Sutter St.
Architect—Alfred Kahn, No. 833 Market St.
Contractor—S. Kulchar, 8th Ave. and E. 10th St., Oakland. $2900

RESIDENCES
(2279) W 37TH AVE, 30-60-90-120 S. Irving. Four 1-story and basement frame residences.
Owner—Ward C. Brown, No. 2945 Harrison St., City.
Architect—None.
Day's work. $3,000 ea.

RESIDENCES
(2280) E 39th Ave. 178 and 204 N. Cabrillo. Two 1-story and basement frame residences.
Owner—D. O. Reinhold.
Architect—C. O. Clausen, Hearst Bldg.
Contractor—H. E. Hansen, No. 423 30th Avenue. $3200 ea.

RECORDED

RESIDENCE
(2281) LOT 9 BLK 16 ST FRANCIS Wood. Two-story and basement frame residence.
Owner—Homes Loan Corp.
Architect—Chas. F. Strothoff, 2274 15th Street.
Contractor—Mangels Bros., 4792 Mission St.
Filed Oct. 11, '21. Dated Oct. 7, '21.
Roof on $2350
White coated 2350
Completed and accepted 2350
Usual 3 5days 2350
TOTAL COST, $9400
Bond, $4700; sureties, Theresa Gamma and Jno. A. F. Steimke; forfeit, $5; limit, 90 days. Plans and specifications filed.

RESIDENCE
(2282) S HIDALGO TER 153-3 E Dolores E 25 x S 100. One-story and basement frame residence.
Owner—Harold F. Everett, 2008 Mission St.
Architect—W. J. Mangels.
Contractors—Mangels Bros., 4792 Mission St.
Filed Oct. 11, '21. Dated Oct. 11, '21.
Frame up $1500
Brown coated 1500
Completed and accepted..... 1500
Usual 35 days 1500
TOTAL COST, $6000
Bond, sureties, forfeit, none; limit, 120 days. Plans and specifications filed.
NOTE:—Permit reported Oct. 8, 1921, No 2222.

DWELLING
(2283) NO 1717 VALLEJO. All work except plastering, painting, shades electric fixtures, etc., for two-story hollow tile dwelling.
Owner—Digby S. Brooks, 1717 Vallejo St., San Francisco.
Architect — Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, Balboa Bldg., San Francisco.
Filed Oct. 11, '21. Dated Oct. 8, '21.
2nd floor joists on.....$1550
Tile work in place and roof on 1550
Completed and accepted..... 1550
Usual 35 days..... 1550
TOTAL COST, $6200
Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed.

RESIDENCE
(2284) N. FRANCISCO 165 W Franklin 50x137.6. All work except finish hardware, light fixtures, electro-steam radiators and window shades for a two-story frame residence.
Owner—N. Gallucci, 1242 Montgomery St., San Francisco.
Architect—Italo Zanolini, 706 Montgomery St., San Francisco.
Contractor—F. C. Amoroso, 1336 Kearny St., San Francisco.
Filed Oct. 11, 1921. Dated Oct. 11, 1921.
Roof on $2775
Brown coated 2775
Completed and accepted..... 2775
Usual 35 days 2775
TOTAL COST, $11,100
Bond, $5550; sureties, G. Totaro Natal Arieta; forfeit, none; limit, 90 days. Plans and specifications filed.
NOTE:—Permit also applied for today.

ALTERATIONS, ETC.
(2285) 2860 GREEN ST. Alterations and additions to residence.
Owner—Mrs. Alfred J. Rich, Jr., 2860 Green St.
Architect—Plans by A. J. Rich & Co., 58 Sutter St.
Contractor—Carl Jess.
Filed Oct. 11, '21. Dated Oct. 8, '21.
Frame and roof posts in place..$250
Plastering and rough plumbing completed 250
Completed and accepted 250
Usual 35 days 330
TOTAL COST, $1080
Bond, $500; sureties, G. A. Ritter and J. E. Davis; forfeit, none; limit, 30 days. Plans and specifications filed.

ADDITIONS
(2286) NO. 806-808 HAIGHT. All work except painting, electric wiring and fixtures for aditions to building.
Owner—Mrs. Mary R. Kelley, Premises.
Plans by Owner.
Contractor—Phil Sheridan, 1510 Harmon St., Berkeley.
Filed Oct. 11, '21. Dated Oct. 10, '21.
1st coat plaster on.....$500
Inside finish ready for painter and outside done 500
Completed 430
TOTAL COST, $1430
Bond, $715. Sureties, Howard P. and Walter H. Sheridan. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE: Permit reported Sept. 30, 1921, No. 2142

RESIDENCES
(2287) N DORANTES 120 and 186 W Montalvo. Two two-story and basement frame residences.
Owner—C. S. Allred, 159 Liberty St., San Francisco.
Architect—None.
Day's work. $5000 each

ALTERATIONS
(2288) NO. 540 FORTIETH AVE. Raise present building and alter for basement garage.
Owner—Wm. K. Cullen, Premises.
Architect—Geo. M. Merritt, 3014 Geary St., San Francisco.
Contractor—Geo. M. Merritt, 3014 Geary St., S. F. $750

RESIDENCE
(2289) W FORESTSIDE AVE 160 S Ulloa. Two-story and basement frame residence.
Owner—Fernando Nelson & Sons, West Portal Park, San Francisco.
Architect—None.
Day's work. $4000

RESIDENCE
(2290) E FUNSTON AVE 100 S Lake. Two-story and basement frame residence.
Owner—C. B. Harrison, 104 Funston Ave., San Francisco.
Architect—None.
Contractor—Sandberg & Easmann, 501 Fourth St., San Francisco. $6600

RESIDENCE
(2291) SW FORTY-FIFTH AVE AND Pt. Lobos. One-story and basement frame residence.
Owner—J. V. Campbell, 1040 Bryant St., San Francisco.
Architect—None.
Day's work. $4000

RESIDENCES
(2292) W FORTY-FIFTH AVE 35 67-9 and 100-6 N Geary. Three one story and basement frame residences.
Owner—J. V. Campbell, 1040 Bryant St., San Francisco.
Architect—None.
Day's work. $4000 each

MACHINE POLISHING PLANT
(2293) N GEARY 55 W Palm Ave. One-story reinforced concrete washing and machine polishing plant.
Owner—H. M. Seigler, 110 Sutter St., San Francisco.
Engineer—J. J. Moore, 110 Sutter St., San Francisco.
Day's work. $4000

RESIDENCE
(2294) NW GEARY AND FORTY-fifth Ave. One-story and basement frame residence.
Owner—J. V. Campbell, 1040 Bryant St., San Francisco.
Architect—None.
Day's work. $4000

AMUSEMENT CONCESSION
(2295) GREAT HIGHWAY bet. Geary and Fulton. Construct amusement device to be known as "Chutes at Beach."
Owner—Pacific Amusement Co., 251 Russ Bldg., San Francisco.
Architect—None.
Contractor—C. H. Beal, 520 Jones St., San Francisco. $2500

SHOP
(2296) SW HAMPTON PLACE AND Folsom. One-story concrete shop.
Owner—L. R. Lurie, Mills Bldg., S. F.
Architect—J. C. Hladik, 825 Monadnock Bldg., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco. $4600

COTTAGE
(2297) N IRVING 95 W 29th Ave. One-story and basement frame cottage.
Owner—I. P. Lipp, 1266 18th Ave., San Franciesco.
Architect—None.
Day's work. $3000

ALTERATIONS
(2298) N MARKET 70 E Jones. Alter front; erect metal lath and plaster partitions; mezzanine floor, etc., for store.
Owner — Anglo California Trust Co., Care Architect.
Architect — S. Heiman, 57 Post St., San Francisco.
Day's work. $6000

STORE
(2299) E MISSION 90 N Nineteenth. One-story reinforced concrete store.
Owner—Samuel Hamburger, 110 Sutter St., San Francisco.
Architect—Andrew H. Knoll, Hearst Bldg., San Francisco.
Day's work. $11,000

FLATS
(2300) W SEVENTEENTH AVE 275 S Anza. Two-story and basement frame (2) flats.
Owner—J. J. Delucchi, Care Architect.
Architect—C. O. Clausen, 1128 Hearst Bldg., San Francisco.
Day's work. $8000

FRAME FLATS
(2301) — TWENTY-SEVENTH AVE 150 N Lake. Two-story and basement frame (2) flats.
Owner—Rice Bros., 1227-A Pacific Ave., San Francisco.
Architect—None.
Day's work. $12,000

RECORDED

ELECTRICAL WORK
(2302) NW GOLDEN GATE AVE AND Taylor. Electrical work for bldg.
Owner — Junior Orpheum, San Francisco by W. S. Dinwiddie, Crocker Bldg., San Francisco.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor — Butte Electric & Mfg. Co., 534 Folsom St., San Francisco.
Filed Oct. 13, '21. Dated Aug. 30, '21.
Monthly payments as work progresses of 75%
Usual 35 days..... 25%
TOTAL COST, $54,188
Bond, $54,188. Surety, Hartford Accident & Indemnity Co. Limit, 120 days. Forfeit, none. Plans and specifications filed.

PAINTING, ETC.
(2303) THIRD ST. STATION. All work for redecorating, painting and polishing main waiting room and dining room of railroads.
Owner—Southern Pacific Company.
Architect—None.
Contractor—A. C. Wocker, 1370 Sutter St., San Francisco.
Filed Oct. 13, '21. Dated Sept. 24, '21.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $4375
Bond, $3280. Surety, Hartford Accident & Indemnity Co. Limit, 100 days after commencement. Forfeit, none. Plans and specifications, none.

REPAIRS
(2304) NO. 3541 EIGHTEENTH ST. SW 18th and Lapidge. All work for reconstruction of building damaged by fire.
Owner—Mission Turn Verein Inc., 248 Russ Bldg., San Francisco.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco.
Filed Oct. 13, '21. Dated Oct. 12, '21.
Roof on $3339.60
Brown coated 3305.65
Interior wood work done.... 3339.60
Accepted 4452.83
Usual 35 days.....
TOTAL COST, $17,811.33
Bond, none. Limit, 40 days. Forfeit, plans and specifications, none.
NOTE:—Permit reported Oct. 5, 1921, No. 2184.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepte
Oct. 13, 1921—NE BUSH & HYDE E 195 N 137-6 W 57-6 N 10 W 137-6 S 147-6. St. Francis Hospital Co to C E Gordon, Oct. 11, 1921; C Petersen Co.....Oct. 4, 192
Oct. 13, 1921—E TWENTY-THIRD Ave 150 N Fulton N 100xE 120. Jonathan Anderson to Theodore G and Rollin E Meyer...Oct. 13, 192
Oct. 13, 1921—E TENTH AVE 225 N Anza N 25xE 120. W O Lindeman to W R Lindeman.....Oct. 13, 192
Oct. 13, 1921—S BRANNAN W of 8th St. George Winery. The Western Pacific Railroad Co to G V Daniels and The Central Elec Co..Oct. 1, 192
Oct. 13, 1921—NW POLK AND PINE MacDanold & Kahn to whom it may concern.....Oct. 13, 192
Oct. 13, 1921—W SIXTEENTH AVE 150 N Fulton N 25xW 120. Peter Bradley to whom it may concern .....Oct. 13, 192
Oct. 13, 1921—S TWENTIETH 27-6 W Shotwell W 95xS 65. Mary E Rice, Wm F Rice and Benj F Rice to Martin M Fennell.....Oct. 12, 192
Oct. 11, 1921—S WEST CLAY AVE 32-6 E 26th Ave 50x100. Elizabeth E Tracey to whom it may concern.....Oct. 10, 192
Oct. 11, 1921—NE NINETEENTH AVE and Fulton. Frank H Doran to Gus May.....Oct. 11, 192
Oct. 10, 1921—N PACIFIC 52-6 E Battery E 85xN 67-6. Louis R Lurie to Spencer B Bagge and M E Vukicevich.....Oct. 7, 192
Oct. 11, 1921—SE MISSION 225 NE Brazil Ave. NE 25 x SE 83.6, ptn lot 3 blk 2 Excl. Hd. Assn. Fred A. Steinmann to whom it may concern .....Oct. 10, 1921
Oct. 11, 1921—SE LISBON DISTANT thereon N 29° 22′ E 314; th. N. 29° 22′ E 30.261; th. along SW line Amazon Ave W 65° 15′ 49″ E 100.66; th. S 29° 22′ W 38.39; th. N 60° 38′ W 100.337 to beg. pnt. lots 15, 16, 17 and 18 blk 8 Crocker Amazon Tract. Kristine Svendsen to whom it may concern..... .....Oct. 10, 1921
Oct. 11, 1921—W 6TH AVE 125 N Geary N 25 x W 120. David Leigh to whom it may concern..Oct. 10, 1921
Oct. 11, 1921—40 FT ON DEWEY Blvd 370 E of Pacheco, lot 14 blk 2 Forest Hill. Chas. E. Reinhart to H. C. Lewis.....Oct. 10, 1921
Oct. 10, 1921—E TWENTY-FIRST AV 379 S Balboa. John Flause to whom it may concern.....Sept. 28, 1921
Oct. 10, 1921—N GEARY 110 W Commonwealth Ave 70x100. Thos. Hamill to whom it may concern... .....Oct. 10, 1921
Oct. 8, 1921—E 20TH AVE 225 S Balboa S 25 x E 120. Michael McDonough to whom it may concern.
Oct. 8, 1921—W 2ND AVE 115-11⅞ S Cabrillo S 29 x W 120. Lena Betti to Michael McDonough.....
Oct. 8, 1921—W MONTGOMERY 75 N Post W 160 x N 100. The First Nat. Bank of San Francisco to California Artistic Metal and Wire Co. .....Oct. 8, 1921
Oct. 7, 1921—W EIGHTH AVE 175 S H St. S 25xW 120. Josephine V Yost to George M Merritt.Oct. 5, 1921
Oct. 7, 1921—S CASELLI AVE 206.8 W Douglass W 25 x S 96. Marie Peterson to W. C. Petersen..... .....Oct. 5, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
Oct. 13, 1921—LOT 19 BLK 2619 fmly Lyon & Hoag Sub Ashbury Terrace No. 2 (N Levant bet Vul-

can and States) Eric Weekland. $45; Gust Jelm, $145 vs George Mastabunch .....

Oct 13, 1921—E FAIR OAKS 183 S 21st S 61xE 117-6. Mission Lumber Co vs T O Anfonsen and Carrie Baker $206.54

Oct. 10, 1921—NE EGBERT 225 NW Phelps NW 28 NE 48 SE 5 SW 82 A Muller vs J J Chase... ..$45

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded	Amount
Oct. 8, 1921—NW JERSEY & VICKSburg N 25 x W 100. Hart-Wood Lumber Co. vs Edw. E. Sullivan and A G Hathcock.....	

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
3452	Von Adelung	Dawson	9000
3453	Merritt	Glasgow	700
3454	Seldon	Scheussler	3500
3455	Kinley	Bletroad	4000
3456	Schaw	Owner	800
3457	Button	Button	4575
3458	Booker	Owner	4000
3459	Morgensen	Owner	4000
3460	Bank Italy	Owner	500
3461	Harrington	Hanson	4000
3462	Ratto	Perona	5800
3463	Dupont	Coli	400
3464	Roos	MacDonald	23000
3465	Flood	Courtright	475
3466	Brackett	Knight	2000
3467	Guthrie	Marshall	1800
3468	Grainger	Owner	5000
3469	Foster	Warner	800
3470	Allender	Cal Bldrs	500
3471	Arena	Perona	5500
3472	Smith	Sprague	7700
3473	Harris	Owner	20000
3474	Clark	Owner	500
3475	Dunham	Sommarstrom	1200
3476	Fry	Wieben	1900
3477	Eigth Av. M. E.	Owner	400
3478	Reedell	Owner	3800
3479	Carbonic	Owner	500
3480	Jones	Taylor	500
3481	Steffins	Owner	2500
3482	Smith	Owner	2500
3483	Clarino	Owner	800
3484	Wiggins	Owner	2000
3485	Gwanovich	Carbett	615
3486	Low	Low	800
3487	Halladay	Owner	500
3488	Hayes	Owner	500
3489	Martorana	Jones	500
3490	McKee	Cuthbertson	5322
3491	Picard	Jones	4950
3492	Kauffman	Bischoff	15000
3493	Rose	Owner	4000
3494	Van de Mork	Hansson	4500
3495	Leonard	Owner	500
3496	Setaro	Jones	1500
3497	Shane	Smith	1500
3498	Ebinger	McWethy	450
3499	Capwell	Fortin	2138
3500	Broadway	Fortin	2146
3501	Oakland	Schnebly	2301
3502	Bernardi	Owner	3500
3503	Hinson	Nelson	5000
3504	Robinson	Gaza	5000
3505	Decorte	Owner	500
3506	Stanley	Oakley	5500
3507	Francis	Owner	2500
3508	Fignare	Donald	875
3509	Day	Larson	750
3510	Moore	Owner	1000
3511	Eichel	Oakland	500
3512	Sanitary	Mower	500
3513	Carpenter	Robins	1000
3514	Johnson	Fish	7894
3515	Berry	Lewis	150
3516	Beswick	Owner	10000
3517	Webb	Flittner	2500
3518	Lazzari	Leonard	7200
3519	Carcarullo	Wade	4025
3520	Kauffman	Bischoff	—
3521	Kockritz	Knight	4200
3522	Addison	Knight	4200
3523	Ford	Lucas	5000
3524	Lekeno	Hale	800
3525	Moore	Leiter	2500
3526	Crane	Owner	4000
3527	Morse	Hind	4000
3528	Waggner	Ramsett	2500
3529	Hill	Cowell	1800
3530	Mott	Hillen	10000
3531	Nebo	Owner	5000
3532	Reite	Reite	3000
3533	Morris	Kuchendorfer	500
3534	Godfrey	Lockwood	800
3535	Hally	Owner	3500
3536	Addison	Knight	4200
3537	Noble	Owner	3500
3538	Cal. Cotton	Owner	100
3539	Zwaal	Owner	3000
3540	Conant	Hauri	925
3541	Marianni	Torre	1500
3542	Harmon	Hendricks	1530
3543	Spaulding	Reiman	400
3544	Walters	Owner	3000
3545	Fereto	Malley	4000
3546	Pasers	Lodge	3700
3547	Schumann	Sherman	1855
3548	Cross	Christensen	30000
3549	Scientist	Anderson	3385
3550	Webb	Flittner	2500
3551	Kiel	Peterson	15000
3552	Woodburn	Owner	4000
3553	Curtis	Curtis	2000
3554	Fennacy	Owner	1600
3555	Zumbrunnan	Owner	400
3556	Bloodworth	Owner	3000
3557	Kinnon	Roseram	5000
3558	Smith	Sprague	5500
3559	Souza	Anderson	5080

PERMITS

DWELLING
(3452) E DOMINGO AVE 350 N Plaza Dr., Berkeley. Two-story 7-room dwelling.
Owner—Katherine and Edw. Von Adelung, 3125 College Ave., Berkeley.
Manager of Construction—Frederick Whitton, 193 Hillcrest Rd., Berkeley
Hillcrest Road, Berkeley.
Contractor—J. Dawson, 2121 Durant Ave., Berkeley. $9000

ALTERATIONS, ETC.
(3453) 2208 GRANT ST Berkeley Alterations and addition.
Owner—Mrs. Merritt, Premises.
Architect—None.
Contractor—W. L. Glasgow, 2436 Durant Ave., Berkeley. $700

DWELLING
(3454) 1733 SAN LORENZO, Berkeley. One-story 6-room dwelling.
Owner—Thomas W. Seldon, Berkeley.
Architect—None.
Contractor—H. H. Scheussler, Berkeley. $3500

DWELLING
(3455) N SAN LUIS AVE 154 W Domingo, Berkeley. Two-story 8-room dwelling.
Owner—Conradena Kinley, R. F. D. No. 1, Box 51, Berkeley.
Architect—None.
Contractor—D. T. Blethroad, 946 Shattuck Ave., Berkeley. $4000

ADDITION
(3456) 1330 2ND ST., Berkeley Addition.
Owner—Greene-Schaw Co., Premises.
Architect—None.
Day's work. $800

DWELLING
(3457) CAMBRIDGE WAY & GREENback, Piedmont One and one-half-story frame dwelling.
Owner—F. Button, 347 63rd St., Oakland
Architect—None.
Day's work $4575

DWELLING
(3458) S ARKANSAS 300 E Maple, Oakland. One-story 5-room dwelling.
Owner—Booker & Kelly, 583 5th St. Richmond.
Architect—None.
Day's work. $4000

DWELLING
(3459) W BROADWAY 170 S Manila, Oakland. One-story 5-room dwelling.
Owner—Morgensen Bros., 692 42nd S Oakland.
Architect—None.
Day's work. $4000

ALTERATIONS
(3460) 5701 COLLEGE AVE. Oakland. Alterations.
Owner—Bank of Italy.
Architect—None.
Day's work. $500

DWELLING
(3461) N E-28TH ST 128 E Bella Vista, Oakland. One-story 7-room dwelling.
Owner—Margueritte Harrington.
Architect—None.
Contractor—A. F. Hanson, 512 A St., St., Hayward. $4000

STORE BLDG.
(3462) SW COR 4TH & FRANKLIN Sts., Oakland. One-story concrete and brick store building.
Owner—A. Ratto Co., 1203 High St., Alameda.
Architect—C. W. McCall, Central Bank Bldg., Oakland.
Contractor—John Perona, 570 7th St., Oakland. $5800

ADDITION
(3463) 5812 FREMONT Oakland. Addition.
Owner—A. Dupont, Premises.
Architect—None.
Contractor—P. Cole, 718 Evelyn Ave., Albany. $400

STORE BLDG.
(3464) S GRAND AVE 69 E Bdwy., Oakland. One-story concrete store building.
Owner—Irene M. Roos.
Architect—Reed & Corlett, Oakland Bank of Sav. Bldg., Oakland.
Contractor—MacDonald & Kahn, 130 Montgomery St., S. F. $23,000

ALTERATIONS
(3465) 1704 LINDEN ST., Oakland. Alterations.
Owner—E. Flood, Premises.
Architect—None.
Contractor—T. Courtright, 345 51st St., Oakland. $475

ADDITION
(3466) SW COR MILES & COLLEGE Aves., Oakland. Addition.
Owner—Brackett & Co.
Architect—None.
Contractor—Harry Knight, 388 12th St., Oakland. $2000

DWELLING
(3467) 3311 VALE AVE., Oakland One-story 3-room dwelling.
Owner—Mary Guthrie, Premises.
Architect—None.
Contractor—J. S. Marshall, 3521 E. 15th St., Oakland. $1500

DWELLING
(3468) W KENMORE AVE 100 N Lakeshore Ave., Oakland. One-story 6-room dwelling.
Owner—J. S. Gardner, 2 Lenox St., Oakland.
Architect—None.
Day's work. $[illegible]

ALTERATIONS
(3469) NO. 1632 MYRTLE ST., Oakland. Alterations.
Owner—M. [illegible]
Architect—None.
Contractor—S. A. Warner, 1508 41st Ave., Oakland. $[illegible]

STORE
(3470) S TWELFTH 100 E Harrison, Oakland. One-story brick store.
Owner—Wm. Allender, 233 12th St., Oakland.
Architect—None.
Contractor — California Builders Co., 1534 Franklin St., Oakland. $500

RECORDED

STORE
(3471) E CLAY 50 N Ninth being N 20 Lot 2 and S 20 Lot 3 Blk 117 Map Kellersbergers Map of Oakland, Oakland. All work for 1-story brick store.
Owner—Joseph Arena, Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—John Perona, 570 7th St., Oakland.
Filed Oct. 8, '21. Dated Oct. 6, '21.
Brick walls up..... ¼
Roof completed..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $5500
Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also aplied for today

DWELLINGS
(3472) LOTS 19 AND 20 BLK 2116 Map Alden Tract at Temescal, Oakland. All work for three one-story frame dwellings.
Owner—Evelyn Ellis Smith.
Architect—None.
Contractor—J. E. Sprague, 1529 Alice St., Oakland.
Filed Oct. 8, '21. Dated Aug. 31, '21.
Ready for roof..... ¼
Ready to lath..... ¼
Plastered..... ¼
Completed..... ¼
TOTAL COST, $5700
Bond, $3000. Surety, National Surety Co. Limit, Jan. 1. Forfeit, none. Plans and specifications filed.

APARTMENTS
(3473) E. COLLEGE AVE. 450 S. Woolsey, Berkeley. Two-story 30-room apartments.
Owner—Harris-Jenks Co., 2977 Piedmont Ave., Berkeley.
Architect—Hutchinson & Mills, Albany Bl'k., Oakland.
Day's work. $20,000

ADDITION
(3474) 2101 5TH ST., Berkeley. Addition.
Owner—Peter H. Clark, 1322 Santa Fe Ave., Berkeley.
Architect—None.
Day's work. $500

BARN
(3475) W CASTRO 75 S Seventh, Oakland. Two-story barn.
Owner—Dunham Farm Creamery.
Architect—None.
Contractor—Sommarstrom Bros., 1941 21th St., Oakland. $1200

SHED
(3476) NO. 3300 E-FOURTEENTH, Oakland. Shed.
Owner—Perry C. Fry Co.
Architect—None.
Contractor— Alex C. Wieben, 3602 Fruitvale Ave., Oakland. $1900

RESHINGLE
(3477) NW E-SEVENTEENTH AND Eighth Ave., Oakland. Reshingle.
Owner — Eighth Ave. M. E. Church, Premises.
Architect—None.
Day's work. $400

DWELLING
(3478) E EASTMAN 172 N Allendale Ave., Oakland. One-story five-room dwelling.
Owner—Chas. Reedell, 3826 Eastman Ave:, Oakland.
Architect—None.
Day's work. $3800

TOWER
(3479) FOOT FIFTH AVE., Oakland. Tower.
Owner—Carbonic Gas Co.
Architect—None.
Day's work. $500

ALTERATIONS
(3480) NO. 1538 FIFTIETH AVE., Oakland. Alterations.
Owner—David Jones.
Architect—None.
Contractor—H. Taylor, 1238 50th Ave., Oakland. $500

DWELLING
(3481) E NINETY-FOURTH AVE 75 S Plymouth, Oakland. One-story 4-room dwelling.
Owner—Herman D. Steffins.
Architect—None.
Day's work. $2500

DWELLING
(3482) N NEY AVE 355 E Juno St., Oakland. One-story 5-room dwlg.
Owner—W. H. Smith, 1102 Jackson St., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(3483) SW SIXTH AND CASTRO, Oakland. One-story 2-room dwlg.
Owner—I. Clarino, 531 Castro St., Okd.
Architect—None.
Day's work. $800

ALTERATIONS
(3484) NO. 5663 SHAFTER AVE., Oakland. Alterations and additions.
Owner—H. S. Wiggins, Premises.
Architect—None.
Day's work. $2000

ALTERATIONS
(3485) NO. 1581 SEVENTH ST., Oakland. Alterations.
Owner—N. Gwanovich.
Architect—None.
Contractor — Corbett & Bayliss, 1110 Franklin St., Oakland. $615

DWELLING
(3486) S. SALISBURY 365 W 35th Ave., Oakland. One-story 4-room dwelling.
Owner—H. G. Low, 757 65th St., Oakland.
Architect—None.
Contractor—A. G. Low, 757 65th St., Oakland. $800

ALTERATIONS
(3487) 2931 23RD AVE., Oakland. Alterations.
Owner—E. A. Halladay.
Architect—None.
Day's work. $500

ADDITION
(3488) 589 22ND ST., Oakland. Addition.
Owner—Mrs. M. Hayes.
Architect—None.
Day's work. $500

STORE BLDG.
(3489) W TELEGRAPH AVE 75 N 24th St., Oakland. One-story brick store.
Owner—Joe Martorana, 2441 Telegraph Ave., Oakland.
Architect—None.
Contractor—Jones & Hamilton, 562 24th St., Oakland. $500

DWELLING
(3490) LOT 9 BLK I Map Northrae, Berkeley. One-story 5-room dwelling.
Owner—C. R. and C. E. McKee, 930 Union St., Oakland.
Architect—Andrew T. Haas.
Contractor—Thos. A. Cuthbertson.
Filed Oct. 10, '21. Dated Oct. —, '21.
Roof boards on $1330
Brown coated 1330
Completed and accepted..... 1330
Usual 35 days 1332
TOTAL COST, $5322
Bond, $5322; surety, London & Lancashire Indemnity Co.; forfeit $1 day; limit, 60 days. Plans and specifications filed.

WAREHOUSE
(3491) NE COR COLLEGE & LAWTON Aves. NW 536.98 NE 114.07 for pt. begin. NW 92 NE 36 NW 42 NE 40 SE 134 SW 76, Oakland. One-story brick warehouse.
Owner—W. H. Picard, 477 Hardy, Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—H. D. Jones, 215 Okd. Bank of Sav. Bldg., Oakland.
Filed Oct. 10, '21. Dated Oct. 10, '21.
Brick walls up.....$1200
Roof completed..... 1250
Completed and accepted..... 1250
Usual 35 days..... 1250
TOTAL COST, $4950
Bond, $2500. Sureties, J. W. Helm and M. G. Kendall. Limit, 30 days. Forfeit, $5 a day. Plans and specifications filed.

DWELLING
(3492) NW COR ALCATRAZ AVE & Lewiston Ave., Berkeley. Two-story 11-room dwelling.
Owner — Jeanette Kauffman, 2832 Cherry St., Berkeley.
Architect—None.
Contractor—John A. Bischoff, 2717 Russell St., Berkeley. $15,000

DWELLING
(3493) S. CEDAR 255 E Sacramento, Berkeley. One-story 5-room dwelling.
Owner—Joe Rose, 1453 16th St., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Day's work. $4000

DWELLING
(3494) E. CONTRA COSTA AVE. 40 N Indian Rock. One-story 5-room dwelling.
Owner—Mrs. Clara Van de Mork, Virginia and Grove, Berkeley.
Architect—None.
Contractor—Hans A. Hansson, 1749 Grove St., Berkeley. $4500

ADDITION
(3495) 1139 FRANCISCO, Berkeley. Addition.
Owner—Mrs. Nancy E. Leonard, 1141 Francisco St., Berkeley.
Architect—None.
Contractor—Forsell, 1141 Francisco St., Berkeley. $500

ALTERATIONS, ETC.
(3496) 2747 FULTON ST., Berkeley. Alterations and addition.
Owner—A. Setaro, Premises.
Architect—None.
Contractor—W. P. Jones, 2218 Los Angeles Ave., Berkeley. $1500

ALTERATIONS
(3497) COR. TELEGRAPH AND BANcroft, Berkeley. Alterations.
Owner—Shane & Taylor.
Architect—None.
Contractor — Harry C. Smith, 2011 Francisco St., Berkeley. $1500

GARAGE
(3498) 1063 ALCATRAZ AVE., Oakland. Garage.
Owner—M. Ebinger.
Architect—None.
Contractor—McWethy & Greenleaf, Albany Bldg., Oakland. $450

ALTERATIONS

(3499) E BROADWAY 150 N 15th, Oakland. Alterations.
Owner—H. C. Capwell Co.

Architect—Wm. Knowles, Central Bk. Bldg., Oakland.
Contractor — O. V. Fortin and H. B. Henderson. $2138

ALTERATIONS
(3500) E BROADWAY 225 N 15th, Oakland. Alterations.
Owner—Broadway Realty Co.
Contractor — O. V. Fortin and H. B. Henderson. $2146

ALTERATIONS
(3501) CITY HALL, Oakland. Alterations.
Owner—City of Oakland.
Architect—None.
Contractor—Schnebly & Hostrawser, th6 and Jackson Sts., Oakland. $2301

DWELLING
(3502) E CAMPBELL 350 N Seventh, Oakland. Two-story 6-room dwlg
Owner—Theodore Bernardi, 895 Willow St., Oakland.
Architect—None.
Day's work. $3500

GARAGES
(3503) NW COTTAGE AND OHIO, Oakland. Two one-story concrete garages.
Owner—D. L. Hilson, 1161 Alice St., Oakland.
Architect—None.
Contractor—H. P. Nelson, 1947 Blake St., Berkeley. $1600

DWELLING
(3504) W CLAREMONT AVE 300 N Chabot Road, Oakland. One-story 7-room dwelling.
Owner — Mrs. E. M. Robinson, 6434 Benvenue, Oakland.
Architect—None.
Contractor—John Gaba, 5535 Hermosa St., Oakland. $5000

DWELLING
(3505) W EIGHTY-SECOND AVE 125 N B St., Oakland. One-story 4-room dwelling.
Owner—Antonio Decorte, 8308 Blanche St., Oakland.
Architect—None.
Day's work. $500

GARAGE
(3506) N E-FOURTEENTH 120 E 44th Ave., Oakland. One-story brick garage.
Owner—Studley & McMenemy.
Architect—None.
Contractor—Oakley & Kolmodin, 1911 65th Ave., Oakland. $5500

DWELLING
(3507) W FORTY-FIFTH AVE 58 S Melrose Ave., Oakland. One-story 4-room dwelling.
Owner—E. O. Francis, 3940 E-14th St., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(3508) NO. 1510 HIGH, Oakland. Two-story 4-room dwelling.
Owner—Joe Fignare.
Architect—None.
Contractor — A. McDonald, 1531 Franklin St., Oakland. $87[illegible]

DWELLING
(3509) E HARRINGTON 300 N San Juan, Oakland. One-story 3-room dwelling.
Owner—John Day, 3827 San Juan St., Oakland.
Architect—None.
Contractor—O. Larsen, Niles, Cal. $7[illegible]

DWELLING
(3510) S MANDANA BLVD. 656 W Mandana Path, Oakland. One-story 6-room dwelling.
Owner — G. H. Boore, 703 Mandana Blvd., Oakland.
Architect—None.
Day's work. $4000

ALTERATIONS
Oakland Alterations.
(3511) SE NINTH AND BROADWAY, Oakland. Alterations.
Owner—United Meat Co.
Architect—None.
Contractor—Oakland Ref. & Butcher Supply Co., 2766 Grove St., Oakland. $500

ALTERATIONS
(3512) NO. 470 NINTH ST., Oakland Alterations.
Owner—Sanitary Market.
Architect—None.
Contractor—Mowat Ref. Co. $500

DWELLING
(3513) S. TAFT AVE. 300 E. Broadway, Oakland. One-story 6-room dwelling.
Owner—Carpenter & West, 5643 College Ave., Oakland.
Architect—None.
Contractor—R. L. Robins, 5717 Broadway, Oakland. $4000

ALTERATIONS, ETC.
(3514) 1127 3RD AVE., Oakland. Alterations and addition to building and erect garage.
Owner—Ray B. Johnson.
Architect—None.
Contractor—M. H. Fish, 1333 Fountain St., Alameda. $7894

DWELLING
(3515) E 39TH AV., 300 N. Bayo Av., Oakland. One-story 1-room dwelling.
Owner—Mrs. E. E. Berry, 4002 3rd Ave., Oakland.
Architect—None.
Contractor—G. H. Lewis, 2402 E. 27th St., Oakland. $400

APARTMENTS
(3516) SE COR VALLE VISTA AND Elwood, Oakland. Two-story 15-room apartments.
Owner—S. Usevich, 472 Valle Vista Ave., Oakland.
Architect—None.
Day's work. $10,500

DWELLING
(3517) W. WILSON AVE. 43 S. Hopkins St. S 83-7 W 130 N 126-7 E 30 S 43 E 100, Oakland. One-story 4-room dwelling.
Owner—L. C. and Genevieve Anita Webb, 3320 Davis St., Oakland.
Architect—Not given.
Contractor—Jos. Flittner, 1700 35th Ave., Oakland.
Filed Oct. 11, '21. Dated Oct. 11, '21.
Frame up $550
Brown coated 550
Ready for painting 550
Completed and accepted..... 550
Usual 35 days 300
TOTAL COST, $2500
Bonds, sureties, none; forfeit, $1 day; limit, 60 days after Oct. 12. Plans and specifications filed.

FLATS
(3518) S BROOKLYN AVE AND NW Park Blvd W 100 SE to pt 100 SW pt begin NE 100, Oakland. Two-story flats.
Owner—Chris and Bertha Ugland, 130 E. 11th St., Oakland.
Architect—Not given.
Contractor—Earl B. Leonard, 589 Kenmore Ave., Oakland.
Filed Oct. 11, '21. Dated July 11, '21.
Ready for lath $2400
Plastered 2400
Completed and Accepted..... 2400
TOTAL COST, $7200
Bonds, sureties, forfeit limit, plans and specifications, none.
NOTE—Permit reported July 13, 1921, No. 2346.

DWELLING
(3519) LOT 107 NOVA PIEDMONT Tract, Piedmont. Two-story 6-room dwelling.
Owner—Joseph A. Cianciamio, 812 Broadway, Oakland.
Architect—Not given.
Contractor—Gordon Wiser, 1523 Virginia St., Oakland.
Filed Oct. 11, '21. Dated Oct. 11, '21.
Roof completed ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4025
Bond, sureties, forfeit, none; limit 90 days. Plans and specifications filed.

DWELLING
(3520) LOT 106x80 ON NW COR Lewiston and Alcatraz Aves., Berkeley. Two-story dwelling.
Owner—Jeanette A. and Forrest A. Kauffman, 2828 Cherry St., Oakland.
Architect—Not given.
Contractor—John A. Bischoff, 2717 Russell St., Berkeley.
Filed Oct. 11, '21. Dated Oct. 5, '21.
Owner pays bills.
Contractor gets—
30 days $500
60 days 500
90 days 500
Balance on completion.
COST PLUS 10%
Bond, sureties, forfeit, none; limit, 120 days. Plans and Specifications filed.

DWELLING, ETC.
(3521) LOT 18 BLK A MAP ELMwood Park, Berkeley. One-story 6-room dwelling and garage.
Owner—Frank Joseph Kockritz and Ida B. Kockritz, 1518 Grant, Berkeley.
Architect—Not given.
Contractor—Harry C. Knight, 388 12th St., Oakland.
Filed Oct. 10, '21. Dated Oct. 4, '21.
Rafters in place $1000
Brown coated 1500
Int. finish on job..... 1500
Completed and accepted 1750
Usual 35 days 900
TOTAL COST, $6650
Bonds, sureties, forfeit, none; limit, 75 days. Plans and specifications filed.

DWELLING
(3522) LOT 10 BLK "C" Bellevue Tract, Alameda. All work for one-story 5-room dwelling.
Owner—George C. and May A. Addison, 2361 E-22nd St., Oakland.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Oakland.
Filed Oct. 11, '21. Dated Sept. 27, '21.
Rafters in place..... $1000
Balance when loan secured....
TOTAL COST, $4[illegible]
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

DWELLING
1032 MARIPOSA, Berkeley. One-story 5-room dwelling.
Owner—C. R. McKee, 1921 Francisco St., Berkeley.
Architect—A. Haas.
Contractor—Thos. A. Cuthbertson, 1766 12th Ave., San Francisco. $5350
NOTE—Recorded contract reported Oct. 10, 1921, No. 3490.

BUNGALOW
(3523) RICARDO AVE., Piedmont. One-story bungalow and garage.
Owner—C. F. Ford.
Architect—None.
Contractor—L. L. Lucas, 555 59th St., Oakland. $3000

ALTERATIONS
(3524) NO. 1513 ALCATRAZ AVE., Berkeley. Alterations.
Owner—Mrs. H. Lekemo, Premises.
Architect—None.

Contractor—J. R. Hale, 1882 Harmon St., Berkeley. $800

ALTERATIONS
(3525) NO. 1928 HOME ST., Berkeley. Alter dwelling into apartments.
Owner—Miss Moore, Premises.
Architect—None.
Contractor — E. T. Leiter & Son, 3601 West St., Berkeley. $2500

DWELLING
(3526) E OXFORD 250 N Cedar, Berkeley. Two-story 6-room dwelling
Owner—P. L. Crane, 2695 Cedar St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(3527) NO. 1743 SAN PEDRO AVE., Berkeley. One-story 5-room dwlg.
Owner—Clinton R. Morse, Elks' Club, Berkeley.
Architect—None.
Contractor — Harry W. Hind, 2012 Channing Way, Berkeley. $4000

ALTERATIONS
(3528) NO. 1416 BROADWAY, Alameda. Alterations.
Owner—Mrs. Geo. D. Waggner, Prem.
Architect—None.
Contractor — E. A. Randlett, 1534 Chestnut St., Alameda. $2500

DWELLING
(3529) NO. 3271 CENTRAL AVE., Alameda. One-story 3-room dwelling.
Owner—Mrs. F. Hill, 3269 Central Ave., Alameda.
Architect—None.
Contractor—J. T. Cowart, 3275 Central Ave., Alameda. $1850

DWELLINGS
(3530) NO. 1800-4-8 PEARL ST., Alameda. Three one-story 5-room dwellings.
Owner—R. B. Mott.
Architect—None.
Contractor—R. C. Hillen, 5364 Trask St., Oakland. $3338.50 each

DWELLING
(3531) NO. 1033 PEARL ST., Alameda. One-story 5-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $3500

DWELLING
(3532) NO. 470 LINCOLN AVE., Alameda. One-story 4-room dwelling.
Owner—J. B. Reite, 1561 5th St., Ala..
Architect—None.
Contractor—O. C. Reite, 3276½ Briggs Ave., Alameda. $3000

ADDITION
(3533) NO. 2110 LINCOLN AVE., Alameda. Addition.
Owner—J. A. Morris, Premises.
Architect—None.
Contractor—Leo F. Kochendorfer, 2204 Lincoln Ave., Alameda. $500

ALTERATIONS
(3534) NO. 1547 ST. CHARLES ST., Alameda. Alterations.
Owner—H. S. Godfrey, Premises.
Architect—None.
Contractor—H. Lockwood, 717½ Haight Ave., Alameda. $800

DWELLING
(3535) NO. 1408 SAN JOSE AVE., Alameda. One-story 6-room dwelling.
Owner—Hally & Co., 2315 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $3500

DWELLING
(3536) NO. 880 WALNUT ST., Alameda. One-story 5-room dwelling.
Owner—Geo. A. Addison, 2436 22nd St., Oakland.
Architect—None.
Contractor—H. C. Knight, 2265 Powell Blvd., Alameda. $4300

DWELLING
(3537) NO. 2624 WASHINGTON ST., Alameda. One-story 5-room dwlg.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $3500

ADDITION
(3538) CAL. COTTON MILLS, Oakland. Addition.
Owner—Cal. Cotton Mills, 23rd Ave. & Kennedy, Oakland.
Architect—None.
Day's work. $400

DWELLING
(3539) N. CALIFORNIA ST. 166 E. Maple. 1½-story 5-room dwelling.
Owner—L. Zwaal, 3076 California St., Oakland.
Architect—None.
Day's work. $3000

ADDITION
(3540) 4527 ELLEN, Oakland. Addition.
Owner—F. H. Conant, Premises.
Architect—None.
Contractor—Hauri & Wierk, 822 56th St., Oakland. $925

ADDITION
(3541) 3518 E. 12TH ST., Oakland. Addition.
Owner—N. Marianno.
Architect—None.
Contractor—P. J. Torre, 1328 86th Ave., Oakland. $1500

DWELLING
(3542) W. EDGEWOOD AVE. 160 S. Hollywood, Oakland. One-story 5-room dwelling.
Owner—Miss Myrtle Harmon, 1749 4th Ave., Oakland.
Architect—W. R. Yelland, Perry Bldg., Oakland.
Contractor—A. T. Hendricks, 47 Fairview Ave., Piedmont. $4330

ADDITION
(3543) 625 ELDORADO AVE., Oakland. Addition.
Owner—N. H. Spaulding.
Architect—None.
Contractor—H. A. Reiman, 731 Market St., Oakland. $450

DWELLING
(3544) W. 46TH AVE. 77 S. Melrose Ave., Oakland. One-story 5-room dwelling.
Owner—Walters & Hill, 1600 High St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(3545) N. 44TH ST., 600 W. Telegraph, Oakland. One-story 5-room dwelling.
Owner—D. Ferero, 2947 West St., Oakland.
Architect—None.
Contractor—H. Malley, 2947 West St., Oakland. $5000

DWELLING
(3546) S. FOOTHILL BLVD. 260 W. Fairfax, Oakland. One-story 6-room dwelling.
Owner—Joe Paners, E. 38th St. and Everett Ave., Oakland.
Architect—None.
Contractor—C. F. Lodge, 5494 Bond St., Oakland. $3700

DWELLING
(3547) SW COR. FRUITVALE AND Whittle, Oakland. One-story three-room dwelling.
Owner—Marie Schumann, 3764 Fruitvale Ave., Oakland.
Architect—None.
Contractor—H. D. Sherman, 1637 Vista St., Oakland. $1800

GARAGE
(3548) 1493 HARRISON ST. One-st y concrete garage.
Owner—Cross Investment Co.
Architect—None.
Contractor—H. J. Christensen, Fe al Bldg., Oakland. $30

ADDITION
(3549) 2333 HARRISON BLVD., C land. Addition to church.
Owner—Seventh Church of Christ, entist.
Architect—Chas. W. McCall, Cen Bank Bldg., Oakland.
Contractor—H. C. Andreson, 1229 T St., Alameda.

DWELLING
(3550) S. HOPKINS ST. 100 W. son, Oakland. One-story 4-r dwelling.
Owner—G. A. and L. C. Webb, Davis St., Oakland.
Architect—None.
Contractor—Jos. Flittner, 1700 Ave., Oakland.

APARTMENTS
(3551) N. LAKE PARK AVE. 75 Rand Ave., Oakland. Two-s 16-room apartments.
Owner—A. W. Kiel, 239 E. 16th Oakland.
Architect—W. E. Schirmer, Th Bldg., Oakland.
Contractor—Alfred Peterson, 3918 wood Ave., Oakland. $15

DWELLING
(3552) N. MANDANA BLVD. 600 Calmar, Oakland. One-story room dwelling.
Owner—P. E. Woodburn, 3965 G wood Ave., Oakland.
Architect—None.
Day's work.

DWELLING
(3553) N. NEY AVE. 250 E. Pa Ave., Oakland. One-story 4-r dwelling.
Owner—Kathrine Curtis, 7808 Hill St., Oakland.
Architect—None.
Contractor—C. A. Curtis, 7808 Hill St., Oakland.

DWELLING
(3554) E. 34TH AVE. 150 N. Pax Oakland. One-story 4-room dw ing.
Owner—J. E. Fennacy, 2524 34th A Oakland.
Architect—None.
Day's work.

ADDITION
(3555) 2024 27TH AVE., Oakland. dition.
Owner—W. A. Zimmerman.
Architect—None.
Day's work.

DWELLING
(3556) W. VICKSBURG 100 S. Ave., Oakland. One-story 5-r dwelling.
Owner—J. Bloodworth, 5005 Cong Ave., Oakland.
Architect—None.
Day's work.

DWELLING
(3557) E. WOODLAND AVE. 163 Kempton Ave., Oakland. One-s 5-room dwelling.
Owner—Geo. G. MacKinnon, Ea Bldg., Oakland.
Architect—None.
Contractor—C. T. Roscrane, 859 St., Oakland.

DWELLING
(3558) W. WEST ST. 65 N. 47th Oakland. One-story 5-room dw ing.
Owner—E. E. Smith, Syndicate Bl Oakland.

itect—None.
tractor—J. E. Sprague, 1529 Alice St., Oakland. $2800

RECORDED

ELLING .....
9) N. MAXWELL ST. 160 E. Brookdale, being Maxwell Park. Oakland. One-story dwelling.
er—William Souza, 1929 47th Ave., Oakland.
itect—F. H. Slocombe, 1st Savings Bank Bldg., Oakland.
tractor—A. Frederick Anderson, 4332 Leach Ave., Oakland.
d Oct. 13, '21. Dated Oct. 11, '21.
t day each month.....75%
mpleted and accepted.....85%
sual 35 days .....Balance
TOTAL COST, $5980
d, sureties, forfeit, none; limit, 90 . Plans and specifications filed.
OTE:—Permit also applied for to-

COMPLETION NOTICES

ALAMEDA COUNTY

orded / orded	Accepted / Accepted
13, 1921—LOT 7 BLK 14, Map akeside Sbdvn Adams Point pty. R E and Ethelza M Henra- n to whom it may concern..... .....Oct. 11, 1921	
13, 1921—LOT 2 BLK 4 Map aremont, Berkeley. May W Mc- illin to Roy O Long Co..... .....Sept. 26, 1921	
11, 1921—LOT 33 Map Oakland ospect Homestead, Okd. Emma Land to whom it may concern.. .....Sept. 20, 1921	
11, 1921—W 25 LOT 14 and E 62 t 13 Resbdvn Lots 18 to 27 in- sive. Map Crocker Tract, Pied- ont Regula Hoffman to L L acas.....Oct. 11, 1921	
11, 1921—LOT 15 BLK 10, North- ne. Berkeley. O E Heino to hom it may concern...Oct. 10, 1921	
11, 1921—LOT 11 BLK "M" Map st Piedmont Heights, Oakland. uis W Roth to whom it may ncern .....Sept. 1, 1921	
10, 1921—W BROADWAY AND llege Ave 126x88, Oakland. As- ciated Oil Co to Alfred H Vogt .....Oct. 3, 1921	
11, 1921—LOT 26 and SE ½ Lot Resbdvn Lots 22, 23, 24 Map ngsland Tract, Oakland. Geo K olloway Sr to whom it may con- rn.....Oct. 8, 1921	
8, 1921—S PRINCE ST 320 E llege Ave thence along Prince 54.78 S 110, Berkeley. Juliette Savage to George W. Nunes, ameda .....Aug. 6, 1921	
8, 1921—1538 EVERETT AVE, kland. F. M. Niles to whom it ay concern .....Oct. 8, 1921	
16, 1921—S BIRCH bet. 92nd and th Aves. Oakland. F W Stephens Antone Andersen.....Oct. 5, 1921	

LIENS FILED

ALAMEDA COUNTY

orded	Amount
13, 1921—PTN BLK 7, Patter- n Ranch, Brooklyn Tp. M G and J McGriffin (Fruitvale Electric o) vs Gus Steffens, James J and ffa M Pollard.	$285.94
13, 1921—S FOOTHILL BLVD 0 yards E Inez Road, 100x200. — Chas B Daniels vs Joseph nd Alice Miller	$216.80
11, 1921—PTN BLK 7, Patterson anch. A T Smith vs G Steffens, ames J and Effa M Pollard..	$774.30

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded	Amount
Oct. 7, 1921—LOT 5 BLK "X" Map Toler Heights, Oakland. Geo W Purbeck to Clifford L and Leslie May Hewitt	$21

Notice of Non-Responsibility

ALAMEDA COUNTY

Oct. 10, 1921—SW TWELFTH AND Broadway, Oakland. Levy Estate Co as to improvements on property

Oct. 6, 1921—POINT OPP. AND AT right angles to Engineer Station 1072 plus 57 SE 576.3 SW 25.3 NW 228.65 NW 392.3 NE 28.6. Southern Pacific Co. as to improvements on property.....

HOMESTEADS

ALAMEDA COUNTY.

Oct. 13, 1921—PTN LOT 1 BLK E Map Vernon Park, Oakland. A S Behm $6000

Oct. 11, 1921—W 41 LOT 20 BLK C Map Property Berkeley Homestead Ass'n., Berkeley. Gretchen B Kelly (wf Edgar Albert).....$5000

Oct. 10, 1921—LOTS 14 AND 15 BLK 24, Map Warner Tract, Oakland. Mary L Hasley (wf Henry)....$2500

Oct. 11, 1921—LOT 5 BLK "A" Map Valley View Tract, Okd. Lillian Clark Owens (wf William).....$3000

Oct. 8, 1921—NE E-30TH ST 128 NW 21st Ave NW 122 NE 221-6, Oakland. Sophie U. Johnson, wife Ben O.....$15,000

Oct. 8, 1921—N PACIFIC AVE 450 E Chestnut St E 50 N 150, Alameda. Gusta Nelson, wife of John...$5,000

Oct. 6, 1921—W FORTY-SIXTH AVE 684 N E-14th N 35xW 115, Oakland. Nils Anderson $4000

Oct. 6, 1921—W McGEE AVE 60 N Delaware W 85xN 40, Berkeley. Aida M Fulford (wf Thomas B) $5000

BUILDING CONTRACTS

SACRAMENTO COUNTY

WAREHOUSE
1222 2ND ST., Sacramento. One-story warehouse.
Owner—Crane Co., 1st and "M" Sts., Sacramento.
Architect—None.
Contractor—Geo. D. Hudnutt, California Fruit Bldg., Sacramento. $11,000

REPAIRS
2115 "I" St., Sacramento. Repairs.
Owner—Pearl T. Jones, 1816 "L" St., Sacramento.
Architect—None.
Contractor—Simmons & Chase. $6000

BRICK ADDITION
2719 SACRAMENTO BLVD., Sacramento. Brick addition.
Owner—F. P. Dideo, 3420 2nd Ave., Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura Way, Sacramento. $6700

RESIDENCE
NO. 2726 J ST., Sacramento. Two-story frame residence.
Owner—Paul Fletcher, 2804 I St., Sacramento.
Architect—None.
Contractor—Betz & Mabrey, 324 Ochsner Bldg., Sacramento. $15,576

CHURCH
SACRAMENTO. Brick church.
Owner—Greek Community of Sacramento and vicinity.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Contractor—Jas. L. McLaughlin, 251 Kearny St., San Francisco. $12,300
Filed Oct. 4, '21. Dated Sept. 28, '21.

DWELLING
NO. 1051 FORTY-SECOND ST., Sacramento. One-story 5-room frame dwelling.
Owner—J. A. Sowell, 1519 17th St., Sacramento.
Architect—None.
Contractor — Birdsall & O'Brien, 2215 13th St., Sacramento. $5000

DWELLING
NO. 1300 FORTIETH ST., Sacramento. Two-story 5-room frame dwelling
Owner—Elmer F. Leavitt, 1223 F St., Sacramento.
Architect—None.
Contractor—A. L. Johnson, 2605 Portola Way, Sacramento. $6113

BUILDING
PARKER AVE., Sacramento. Two-story brick building.
Owner—A. W. Clifton.
Architect—None.
Contractor—Betrz & Mabrey, Ochsner Bldg., Sacramento. $——
Filed Oct. 1, '21. Dated Sept. 21, '21.

DWELLINGS
NO. 2984 TWENTY-FOURTH ST., 316 Twenty-fifth St., 416 Twenty-fourth St., and 1900 Thirteenth St., Sacramento. Four one-story five-room dwellings.
Owner—Chas. E. Wright, 817 J St., Sacramento.
Architect—None.
Day's work. $2500 each

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
NO. 3707 HUNTINGTON AVE., Fresno. Dwelling.
Owner—E. M. Prescott, 3343 Kerckhoff St., Fresno.
Architect—None.
Contractor—Shorb & Meads, 627 McKinley Ave., Fresno. $13,000

DWELLING
NO. 1235 SAN PABLO AVE., Fresno. Dwelling.
Owner—Geo. A. Robbins, 1420 Englewood, Fresno.
Architect—None.
Day's work. $5000

DWELLINGS
NO. 2827 AND 3819 ILLINOIS AVE., Fresno. Two frame dwellings.
Owner—M. C. R. Nelsen, 1766 L St., Fresno.
Architect—None.
Day's work. $3500 each

STORE
NO. 1814 VAN NESS AVE., Fresno. Store.
Owner—I. Trelman.
Architect—None.
Contractor—M. C. R. Nelson, 1766 L St., Fresno. $10,000

ALTERATIONS
GAS PLANT, Fresno. All work for extension to office, meter and booster building.
Owner—Pacific Gas & Electric Co.
Architect—None.
Contractor—R. P. Fisher and H. W. McNulty.
Filed Oct. 7, '21. Dated Oct. 1, '21.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, $3497
Bond, $1750. Surety, Massachusetts Bonding & Insurance Co. Limit, none. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
Oct. 8, 1921—LOTS 17 AND 18 BLK 4, Fresno Home Addition, Fresno. J E Cregor to whom it may concern.....Oct. 8, 1921

LIENS FILED

FRESNO COUNTY

Recorded Amount
Oct. 8, 1921—LOTS 13 AND 14 BLK 53, Fresno. E D Rice vs Hart & Hart and Joe Olivers.....$35
Oct. 6, 1921—LOTS 9 AND 10 BLK 4, Grand Ave Park Addition, Fresno. Madrays Planing Mill vs O Murigida, R A Valalaro and Ada E Osborne $125
Oct. 6, 1921—GRAND AVE Park Addition, Lots 9 & 10 Blk 4, Fresno. Valley Lumber Co vs Ada E Osborne, R A Valalaro(Onofrio Murgida and Avedis Hagopian $242

BUILDING CONTRACTS

SANTA CLARA COUNTY

COTTAGE
LOS GATOS. All work for one-story frame cottage, garage and septic tank.
Owner—Leland H. Walker, First Natl Bank Bldg., San Jose.
Architect—C. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor — J. Earle McCombs, 214 Hobson St., San Jose.
Filed Oct. 5, '21. Dated Oct. 3, '21.
Rafters up $1600
Plastering completed 1600
Completed and accepted..... 1600
Usual 35 days..... 1650
TOTAL COST, $6450
Bond, $3225. Sureties, John C. McCombs and Glen C. McCombs. Limit, forfeit, none. Plans and specifications filed.

DWELLING
TENTH AND WASHINGTON STS., San Jose. Three-room dwelling.
Owner—E. H. Parker.
Architect—None.
Day's work. $985

ALTERATIONS
NO. 51 N-SIXTH ST., San Jose. Alterations.
Owner—J. Calice, Premises.
Architect—None.
Contractor—W. J. Moore, 75 Duane St., San Jose. $1000

ALTERATIONS
NO. 179 ORCHARD ST., San Jose. Alterations.
Owner—Leo Sullivan, Premises.
Architect—None.
Contractor—W. J. Moore.75 Duane St., San Jose. $500

ADDITION
NO. 162 S-FIRST ST., San Jose. Addition.
Owner—Melvin, Roberts & Howarth, Premises.
Architect—Binder & Curits, 255½ S-1st St., San Jose.
Contractor—T. J. Lannin, 312 S-9th St., San Jose. $5400

COTTAGE
N-THIRD ST., San Jose. Four-room cottage.
Owner—J. Heinlen Co., 580 N-First St., San Jose.
Architect—None.
Day's work. $1950

ADDITION
NO. 731 N-TWELFTH ST., San Jose. Addition.
Owner—Pietro Schifano.
Architect—None.
Contractor—G. Leone. $500

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Oct. —, 1921—PALO ALTO. W L Holman to The Minton Co.Oct. 4, '21
Oct. 5, 1921—LOT NO. 29, Piedmont Map 2 being ptn of Section 12 T S. 8 S. R 2, W. M. D. M., Santa Clara County. Gertrude French Scott to Anton M Jensen.....Sept. 24, 1921

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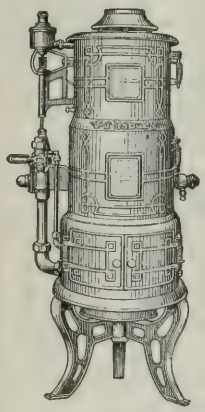
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BUILDING CONTRACTS

SAN JOAQUIN COUNTY

ALTERATIONS
PINE AND CALIFORNIA STS., Stockton. Remodel.
Owner Mary Risso, 2311 N-California St., Stockton.
Architect—None.
Day's work. $1000

RESIDENCE
WEST PINE ST., Stockton. Residence and garage.
Owner—J. W. Pearce, 635 N-California St., Stockton.
Architect—None.
Day's work $8600

WAREHOUSE
STOCKTON CHANNEL, Stockton. Warehouse.
Owner—Santa Fe Railroad Co., Stockton.
Architect—None.
Day's work. $30,000

RESIDENCE
NORTH SAN JOAQUIN ST., Stockton. Residence and garage.
Owner—Chas. Finkbohner, 525 E-Fremont St., Stockton.
Architect—None.
Day's work. $8000

STORE ROOMS
VAN BUREN AND SOUTH STS., Stockton. Storerooms.
Owner— Ray Friedberger, Yosemite Club, Stockton.
Architect—None.
Day's work. $3500

APARTMENTS
SOUTH EL DORADO ST., Stockton. Apartments.
Owner—S. Dal Porta, 419 S-El Dorado St., Stockton.
Architect—None.
Day's work. $7500

RESIDENCE
NO. 649 EAST SOUTH ST., Stockton. Residence.
Owner—E. M. Jenkins, 548 W-Acacia St., Stockton.
Architect—None.
Day's work. $1600

HOTEL, ETC.
SOUTH CENTER ST., Stockton. Office and hotel building.
Owner—Josiah C. Caine, 27 S-El Dorado St., Stockton.
Architect—None.
Day's work. $25,000

ALTERATIONS
NO. 1048 SOUTH CENTER ST., Stockton. Remodel.
Owner — Nathan Sweet, 25 W-Worth St., Stockton.
Architect—None.
Day's work. $1500

REPAIRS
NO. 321 SOUTH CENTER ST., Stockton Repairs.
Owner—J. P. Gilbeau, Stockton.
Architect—None.
Day's work. $1000

BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW
PTN LOT 7 BLK 5, Western Addition town of San Mateo, San Mateo. All work for frame bungalow with basement and garage.
Owner—Francis and Pauline Robinson.
Architect—James Keegan, 21 North E St., San Mateo.
Contractor—James Keegan, 21 North E St., San Mateo.
Filed Oct. 11, '21. Dated Oct. 2, '21.
Frame up and roof sheathed....$1125
1st coat plaster on..... 1125
Completed 1125
Usual 35 days..... 1125
TOTAL COST, $4500
Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded **Accepted**
Oct. 8, 1921—LOT "E" of Ptn Map Selby Tract, Atherton. Wm G Oesting to Charles Pedersen.....
.....Oct. 7, 1921
Oct. 7, 1921—LOT 1 BLK 7, Central Addition, San Mateo. Lenora E Bale to J E Bale.....Oct. 6, 1921
Oct. 5, 1921—E COUNTY ROAD AND Peninsula Ave, San Mateo (Peninsula Ave. School). San Mateo School District to Frederick W Snook Co.....Sept. 15, 1921

LIENS FILED

SAN MATEO COUNTY

Recorded **Amount**
Oct. 11, 1921—NO. 1109 EL CAMINO Real, Burlingame. Com W side El Camino Real 100 fm N line Carolelto Ave N 50' W 120' S 50' th E 120' L C P Wilson vs Austin Green $492.50

HIGHWAY TESTS EXPLAINED BY ENGINEER ALDRICH

Highway tests now being conducted by the Columbia Steel Company at Pittsburgh, Cal., were explained to the members of the Optomist Club at their luncheon in the Hotel St. Francis, Sept. 27, by Lloyd Aldrich, engineer in charge of the tests. The talk was illustrated by moving pictures.

Thirteen different types of highway construction are being tested out at the plant at Pittsburgh, said Aldrich. The unique feature of these tests, he said, is the observation of the flexure of the slabs under load by means of tunnels under the road. This has never been done before, he declared, and it is expected by this means to gain much valuable information regarding the action of roads under strain.

No Highway Research

"There has never been any highway research in California," said Aldrich. "These tests will answer many questions long in doubt and will undoubtedly result in the discovery of a type of highway construction which will stand the heavy truck traffic to which the California roads are subjected.

"Adobe soil, such as prevails in many parts of California, is the cause of much trouble to the road builders. When this soil dries after heavy rains it hardens and cracks. It has been found that ordinary cement roads built on this soil crack and crumble. It is to find a type of road that will meet these difficulties that we are conducting our tests.

Different Types Tested

"Several of the roads under test are of the reinforced concrete type. Steel rods are set in the concrete to make the surface more flexible and lasting.

"The entire cost of these experiments is being borne by the Columbia Steel Company, and much of the machinery and equipment has been donated by firms desirous of perfecting their product."

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SAN FRANCISCO, CAL., OCTOBER 22, 1921

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Twenty-first Year, No. 43

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CAL., OCTOBER 22, 1921 — Twenty-first Year, No. 43

Building & Engineering News

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J. P. FARRELL, Managing Editor

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Official Paper of Vallejo Builders' Exchange

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Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

Builders' Exchange Meeting

An informal meeting of the San Francisco Builders' Exchange was held on October 19th. A very interesting talk was given by Mr. Charles V. Gompertz, the president, telling the members of the progress the Exchange and Central Council has made during the last six months and the increase in membership of the Exchange to 600 members, which speaks well for its officers.

It was voted to appoint a committee to arrange for the annual banquet of the Exchange, which will take place in the near future.

The establishment of a school for apprentices was also discussed. Talks were made by William George of the Henry Cowell Lime & Cement Company; William Hague, Secretary of the Oakland Builders' Exchange, and [illegible] Cleghorne of the Edward L. Sailor Company.

BARS FOR CONCRETE REINFORCEMENT

The suggestion has been made more than once that steel bars used for the reinforcement of concrete ought to be cleaned of surface rust before being placed in position. Experiments covering over periods ranging up to hundreds of years, however, show that [illegible] and complete [illegible] ment of good quality. A thin film of [illegible] on the surface of a bar [illegible] and the process of [illegible] appears to be definitely arrested [illegible] has been found, in fact, that slight [illegible] film of rust on the surface. Therefore, the cleaning of bars does not present an acceptable alternative, and it is fairly certain that no paint or anti-rust preparation would be perfectly impermeable or permanently durable, while the adoption of galvanized metal would be objectionable for the same and other reasons.—The Times Engineering Supplement (London), November, 1920.

61,000 Miles of Road in California; Public Roads Bureau Compiles Data

There are approximately 61,000 miles of dedicated roads of all kinds in California and of this mileage 9% or 5,500 are in the State highway system. The maintenance of this tremendous State system is a constantly growing problem as the mileage of improved highways increases. At present over 3200 miles are constructed and under maintenance, but the traffic is doubling every thirty months, without any proportionate increase in funds for maintenance. The road problem is fast becoming of first importance among governmental activities, and it requires no stretch of the imagination to visualize the entire nation fretted with improved and semi-permanent highways.

Realizing the importance of the subject, the Federal Bureau of Public Roads, which recently made a survey of the California State system showing our present State paved roads earning us $20,000,000 per year, is undertaking a project of ascertaining the total mileage of rural and urban highways in the United States, the character and extent of their improvement and the origin and disbursement of funds for their improvement and maintenance. In speaking of the project, the Federal bureau says:

"The need for such a survey is most urgent. The whole matter of Federal co-operation in road construction is now under consideration in Congress While there are a number of conflicting opinions as to the methods which should be adopted by the Government, it is practically certain that future Federal participation will be limited to a small percentage of the roads of the country. To provide a basis for future action by the Government it is imperative that an accurate picture of the present highway situation be obtained both with respect to the whole field to be covered and also as to the part of the work that has already been done.

"From the standpoint of the States and local communities themselves, it is highly desirable to collect for purposes of reference, information as to the methods of administration and financing employed by every community. The States have set out to build extensive State road systems; counties and local communities are voting large amounts of bonds and taxing themselves to the limit in order to raise funds for the betterment of their roads. In the main, each State and each community is proceeding to the solution of its own local problems with no conception of what the other is doing. Every State and every community will gain by a better knowledge of what is being done elsewhere, particularly in respect to methods of administration and financing. Common council is a wonderful solvent of difficulties, and the survey which is being undertaken will serve as the means for an interchange of ideas which should be most beneficial to every community and to the Nation as a whole.

"The Bureau believes that, with the total annual road and street expenditures rapidly approaching the billion-dollar mark, it is time that the Nation made a careful survey of the entire field of public highway activities in order that it may have at least as much accurate information in regard to the essential features of our highway work as a private organization would hold absolutely indispensable in the interest of common sense, efficiency, and economy. The present plans provide not only for securing these data for this year, but look forward to keeping this information up to date."

The Bureau of Public Roads has 13 Federal district offices which exercise control over Federal-aid projects throughout the Nation. It is proposed to make these offices the centers for gathering the data from the States comprising each district.

SAFETY CODE FOR COMPRESSED AIR MACHINERY

The American Society of Safety Engineers has been designated as sponsor for a Safety Code for Compressed Air Machinery by the American Engineering Standards Committee. The code will include rules for the construction and use of compressed air pipe lines and the utilization apparatus where compressed air is the active agent. In accordance with the usual procedure the code will be formulated by a committee composed of representatives designated by the various bodies interested.

This work is being undertaken as part of a comprehensive program of safety codes in process of formulation under the auspices and rules of procedure of the American Engineering Standards Committee. The American Society of Safety Engineers was appointed sponsor for the Code for Compressed Air Machinery on the recommendation of the National Safety Code Committee.

There are 17,975 pieces of gold in the dolphins of the castle [illegible] Stag to be [illegible] at Nagoya in 1921.

Vehicular traffic on highways in France keeps to the right, while railway traffic keeps to the left.

More mahogany is used in the United States than in all other countries of the world combined.

The Observer

A. B. McWhorter has been elected president of the Building Material Dealers' Association of Fresno, replacing Clarence Foin, the retiring executive. Other officers are: C. C. Courtwright, vice-president; L. J. Allen, secretary-treasurer; Clarence Foin, S. L. Platt and V. Prince Brown, directors. The annual meeting of the association will be held Monday, November 14.

The American Engineering Standards Committee announces a conference on railroad cross ties and switch ties will be held October 25 in the Atlantic Building, Washington, D. C. The purpose of the conference is to decide (1) whether the unification of specifications for railroad cross ties and switch ties shall be undertaken, (2) if so, what the scope of the work shall be, (3) how the work shall be organized. The conference was called at the request of the American Railway Engineering Association and the Forest Service of the U. S. Department of Agriculture.

Suit for $50,000 damages has been filed in the Superior Court by John A. Murphy against the Red River Lumber Company, owners of a theatre at Susanville. Murphy says he was making $500 a month as a traveling salesman until October 14, 1920, when he fell through a trap door in the stage of the theatre, to a cement floor fifteen feet below. He says he was permanently crippled.

George M. Dodge has been appointed Marin County Surveyor, to fill the vacancy caused through the resignation of Charles Richardson.

Three commissioners have been selected by the Butte County Supervisors to re-assess lands in Reclamation District No. 833, Gridley, to raise $1,000,000 for a drainage system and complete other improvements. B. A. Etcheverry, expert to the State Reclamation Board; W. E. M. Beardsley, Sacramento, and E. W. Stanton, Live Oak, have been chosen.

Duncanson-Harrelson Co., contractors of San Francisco, are pressing claims for $5,682 against the U. S. Shipping Board for driving piles at the S. F. Shipbuilding Co.'s wharves. The claims were disapproved by the district manager of the Emergency Fleet Corporation.

A project for a new automobile highway over the Continental Divide, shortening the distance by automobile to San Francisco 155 miles, has been approved by the Colorado State Highway Commission. The plan contemplates construction of thirty-two miles of highway over Loveland Pass connecting the Pikes Peak Ocean-to-Ocean Highway at Red Cliff with the Denver-Georgetown Highway at Silver Plume. Mount Holy Cross, a famous scenic point in the State of Colorado, will be made accessible to motor travel for the first time by completion of the road.

The State Board of Forestry at Sacramento has obtained an option to purchase 394 acres of redwood timber in Humboldt County in accordance with the redwood conservation act passed by the last Legislature, it was announced by Solon H. Williams of the Forestry Board, October 11. The pu-r chase price is $60,000.

A warrant has been issued for the arrest of Joseph Ferraro on a charge of having obtained under false pretense lumber valued at $12,022 from the Hartwood Lumber Company. The complaint was sworn to by Theodore B. Lawrence, 301 Berry street. Lawrence stated that Ferraro represented that he owned $40,000 worth of grapes at Lodi. He is alleegd to have purchased the lumber on which he paid $1,000 when it was delivered.

The estimate for the construction of the Merced Irrigation District project, calling for the irrigation of 173,000 acres in Merced County, has been lowered from $14,000,000 to $12,000,000 by the California State Bond Certification Board, it is announced by F. J. Mountain, secretary of the board. Decreased cost of labor and materials and modification of district plans, which call for the impounding of the waters of the Merced River and the purchase of the Crocker-Huffman Company water system have made possible a cut of $2,000,000 in the estimate. The district may now hold its bond election. The plans call for the construction of a vast dam that will necessitate the removal from the Merced River the right-of-way of the Yosemite Valley Railroad at certain points.

The 1922 convention of the International Association of Fire Engineers will be held in San Francisco.

At a meeting of good roads boosters in Sacramento it was decided to start a campaign to raise $100,000 by popular subscription to assist Nevada in building a highway across the northern route. James K. O'Brien, president of the Utah-Nevada-California Highway Association, named the following committee: L. A. Nares, Fresno, chairman; Carl Lamus, Sacramento; Dudley Saeltzer, Redding; Ira A. Morris, Berkeley; Eugene Wilhoit, Stockton; S. F. B. Morse, Del Monte; Albert Anderson, San Francisco, and C. C. Cottrell, of the California State Automobile Association.

C. C. Kennedy, San Francisco engineer and former City Engineer of Berkeley, has filed suit against George B. Hund, Town Trustee of San Anselmo, asking $50,000 damages on libel charges. Kennedy was recently ousted as Town Engineer by Hund, following alleged charges by the latter that Kennedy had either falsified his accounts or was incompetent.

The R. C. Storrie Co., Crocker Building, San Francisco, submitted the lowest bid to the Seattle Board of Public Works for constructing a 11,000-foot tunnel for the Skagit Power Project, which will carry water from the damsite to the power house at Gorge Creek. The bid is $2,203,865. The tunnel will be driven through solid granite, 23 feet in diameter, and will be lined with a thick casing of concrete. Other bidders on the project were: Puget Sound Bridge and Dredging Co., $2,332,371, and Grant Smith & Co., $2,476,841.

The Monterey County Building Trades Council has voted to acce 7½ per cent cut, which was submi to the unions by the contractors materialmen several weeks ago an that time rejected by the unions. lowing the rejection of the 7½ cent cut, the contractors and mate men organized the "Monterey Co Builders' Association" and annou that a wage reduction of 10 per wou'd go into effect October Whether the association will pro with the 10 per cent cut in view of acceptance of the 7½ per cent re tion by the unions has not been de mined.

In time, all irrigation ditches be of concrete. That is the predic of A. M. Jensen of the firm of Je and Ross, consulting engineers Fresno, at a recent meeting of California Associated Concrete Manufacturers' Association, held Fresno. This type of construction pointed out, will prevent loss of w and damage to land which results f continued seepage from earth ditc "The time has arrived," Jensen clared, "when engineers can rec mend concrete pipe, because it reached a standard of production."

Huntington Park, Calif., has a Planning Commission, composed o B. Lowe, Lloyd L. King, H. E. M man, F. M. Letteney and F. A. Ching.

A "save the surface" campaign been inaugurated by the national sociations of paint and varnish m ufacturers in an effort to stimu the use of these materials.

U. S. Reclamation Service has rec mended to the Public Works Com tee of the President's Unemploym Conference that Congress be called on to appropriate $16,200,000 for sp ing up work on 11 irrigation proj in the West. These projects incl one in Oregon, one in Washington two in Idaho. Klamath, in Ore $1,000,000; Yakima, in Washington, 600,000; Boise, in Idaho, $1,200,000, Minidoka, in Idaho, $2,000,000.

It is reported in Martinez that Henry Cowell Lime and Cement Co perfecting plans for building exp mental concrete road at Cowell, Co Costa County. The roads, it is un stood, are to be built around the c pany property where heavy truck is done and various types of conc road construction is to be used. W the roads are finished, heavy tru will be operated over the roads for purpose of determining the type construction which best withstands heavy loads. A similar experime road was built recently by the Col bia Steel Company at Pittsburg an the near future the destruction of highway will be started.

An apparent reluctance on the of British housewives to take American household labor-saving vices is noted in the survey of market for these products rece received in this country. There is tle demand for electrical applian the report shows, because so houses in Great Britain are wired electricity.

Employment for the Unemployed; Effects of Excessive Competition

(A memorandum submitted to sident's Unemployment Confer-e by R. C. Marshall, Jr., Gen-l Manager of Associated Gen-l Contractors of America.)

rough a maze of interlocking fac- and their effects as shown by s, conferences and discussions g my service on the President's nployment Conference, can be seen eed of business coordination—co-ation absent for want of the co-ation that specialized industry res.

ovision for the two outstanding in our industrial evolution seems ng. These steps are: first, the ge during fifty years from an ultural to an industrial nation, a growth of urban population n small percentage to over fifty ent of the total, and from a rural lation practically independent of strial activity to a population of h more than one-half depends ely upon continuous industry, h on three occasions since 1900, ely 1907, 1914 and 1921, has been ed.

cond, the development of trusts production and distribution are led on a cooperative basis, that is, eration between producers, whole-s and retailers, in which the con-r gains little of the advantages of cooperation.

n it not be stated as a fact that a le industry may be operated prof-y by a combination where it buys r and materials in a competitive et and sells in a closed market? when all industries attempt to ate on such a principle they de-p a peak of high prices and the tab'e buyers' strikes which is the e of our present industrial inac-y.

combination of producers leads rally to a combination of middle- and the labor trusts now forming. h look so formidable, are an in-ble result. If I read the signs of times correctly, the present situ-n voices an incoherent demand consumers that if cooperation is e the accepted principle of our ness organization, then the con-r demands his share of its bene-If the foregoing is a correct state-t, then we face either a complete gn'ion of the cooperative princi-of conducting business in place of competitive, or a partial step in direction. I believe that com- recognition of the cooperative ciple involves a practical econom-evolution and that it would para- industry until we arrive at a sat-ctory solution of its many prob-; because, while we understand eration as affecting manufacturing distribution, we have hardly be- to think of its application to culture and the farmer will not mit the adoption of a principle ainst him on all the prod- he purchases and not applicable hose he produces.

Cooperation and Competition

am quite sure we are not ready for a radical step and question if we ready to apply the principles of eration to the production of the great raw materials, namely: coal lumber, oil and copper. I shall disappointed in this conference if oes not face this situation and rec-mend a step towards cooperative business organization. We must not be afraid of that step.

For thirty years we have floundered through a mass of restrictive legislation in an effort to compel competition as illustrated in the Interstate Commerce Commission and the Public Service Commission, and this effort can be plainly called an error which has accomplished nothing. In 1913, disregarding these precedents, we organized cooperatively our banks, and thus we have already made the first step towards cooperative organization, and did so in the "nick of time." Our nationally organized banks have just ridden through the greatest financial storm in history, maintaining financial stability throughout a period of great inflation, and we can now confidently say that they have handled the much more difficult problem of deflation with equal success, because we have passed its greatest difficulties.

This financial legislation was one of the first steps of industrial reorganization and the most important. The next step, as I see it, is the national organization of coal mining and distribution as the most important move affecting the price of every material and its transportation. Cheap coal is necessary to maintain our position in the world market for our surplus products, and coal mining under competitive conditions has reached the point where reorganization is essential in any event. The argument as to which industries should be reorganized is not here opened, but a recognition of the principle is important and a step towards it should be taken by this conference. The only questions that I see open for discussion are which step shall we take and whether that step should involve several industries or but one. My personal preference is one.

Many people believe the development of the trusts is a preliminary step towards Socialism, instead of seeing in them the single inexorable effort to avoid the wastes of competitive effort.

I am convinced the development of cooperation as exemplified during the last forty years in big and little business is an evolution towards scientific organization of business and that that development is necessary to civilization.

When a business cycle reaches the period of depression and unemployment, two types of emergency action are possible. First, by employment bureaus, men are placed in touch with any available work, and by a reduction of working time or alternate shifts, employment is spread to a greater number of men. These measures do not reduce the amount of unemployment, but they do mitigate the intensity of its effect. The second type actually creates a demand for labor. Both means are essential, but it is through the second in some field of industry where the demand for commodities is capable of stimulation that actual recovery begins. So far the area in which a demand can be artificially stimulated has been small, and every country, as shown by economic history, turns in times of industrial depression to its ever present shortage of construction. Both private and public work have been used as the fulcrum for starting industrial recovery.

In the present situation the well-known slogan, "build public works in times of depression," is again advocated, and this principle should be carefully investigated, to determine its possibilities as a remedy for unemployment. If construction in conjunction with other measures is advisable, the ground should be cleared for putting it under way. But before such action can be successfully carried out, the co-operation of public officials, industrial leaders, and the public at large must be secured. This means that they must see exactly how construction is able to give relief.

To show the feasibility of starting industrial recovery and giving employment by inaugurating construction (both public and private work), an analysis of the five fundamental factors is presented. They are:

1. Dependence of other industries upon construction for a market.
2. Present shortage and the demand for construction.
3. Capacity to increase employment.
4. Causes delaying construction.
5. Steps necessary to revive construction.

The factors vitally affecting the present unemployment emergency are here briefly outlined.

1. Dependence of Other Industries

Construction holds the position of a key industry through which the products of some forty other industries find their way to a consumer, and the innumerable items of materials and equipment produced by them converge to a narrow outlet, governed by construction operations. Therefore, when these operations are stopped they block the outlet for hundreds of products and intensify in the basic industries the effect of unemployment.

Steel and lumber production especially suffer when construction becomes stagnant. Before either of these can again give employment to the usual number of men, orders for structural members, lumber and other products used in the many branches of construction must be received. This principle acts also in all of the forty basic industries, and in these industries more than in construction itself, the capacity to provide employment lies.

2. Present Shortage of Construction

The potential demand for both private and public works, which can by proper action be converted into a commercial demand for materials and labor, has been estimated by numerous agencies, who place the amount at from fourteen to twenty billion dollars. Reliable statistics for such estimates are meager, but the main items of these various estimates show close agreement. The need for mercantile and industrial buildings which is obviously synchronized with the trade cycle is low. But the requirements of housing, public utilities, and various types of public works undoubtedly need an intensified building program for several years to come. The housing shortage is placed at 1,000,000 homes, involving an expenditure of approximately five billions. The railways, according to Mr. E. H. Harriman's estimate some years ago, lacked construction to the amount of five billions, practically none of which has yet been attempted. An expenditure of two billions represents the needs of our public utilities, and, according to the plans laid for highway development, some two billions is needed for public roads. Reclamation, irrigation, har-

bors and hydro-electric work need another billion. In California alone, projects to the extent of $400,000,000 for hydro-electric development are contemplated. These estimates place the country's need at some fifteen billions.

3. Capacity to Increase Employment

Construction normally employs somewhat over one and one-fourth million men. The number of employes in the basic industries engaged in producing construction materials, products and equipment was recently estimated by the United States Chamber of Commerce to be one-fourth of the employes engaged in manufacturing and mechanical work—approximately 2.6 millions. Probably one-eighth of those in mining and transportation, or 0.4 million, also depend upon construction. If these figures, commonly accepted in the absence of accurate statistics, are correct, the ration between labor in the basic industries and in construction is about two and one-half to one. This indicates that when two men are set to work in the field, seven men are employed in the whole construction group.

In the present emergency not only the number of men, but also the time required to place them at work, is important. For an estimate of this we can rely only upon the judgment of men experienced in construction operations.

Seasonal considerations and the lack of preparation in matters of design and plans make it impossible to start immediately all work for which public appropriations have been provided. But if a major part of this work is started in November, if this conference can influence private agencies also to start work by then, it is estimated that within 90 days employment could be found for nearly a million men.

4. Factors Delaying Construction

Both private and public work have been delayed primarily on account of high construction cost. This cost has been brought about not only by advance cost of labor and material, but also by increased freight rates and heavy financial charges.

(a) Labor and Materials

Government index building material prices reached a level of 341 in 1920, while construction labor advanced to the index of approximately 230. Comprehensive figures are not available, but both of these are believed now to be in the neighborhood of 160, though union labor is higher. It should be remembered, however, in considering these index numbers, that prices were steadily increasing before the war at the rate of two and one-half per cent a year and would probably have landed without the war at what is now 120. The present level is, therefore, some 40 points above what we would choose to designate as normal. The index of finished construction as indicated by industrial buildings stood between 160 and 170 in July, and is now between 150 and 160. The index curve has stopped its descent and immediate deflation is apparently at an end.

It should be noted that wages have kept in step with the per capita increase of money in the United States. Whether this relation must necessarily continue is a mooted question, but as the present per capita wealth is some 60 per cent above that of 1914, it appears that a wage level of 160 as predicted over a year ago by at least one economist, is at a stabilizing point. In any event, upon this index principally depends any great reduction of cost. Any saving that might be made by lower labor and materials cost will undoubtedly be insignificant compared with the expense of any system of charity or doles that might be necessitated by further postponement of work.

If construction is delayed until producers in the basic industries are driven out, recurrence of the situation of 1920 may be expected. The supply of material will be so low that prices may move rapidly upward when revival does take place. We shall doubtless be forced to look outside the field of actual labor and materials cost to find a means of bringing about the immediate reduction which will influence the demand for construction in the present emergency.

(b) Freight Rates

Freight rates on bulky construction materials are a significant factor of increased costs. Their present level has not only discouraged shipping and construction, but has in some localities practically killed the aggregate market. Rate discrimination against construction materials was made by the Railway Administration during the war, and on top of its purposely prohibitory rates the last horizontal increase was added. These rates have placed the transportation cost of materials on an 18-foot concrete highway as high as $11,000 per mile. In specific localities the rates are as much as 129 per cent above the 1917 charges. They are unduly keeping up the cost of construction and preventing its revival.

(c) Financing Charges

In every section of the country owners have declined to start new projects on account of financing charges. Both the interest rate and the premium paid for floating loans are discouragingly high. Premiums for floating loans, varying between 10 and 20 per cent, are charged in addition to 7 or 8 per cent interest. For example, before the first work of construction was begun, the owners on a well-known Washington apartment house were required to pay for the $1,250,000 involved an interest rate of 7 per cent, a bond premium of 1½ per cent and a floating charge of 10 per cent, making the total financing charge 18½ per cent. Financing charges on a subsequent loan of $250,000 for the same structure were $75,000. This is a charge of 30 per cent. It is doubtful whether the architect, the contractor and the producers in the basic industries made a profit all combined equal to the financing charges. When an owner must pay such a sum before construction even starts, many projects are postponed or abandoned. Before private work can proceed as needed, some relief from conditions must be secured.

5. Steps for Reviving Construction

Certain direct action which will open up employment through construction can be taken by the Government, while through regulatory action and example it can both stimulate the demand for construction and influence other agencies to act. The following steps to bring about activity in both private and public works are suggested:

(a) Place under construction as soon as possible all Federal public work for which appropriations are already made, at the same time urging State, county, and municipal bodies to do likewise. In doing this the Federal authorities should adhere to existing precedents for administering public works, especially public roads. The efficiency and ability of the Bureau of Public Roads, which have been thoroughly demonstrated and have secured the confidence and cooperation of the states, must not be wasted by vesting construction administration in some other agency. Economical road building requires the specialized engineering ability now centralized in the Bureau of Public Roads.

(b) Enact any necessary appropriations that are already contemplated. The McNary Bill providing for cooperation between Federal and State governments on reclamation would give employment and by reclaimed land add to the Federal treasury.

(c) Establish some form of home loan agency, possibly using the postal savings funds, to furnish money at reasonable rates for housing construction, making it possible for the agency to cooperate financially with reliable building and loan associations. Financiers will not turn from attractive foreign loans to place money in construction at lower rates of interest.

(d) Adjust and freight rates on materials that are eliminating markets or causing unreasonable charges on construction materials.

(e) Make payments of claims due the railways and settle other existing claims so that these agencies can undertake immediate improvement and new work.

(f) Push investigations of unlawful or injurious combinations and agreements in finance, building and materials production.

(g) Encourage private agencies by tax exemption to start their projects in the near future; this plan advocated by Senator Calder proved successful in increasing housing facilities in New York. Also advocate drawing contracts to give such owners the benefit of price reduction.

(h) Place the Federal power commission in a state to function properly so that private power prospects can be passed upon and put under way.

The factors here mentioned are viewed from the standpoint of construction and obviously any action pertaining to them must be taken with due consideration for the entire economic situation. We know, for instance, that the railroads must be allowed to rehabilitate themselves and that to do so they must operate at a profit. But in the event that stimulation of construction, either private or public, is brought about by this Unemployment Conference, such stimulation may be relied upon to aid effectively the present situation.

However, before artificial stimulation is attempted, one vital contingency must be taken into account. This is the effect of sudden expansion upon construction material prices. Unless constructors, materials producers and labor are willing in this emergency to accept reasonable profit and reasonable wages, any intensified construction program may end in disaster. If the supply and demand for construction service, materials and labor are permitted to constitute the sole governor of prices, a situation analagous to that of 1920 may reoccur. Since we cannot and should not attempt to arbitrarily regulate prices, assurance of reasonable prices must come from two sources. There are, first, the farsightedness of industrial leaders who know the ultimate benefit of steady prices, wages and markets; and, second, the force of public opinion. It is with these considerations in mind that stimulation of construction is recommended.

CONSTRUCTION ACTIVITIES

Construction business in the East and Middle West is improving steadily. Contracts awarded in the 27 northeastern states during September, as reported by F. W. Dodge Company, totaled $246,186,000. This is the largest September total on record and it is 11½ per cent greater than that for August, 1921. Residential construction comprised 39 per cent of the September total, business buildings 17 per cent, public works and utilities 14 per cent and educational buildings 11 per cent.

Building News Section

APARTMENT HOUSES

ontracts Awarded.
PARTMENTS Cost, $
AN FRANCISCO. NW Twenty-
Ave. and West Clay St.
hree-story and basement frame
apartments (6 3-room and 1 2-
room apts. and basement garage.)
wner—C. R. Haley.
rchitect—Kenneth Macdonald Jr., 2
Pine St., San Francisco.
xcavation and Concrete Work awarded to R. J. H. Forbes Mo
nadnock Bldg.
rick and Carpentry Work to Missou
Concrete Co., Call Bldg.
athing and Plastering to Wm. G. Gilmour, 180 Jessie St.
rnamental Iron Work to Folsom Street Iron Works, 18th St. and Treat Ave.
ron and Steel to Schrader Iron Works 1247 Harrison St.
lectrical Work to Butte Electrical Equipment Co., 530 Folsom St.
lass and Glazing to W. P. Fuller Co., Beale and Mission Sts.
oofing to Marott & Peterson, 241 Harrison St.
lumbing to Wm. F. Wilson Co., 628 Mason St.
ienting to Turner Co., 272 Natoma St
ainting to I. R. Kissel, 1747 Sacramento St.
in and Galvanized Iron to Conlin & Roberts, 414 Natoma St.

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egregated Figures Being Taken.
PARTMENTS Cost, $100,000
AN FRANCISCO. N Washington St
132-6 E Spruce St.
our-story and basement Class C apartment house (16, 6-room apts.)
wner—Miss Rheanon, 3640 Washington St., San Francisco.
rchitect — O. E. Evans, 2569 Mission St., San Francisco.

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ub-Figures to be Taken Next Week. To be Done by Day's Work.
PARTMENTS Cost, $20,000
AN FRANCISCO. S Washington St. W Van Ness Avenue
hree-story frame and plaster apartment house (6 4-room apts.)
wner—Wahrhaftig.
rchitect—W. C. Patch, Hearst Bldg., San Francisco.

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ontract Awarded.
PARTMENTS Cost, $1
AN FRANCISCO. E Dolores and 7
Fifteenth Street.
hree-story and basement frame
apartments.
wner—G. and G. Re, 18 Linda
San Francisco.
rchitect—I. Zanelim, 601 Mission
St., San Francisco.
ontractor—[illegible]

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lans Being Prepared
PARTMENT HOUSE Cost
AN FRANCISCO. Dolo S
Hidalgo Terrace.
hree-story frame and plastered
house (six 3-room apts.).
wner—Mrs. Sarah H. Barnum
rchitect—E. E. Young, 251 Kearny
St., San Francisco.
Plans will be ready for figures in about two weeks.

Sub-Contracts Awarded.
APARTMENTS Cost, $40,000
SAN FRANCISCO. NW Octovia and California Sts.
Three-story frame and stucco apartment house (six 6-room apts.).
Owner—E. E. Young.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Lumber to Christensen Lumber Co., 1950 3rd St.
Plumbing to C. W. Higgins, 1306 Shrader St.
Heating to Gilley-Schmidt Co., 198 Otis St.
Electrical Work to The American Elec. Co., 612 Howard St.

Sub-Contracts Awarded.
APARTMENTS Cost, $36,000
SAN FRANCISCO. W. Leavenworth S. Sutter St.
Four-story brick apartment house (six 4-room apts.).
Owner—Ralph Brown.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Concrete work to Mission Concrete Co.
Lumber to Pope & Talbot Lumber Co., foot of 3rd St.
Heating to C. Petersen, 730 Larkin St.
Plumbing, Frederick Snook Co., 596 Clay Street.

Contract Awarded.
APARTMENTS Cost, $100,000
LOS ANGELES, Cal. SW. San Marino Ave. and Serrano St.
Three-story and basement frame apartment house, 102x100 (18, 5-room apts.)
Owner—Mira Monte Terrace Co., Inc.
Architect—Not Given.
Contractori—Lawrence Burck Constr. Co., 325 S-Hill St., Los Angeles.

Permit Applied For.
APARTMENTS Cost, $14,000
SAN FRANCISCO. E. Palm Ave. 150 S. California.
Two-story and basement frame (4) apartment bldg.
Owner—I. Silverstein, 215 7th Ave.
Architect—S. Heiman, 57 Post St.

Contractor Taking Bids For Millwork and Interior Carpentry Work.
Sub-contracts Awarded.
APARTMENTS Cost, $ —
SAN FRANCISCO. E Larkin 87-6 N McAllister St.
Four-story and basement Class C apartment house building.
Owner—S. Hersko.
Architect—Not given.
Contractor W. S. King, 137 Webster St., San Francisco.
The following contracts have been awarded:
Electrical Work to G. A. Metcalf, 315 Turk St.
Ornamental Iron Work to Folsom St. Iron Works, 18th and Folsom Sts.
Sheet Metal Work to Gulfoy Cornice Company.

Plans Being Figured.
APT. HOUSE Cost, $150,000
SAN FRANCISCO. Octavia Street.
Eight-story reinforced concrete apartment house (96 apartments).
Owner—T. McDougall.
Architect—W. [illegible] Leavenworth. Claus Spreckels Bldg., San Francisco.
Figures are being taken for a general contract.

Plans Being Figured.
APT. HOUSE Cost, $100,000
SAN FRANCISCO. NW Francisco and Larkin Sts.
Seven-story and basement Class "B" reinforced concrete apartment house (30 apts. of 4, 5 and 6 rooms each).
Owner—Thomas McDougall.
Architect—Joseph L. Stewart, Claus Spreckels Bldg.
Figures are being taken for a general contract.

Segregated Figures to Be Taken Next Week.
APT. HOUSE BLDGS. Cost, $20,000 ea.
SAN FRANCISCO. Union St.
Two 3-story and basement frame and plastered apartment house bldgs. (six 4-room apts. each).
Owner—Name withheld.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.

Plans Being Prepared.
STORE & APT. HOUSE BLDG. Cost, $80,000
BERKELEY, Cal. Shattuck Ave.
Four-story reinforced concrete store and apartment house building—12 2 and 3-room apts. to a floor; 6 stories in the 1st floor.
Architect — Schirmer-Bugbee, Thayer Bldg., Oakland.
Plans will be ready for figures in about a month.

Sub-Bids Wanted.
APARTMENTS Cost, $10,000
SAN FRANCISCO. W Laguna 62-6 N Pine Street.
Two-story and basement frame (4) apartments.
Owner—C. L. Wold, 40 Montgomery St., San Francisco.
Architect—None.

TURLOCK, Stanislaus Co., Cal.—J. C. Gotobed of Turlock will erect two-story store and apartment building at East Main and Thor Sts. A building costing $50,000 is contemplated. Louis Johnson will be associated with Gotobed in the improvement.

BANKS

[illegible] Stood to Prepare Plans.
OFFICE & OFFICE BLDG. Cost, $300,000
LONG BEACH, Los Angeles Co., Cal. NE Third St. and Pine Ave.
Six-story Class A bank and office building, 100x150.
Owner—Farmers & Merchants Bank, (C. J. Walker, President).
Architect—W. Horace Austin, 222 1st National Bank Bldg., Long Beach

BONDS

Oct. 27 bids will be received by W. H. Sale, County Clerk, for purchase of $109,000 bond issue of Willows Union School District.

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tion will be held Nov. 7 to vote on issuing $80,000 bonds to complete the city water system including purchase of water bearing land, construction of [illegible] and 6-[illegible] reservoirs, pipe and purchase and installation of pump with capacity of 1000 gals. per minute and 85-H.P. Bes-

semer oil or gas engine. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, City Engineer.

election will be held Oct. 28 in the Palo Verde Drainage Dist. to vote on issuing $850,000 bonds for construction of drainage works. W. J. Burton is secy. of the dist. D. W. Murphy, drainage engineer.

FORT BRAGG, Mendocino Co., Cal.—Bonds of $80,000 to finance construction of a new 18-room school building voted in Fort Bragg School District. Plans for the structure are being completed by Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

AUBURN, Placer Co., Cal.—Placer County Chamber of Commerce proposes to bond county for $500,000 to construct roads connecting rural communities with state highway.

ANAHEIM, Orange Co., Cal.—Bonds of $75,000 for water works improvements sold by City Council.

ANAHEIM, Orange Co., Cal.—City Council sells $30,000 bond issue to construct extensions to sewer system.

ANAHEIM, Orange Co., Cal.—City Council sells $5000 bond issue to purchase motor fire truck.

ALAMEDA, Alameda Co., Cal.—It is proposed to bond the city for two high schools; one to be a memorial to the soldiers and sailors of this city who lost their lives in the world war.

MARTINEZ, Contra Costa Co., Cal.—Nov. 7 bids will be received by Supervisors for purchase of $6,000 bond issue of Briones Valley School District; proceeds of sale to finance construction of a new school.

CHURCHES

Contract Awarded.
COMMUNITY BLDG. Cost, $19,500
OAKLAND, Cal. High St.
One-story frame community building.
Owner—High St. Presbyterian Church.
Architect—Miss Julia Morgan, Merchants Ex. Bldg., San Francisco.
Contractor—W. R. Littlefield, 353 12th St., Oakland.

Plans Being Figured.
CHURCH BLDG. Cost, $——
SAN FRANCISCO. Ocean Ave. near Valencia.
One-story frame church.
Owner—Ocean Avenue Presb. Church.
Architect—Miss Julia Morgan, Merchants Ex. Bldg., S. F.

BAKERSFIELD, Kern Co., Cal.—Conservative Jewish Congregation of this city, E. A. Klein, President, is planning erection of a $25,000 church building on a site yet to be selected. Board of Directors of the Congregation is composed of: E. A. Baer, Chas. Baer, A. Weill, M. Redlick and Ira Homer.

Plans Being Prepared.
CHURCH BLDG. Cost, $——
WHITTIER, Los Angeles Co., Cal.
Two-story and basement brick and plastered church, 88x120.
Owner—Whittier Christian Church.
Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

BERKELEY, Cal. — Funds will be raised shortly by the Trinity Methodist Church of Berkeley for the erection of a temporary frame church to be erected on their new site on Dana street near Bancroft Way, in Berkeley.

Contract Awarded.
CHURCH, ETC. Cost, $11,000
RICHMOND, Contra Costa Co., Cal. NW 10th and Barrett Ave.
One-story frame and stucco church and guild hall.
Owner—St. Edmund's Episcopal Church.
Designer and Contractor—E. A. F. Carson, 542 4th St., Richmond.

FACTORIES & WAREHOUSES

Plans Being Prepared.
LOFT BLDG. Cost, $45,000
OAKLAND. W. Webster St. N. 14th St.
Two-story and basement reinforced concrete loft building, 50x150.
Owner—Max Horwinski.
Architect—Sidney B. and Noble Newsome, Nevada Bank Bldg., S. F.
Plans will be ready for figures in about two weeks.
Contract Awarded.
LOFTS Cost, $30,000
SAN FRANCISCO. SW 1st and Clementina.
Three-story and basement brick lofts.
Owner — Manufacturers' Bldg. Corp., Call Bldg. (Consolidation of the M. & H. Plating Works, Larkin Specialty Mfg. Co. and the Bankers' Utilities Co.)
Architect—Not given.
Contractor—F. D. Boese, Call Bldg.

Plans Being Prepared.
FACTORY Cost, $45,000
SAN FRANCISCO. S Folsom St. E of Second Street.
Three-story reinforced concrete and frame Class C factory.
Owner—Bothin Realty Co.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Plans will be ready for figures in about two weeks.

Plans Being Figured—Bids Close Nov. 15, 1:30 P. M.
WAREHOUSE Cost, $1,950
HEALDSBURG, Sonoma Co., Cal. Mason and Fitch Streets.
Wood frame and corrugated iron warehouse.
Owner—County of Sonoma, W. W. Felt Jr., Clerk.
County Surveyor—R. Perss Smith.
Plans on file in office of County Surveyor at Santa Rosa.

Contract Awarded.
FACTORY BLDG. Cost, $70,980
SOUTH SAN FRANCISCO.
All work for reinforced concrete factory bldg., except roofing and painting.
Owner—Fontana Products Mfg. Co., 112 Market St., San Francisco.
Architect—Righetti & Hirschfeld, 12 Geary St., San Francisco.
Contractor—J. S. Sampson & Co., 682 Monadnock Bldg., San Francisco.

Contract to be Awarded.
FACTORY BLDG. Cost, $——
SAN FRANCISCO. S Howard W First Street.
One-story Class C factory, 50x165.
Owner—L. R. Lurie.
Architects — O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—J. Martinelli, 1351 Mason St., San Francisco.

Plans Being Figured.
WAREHOUSE, ETC. Cost, $——
PASADENA, Los Angeles Co., Cal.
Six-story and basement Class A reinforced concrete warehouse, 66x150 also a one-story garage building, 64x66.
Owner—Pasadena Transfer & Storage Company.
Architect—John C. Austin, Baker-Detwiler Bldg., Los Angeles.

Figures Being Taken.
WHOLESALE BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. Third & Broadway.
Two-story reinforced concrete wholesale building.
Owner—Tillman & Bendel, Harrison & Embarcadero Sts., San Francisco.
Architects — Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
NOTE:—Bids are being taken for a general contract.

Preliminary Plans Being Prepared.
WAREHOUSE Cost, $30,000
SAN FRANCISCO. Second St. near Stillman.
Two-story and mezzanine reinforced concrete warehouse.
Owner—Name withheld.
Architect—O'Brien Bros., 240 Montgomery St.

Plans to Be Prepared.
WHOLESALE BLDG. Cost, $100,000
SACRAMENTO, Cal. Front and "M" Streets.
Four-story reinforced concrete wholesale building.
Owner—Crane & Co., S. S. Day, Mgr., Sacramento.
Architect—Not selected.

Plumbing, Heating and Mechanical Equipment Contract Awarded.
FACTORY BLDG. Cost, $70,980
SOUTH SAN FRANCISCO.
All work for reinforced concrete factory building, except roofing and painting.
Owner—Fontana Products Mfg. Co., 112 Market St., San Francisco.
Architect — Righetti & Hirschfeld, 12 Geary St., San Francisco.
Contractor—J. S. Sampson & Co., 682 Monadnock Bldg., San Francisco.
The contractors has awarded a contract to J. M. Lettich, 185 Stevenson St., on a cost plus basis for the plumbing, heating, water system and mechanical equipment.

Plans Being Figured—Bids Close Oct. 24, 1921.
WAREHOUSE Cost, $200,000
SACRAMENTO, Cal. L St. between 6th and 7th Streets.
Five-story brick and mill construction with steel sash warehouse, 160x160 (2 elevators, sprinkler system, heating system, etc.)
Owner—John Breuner Co.
Architect—Jens C. Petersen, Peoples Savings Bank Bldg., Sacramento.
NOTE:—Bids are being taken for a general contract.

Steel and Masonry Bids Being Taken.
FACTORY BLDG. Cost, $50,000
SAN FRANCISCO. NW Mission and 13th Sts.
Two-story steel frame and brick factory building.
Owner—Pacific Embroidery Co.
Architect—A. W. Burgren, 110 Sutter St., San Francisco.
Segregated bids will be taken later on the balance of the work.

Contract Awarded.
SHOP BLDG. Cost, $56,825
SACRAMENTO. Blk. bounded by R, S, Serra Way and 34th St.
Maintenance shop building.
Owner—California Highway Commission.
Architect—Plans by owner.
Contractor—M. E. Hopper & Son, 117 Webster St., Oakland.

Plans Being Figured—Bids Close Oct. 31, 1921, 9 A. M.
CREAMERY BDGL. Cost, $160,000
DAVIS, Yolo Co., Cal.
Two-story reinforced concrete and tile creamery building.
Owner—University of California.
Architect—Wm. C. Hays, 1st National

Bank Bldg., San Francisco.
Segregated figures are being taken as follows:
1. Concrete work.
2. Hollow tile and terra cotta work.
3. Lathing, furring and plastering.
4. Roofing work.
5. Plumbing work.
6. Refrigeration work.
7. Electrical work.
8. Tile work.
9. Elevators.
10. Painting work.
11. Carpentry and mill work, etc.

Plans may be obtained from Mr. Hays' office on a deposit of $50.

See call for bids under official proposal column in this issue.

PORTERVILLE, Tulare Co., Cal.—Chas. S. Woody of San Francisco has completed arrangements for the erection at Porterville of a cement factory to have a capacity of 2000 bbls. per day. The factory will be built by Col. Leigh Hunt of the Hunt Engineering Co. of Kansas City.

LONG BEACH, Cal.—M. O. Hull, vice president Kimball Motor Truck Co., 1700 E-9th St., Los Angeles, announces starting erection within 30 days on a $350,000 reinforced concrete motor truck manufacturing plant in Long Beach. Mr. Hull states plans have been made and bids will be received when a site is selected.

FRESNO, Fresno Co., Cal.—E. A. Williams Estate, represented by Earl Fenstermacher, Griffith-McKenzie Bldg., Fresno, is having plans prepared for a $30,000 warehouse to be erected on Hamilton avenue between San Diego and Los Angeles streets.

PORTLAND, Ore.—Tellar & Allyn, Worcester Bldg., have been awarded a contract by Architect John V. Bennes, Chamber of Commerce Bldg., to erect a two-story concrete and mill (5) stores and loft building in Park St., between Yamhill and Morrison streets, to be leased to Kelly, Breitbarth & McLeod.

BERKELEY, Alameda Co., Cal.—Until Oct. 25, 10 a. m., bids will be received by E. M. Hann, City Clerk, for constructing auto shed on City Hall grounds. Cert. check 10% payable to city required with each bid. Plans on file in office of clerk.

FIREHOUSES AND JAILS

OAKLAND, Cal.—The following bids were received by the City Clerk of Oakland for alterations and renewal of first floor of Engine House No. 9 in Magnolia St. near 14th, and for alterations and renewal of the first floor in Engine House No. 3, in West Eighth St. bet. Campbell and Willow:

Engine House No. 9

Schnebly & Hostrawser	$1336
A. J. McPhee	1490
R. W. Littlefield	1749

Engine House No. 3

R. W. Littlefield	$ 639
Robert E. Sheridan	999
Schnebly & Hostrawser	1042

Bids were also received for ventilation in the roof of the Civic Auditorium Building at Twelfth and Fallon Sts.:

A. J. McPhee	1450
Oakland Machinery Co., Oakland	$1800
Stubbe & Romak, Oakland	1980

FLATS

Plans Being Figured
ALTERATIONS Cost, $2500
SAN FRANCISCO. California and 7th Ave.
After 2-story frame flats into four 4-room apartments.
Owner—Name withheld.
Architect—O. E. Evans, 2569 Mission St., San Francisco.

Owner Taking Segregated Figures.
FLATS, ALTERATION
Cost, $6000 flats, $2000 alterations
SAN FRANCISCO. Bryant and 26th Sts.
Two-story frame (2) flats; also alter dwelling.
Owner—Mr. R. Clifford, 2773-A Bryant Street, San Francisco.
Architect—O. E. Evans, 2569 Mission St., San Francisco.

Permit Applied For.
FRAME FLATS Cost, $15,000
SAN FRANCISCO. SW Twenty-ninth Avenue and California Street.
Two-story and basement frame (4) flats
Owner—W. C. Petersen, 1570-A Eddy St., San Francisco.
Architect—None.

Plans Being Figured.
FLATS Cost, $12,000
SAN FRANCISCO. Jone St. between Pine and Bush streets.
Two-story frame flats (2 4-room).
Owner—Rocca Bros.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Sub-figures Being Taken.
FLAT BLDGS. Cost, $9,000 ea.
SAN FRANCISCO. S Anza 60, 90, 120 and 150 W 45th Ave.
Four 2-story and basement frame buildings (2 flats each).
Owner—York Realty Co., 40 Montgomery St.
Architect—W. S. Schmolle, 40 Montgomery St.

Contract Awarded.
FLATS & STORE Cost, $11,689
EMERYVILLE, Cal.
Two-story frame flats and store (all work excet finish hardware).
Owner—E. Winsby, 1942 Webster St., Oakland.
Architect—F. D. Voorhees, 1829 West St., Oakland.
Contractor — Alfred Peterson, 3918 Lindwood Ave., Oakland.

Plans Completed.
FLATS Cost, $14,000
SAN FRANCISCO NW Fulton and 21st Ave.
Two-story and basement frame (4) flats
Owner—Simon Fraser, 3877 20th St.
Architect—Earle B. Bertz, 68 Post St.

GARAGES

Contract Awarded.
GARAGE BLDG. Cost, $59,340
SAN FRANCISCO N Turk St. 192-6 W Taylor St.
Two-story and basement reinforced concrete garage building.
Owner—Thos. McDougall.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

Preliminary Figures Being Taken.
GARAGE BLDG. Cost $——
SAN FRANCISCO Down-town Dist. north of Market St.
Three-story and basement reinforced concrete garage, 100x120 (2 elevators, 1 passenger and 1 freight).
Owner—Name withheld.
Architect—Not given.
Contractor—W. S. King, 135 Webster St., San Francisco.

Plans Being Figured. Bids Close Nov. 8, 10 a. m.
GARAGE BLDG Cost, $——
STOCKTON, San Joaquin Co., Cal. San Joaquin General Hospital grounds.
Brick garage and shop building.
Owner—County of San Joaquin, Eugene Graham, Clerk.
Architect—Ralph P. Merrill, I. O. O. F. Bldg., Stockton, Cal.
Cert. check 10% payable to Chair. Bd. of Sups. required with each bid. Plans may be had from Clerk.

Plans Being Figured.
ADD TO GARAGE Cost, $——
SAN FRANCISCO. Post and Taylor Streets.
Addition to Class A reinforced concrete garage.
Owner—Musto Estate.
Architect—Meyer & Johnson, Bankers Investment Bldg., San Francisco.

PORTLAND, Ore. — Wilcox Investment Co. seek permit from City Council to erect 6-story reinf. concr., 100x100, building at southeast cor. Fourth and Pine Sts; main floor to be used for garage, upper floors for storage.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO.—Until Nov. 1, 11 a. m., under Order No. 3328, bids will be received by U. S. Engineer Office, 240 Montgomery St., for the purchase of materials no longer required by the department and which may be seen at Rio Vista, Solano County. Material consists of chain, pipe, locks, saws, various tools, dredging supplies, scrap iron, brass and copper, electric lighting plant, locomotive type boiler, etc.

SAN DIEGO, Cal.—Until Oct. 24 bids will be received by Com. Norman Smith, Naval Public Works Officer, Loma Portal, for reinf. concr. pile found. for dispensary and post exchange buildings at Marine Base, San Diego.

WASHINGTON, D. C.—The following bids were opened by the Supervising Architect, Washington, Oct. 12, for wiring postoffice building at Port Townsend, Wash.:

Mack & Mack, New York City, $10,628, 100 days.

George R. Cooley Electric Co., Seattle, Wash., $14,559, 90 days.

J. T. Lillie, Port Townsend, Wash., $7,990.

Nepage-McKenny Co., Seattle, Wash., $10,413, 180 days.

H. L. Hansen, Port Townsend, Wash., $10,647, 120 days.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 8863, for Mare Island, Calif., 100,000 pounds white lead in oil in 100-pound drums, Nov. 1.

Schedule 8861, for Mare Island, Calif., f. o. b. works or Hampton Roads, Va., 4,000 gallons turpentine in 50-gallon drums, Nov. 1.

Schedule 8862, for Mare Island, Calif., 2 electric winches, 1,500 lbs. capacity for periscope hoisting, complete with control panel, limit switches and push button stations, together with spare parts for submarine S-30, Nov. 1.

Schedule 8872, for Puget Sound, Wash., not later than January 1, 1922, 1 motor-driven pipe expanding and flanging machine, together with spare parts for the U. S. S. Medusa, Nov. 1.

Schedule 8900, for delivering f. o. b. contractors' works, 100 exhaust headers for Liberty engine, Oct. 25.

Schedule 8905, for various eastern and western navy yards, hammers of various kinds, Nov. 8.

WASHINGTON, D. C.—Specifications No. 4540, providing for the construction of Dutch ovens at the Mare Island, Cal., Navy Yard are being prepared by the Bureau of Yards and Docks, Navy Department. Further mention will be made of this work when a call for bids is issued.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, is preparing Specification No. 4543 for cold storage and refrigerating equipment for installation of San Diego, Cal., Naval Base.

SAN FRANCISCO.—Until Oct. 29, 11 a. m., under Order No. 3344, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. f. o. b. U. S. Engineer wharf, Rio Vista, Solano County, engine oil and 2 bbls. boiler compound.

HALLS AND SOCIETY BUILDINGS

Plans Completed.
CLUB BLDG. Cost, $——
MARYSVILLE, Yuba Co., Cal.
Club Building.
Owner—Marysville Golf Club.
Architect—Eugene Kenyon, care of Geo. C. Sellon Co., Mitau Bldg., Sacramento, Cal.

Plans Being Prepared.
CHAMBER OF COMMERCE BLDG. Cost, $60,000.
STOCKTON, San Joaquin Co., Cal. N Weber Ave. bet. Sutter and San Joaquin Streets.
Two-story and basement reinforced concrete and brick Chamber of Commerce building with stores on the first floor.
Owner—Stockton Chamber of Commerce.
Architects & Contractors—Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Plans Being Figured.
COMMUNITY BLDG. Cost, $——
SAN FRANCISCO. De Haro near 23rd Street.
One-story frame community building gymnasium, kindergarten, etc.).
Owner — Potrero Hill Neighborhood House.
Architect—Miss Julia Morgan, Merchants Exchange Bldg.

Preliminary Plans Prepared.
CLUB BLDG. Cost, $60,000
BERKELEY, Alameda Co., Cal. Near University Campus.
One and two-story frame and plaster club building.
Owner—Masonic Club of the University of California.
Architect—Mr. Miller of the Department of Architecture, University of California, Berkeley.

Plans to Be Prepared.
STORES, ETC. Cost, $——
BAKERSFIELD, Kern Co., Cal. Baker Street.
Three-story stores and lodge rooms.
Owner—Caledonia Bldg. Assn., Dr. A. I. Fraser, Pres., Bakersfield, Cal.
Architect—Not given.
The structure will be leased to the Masonic lodges of Bakersfield. Officers of the Caledonia Bldg. Assn. are: Dr. A. I. Fraser, Pres.; B. L. Sheehan, V.-Pres.; A. W. Robison, Secy.; Gustav Scablin, Treas.

LOS ANGELES, Cal.—Al Malaikah Temple, A. A. C. N. M. S., Louis M. Cole, Potentate, will erect a $1,000,000 auditorium in Los Angeles to replace the structure destroyed by fire in 1920. The structure will have a seating capacity of 7,000.

HOSPITALS

Plans Being Figures—Bids Close Nov. 21, 1921, 2 P. M.
WARD BLDGS. Cost, $——
SACRAMENTO, Cal. County Hospital Grounds.
Erection and completion of service and Children's Ward, Infectious Ward, Women's Ward and Men's Medical Ward Buildings.
Owner—County of Sacramento, Harry W. Hall, County Clerk.
Architect—R. A. Herold, 430-37 Forum Bldg., Sacramento.
See call for bids under official proposal column in this issue.

LOS ANGELES, Cal.—C. J. Kubach Co., 701 Merchants National Bank Bldg. Los Angeles, was low bidder at $216,800 on the general contract for the communicable diseases building to be erected at the Los Angeles county hospital. Plans by Wm. Davidson, Chief Mechanical Engineer. Jackson Iron Works was low bidder at $15,600 on ornamental iron work and Bedell Engineering Co. was only bidder at $2585 on refrigeration. Bids taken under advisement. Reinforced concrete structural frame, three stories and basement, 156x158 ft., capacity 100 beds; brick filler walls, ruffled brick facing, art stone trim, etc. The bids were as follows:

General Contract—C. J. Kubach Co., $216,800; L. A. Planing Mill Co., $217,777 Weymouth Crowell Constr. Co., $223,200 for art stone trim and $233,700 for granite; C. L. Peck, $224,000; John Simpson Co., $228,000; J. D. Kneen Constr. Co., $236,000; William Simpson Constr. Co., $253,000, and Walter Slater Co., $262,000.

Ornamental Iron—Jackson Iron Wks., $15,600; Brombacher Iron Works, $16,260; K. O. Wetzel Co., $17,877, and City Ornamental Iron Works, $18,780.

REDWOOD CITY, San Mateo Co., Cal.—L. P. Norberg has been appointed superintendent of construction for the proposed county hospital, the general contract for which has been let to Barrett & Hilp, Sharon Bldg., San Francisco. Plans for the structure were prepared by Architect W. H. Toepke, 942 Market St., San Francisco.

HOTELS

Plans Being Prepared.
HOTEL Cost, $135,000
FRESNO, Fresno Co., Cal. NW L and Kern Streets.
Three or four-story reinforced concrete and brick hotel (76 rooms and 40 bathrooms).
Owner—Milo L. Rowell.
Architect & Constr. Mngr.—R. F. Felchlin, Bank of Italy Bldg., Fresno.

Segregated Figures Being Taken.
HOTEL BLDG. Cost, $250,000
EUREKA, Humboldt Co., Cal.
Three-story frame hotel, 100 rooms (Eureka Inn).
Owner—Eureka Hotel Co.
Construction. Mgr—Frederick Whitton, 369 Pine St., San Francisco.

PUBLIC BUILDINGS

SACRAMENTO, Oct. 19.—A construction program calling for the expenditure of more than $6,000,000 in public works during the coming winter and spring to provide work for the 50,000 unemployed now in this State was announced today by Egerton Shore, junior member of the State Board of Control.

The program has yet to be approved by Governor W. D. Stephens, but in its tentative form is the most comprehensive building schedule ever launched by the State in a similar period of time.

More than thirty major building projects will be initiated under the "unemployment" program.

The construction of the Capitol annex at a cost of $3,000,000, one of the biggest undertakings, will probably be started on or about January 1.

WORK OF STATE

Agnews State Hospital—	
Farm implements	$ 20,000
Repairs	65,000
Cottages	1,500
Agricultural Park, Sacramento—	
Repairs	20,000
California Polytechnic School—	
Repairs	40,000
Barn	4,000
California Redwood Park—	
Repairs	25,000
California School for Girls—	
Repairs	25,000
California School for the Deaf and Blind—	
Repairs	25,000
Fish and Game Commission, San Pedro—	
Fish and completion laboratory and office game bldg.	1,500
Folsom State Prison—	
Repairs	25,000
Five cottages	15,000
Humboldt State Teachers' College—	
Completion of building	25,000
Industrial Farm for Women—	
Alerations	15,000
Dam and hospital	40,000
Industrial Home for Adult Blind—	
Repairs	12,500
Mendocino State Hospital—	
Receiving building	50,000
Repairs	50,000
Officers' quarters	40,000
Repairs	9,000
Mission San Francisco de Solano, Solano—	
Repairs	1,000
Napa State Farm—	
Repairs	25,000
Napa State Hospital—	
Cottages	50,000
Repairs	40,000
Power house and equipment	15,000
Remodeling	19,000
Norwalk State Hospital—	
Buildings	250,000
Buildings	28,000
Buildings	25,000
Two cottages	10,000
Administration buildings	5,000
Pacific Colony—	
Buildings	10,000
Preston School of Industry—	
Repairs	80,000
Sacramento State Buildings—	
Buildings	500,000
San Diego State Teachers' College—	
Repairs	35,000
San Francisco State Bldg.—	
Completion	400,000
San Jose Teachers' College—	
Repairs	25,000
San Quentin State Prison—	
Repairs	40,000
Santa Barbara State Teachers' College—	
Repairs	15,000
Sonoma State Home—	
School and Assembly bldgs.	75,000
Cottages	55,000
Employes' quarters	50,000
Repairs	75,000
Water supply	5,000
Southern Cal. State Hospital—	
Housing and training of patients	80,000
Repairs	20,000
State Capitol—	
Repairs	8,500

State Nursery—	
Buildings	15,000
State Printing Office—	
Building	150,000
Stockton State Hospital—	
Receiving building	50,000
Repairs	40,000
Sewage disposal	10,000
Veterans' Home—	
Repairs	55,000
Power house	20,000
Whittier State School—	
Repairs	100,000
Water supply	20,000

Contract Awarded.
POST OFFICE BLDG. Cost, $10,000
SAN FRANCISCO. SE Post and Avery Streets.
One-story brick branch post office building.
Owner—Avery-Fuller Children's Center, 2320 Funston Ave., San Francisco.
Architect — Herman Barth, Phelan Bldg., San Francisco.
Contractor—Harvey A. Klyce. Call Bldg., San Francisco.

Contract Awarded.
MEMORIAL Cost, $500,000
SAN FRANCISCO. Lincoln Park.
Class "A" reinforced concrete memorial.
Owner—Mr. and Mrs. A. B. Spreckels.
Engineer — T. Ronneberg, Crocker Bldg.
Architect—G. A. Applegarth, Claus Spreckels Bldg.
Contractor—R. McLeran & Co., Hearst Bldg.
Construction will be started in about a month.

BERKELEY, Alameda Co., Cal.—J. W. Gregg, landscape architect of the University of California, has been commissioned to prepare plans for the general arrangement of buildings and landscape features for the new State Home for Women at Sonoma.

SAN FRANCISCO—The Board of Public Works on recommendation of City Architect John Reid Jr., approves the following sub-contracts awarded by O. Monson, general contractor for the residence of Fire Chief Murphy:
Rough lumber to Pope & Talbot.
Reinforcing steel to Badt-Falk Co.
Miscellaneous iron work to Fair Mfg. Co.
Mill work to Acme Planing Mill.
Sheet metal work to Fire Protection Products Co.
On the Bernal School, for which O. Monson is general contractor, the following sub-contracts were approved: Painting to Frisk & Swanson; plastering to E. Dietlin; rough lumber to Loop Lumber Co.; mill work to Acme Planing Mill.
On Emerson School, for which Quinn & Riley have the general contract, the following sub-contracts were approved: Concrete work to Atlas Concrete Co.; reinforcing steel to Gunn Carle Co.; miscellaneous iron work to Michel & Pfeffer; sheet metal work to Guilfoy Cornice Works; glass to W. P. Fuller; tiling to Ginsberg Tile Co., and painting to C. E. Gordon.

SACRAMENTO, Cal.—The southwest corner of 11th and O Sts. has been purchased by the State Board of Control as the site for the new State printery. The building will cost $150,000.

HELENA, Montana—C. H. [illegible], President, Montana University, announces bids will be asked on about November 2 for a $5,000,000 building program. The proposed structures are: (excavations and foundations completed with exception of gymnasium for University at Butte).

State University at Missoula—Library, $250,000; Architect [illegible] Cohagen, Billings. Heating plant, $150,000; Engineers and Architects, C. W. Pillsbury Co., Minneapolis. Gymnasium, $225,000; Architect, George W. Carsley, Helena. Forestry building, $100,000; Architect, Ole Bakke, Missoula. Residence hall [illegible] women, $225,000; Architects, Link & Haire, Helena.

State College at Bozeman—Engineering building and shops, $350,000; Architect, Fred Wilson, Bozeman. Heating plant, $150,000; Architects C. W. Pillsbury Co., Minneapolis. Biology building, $150,000; Architect, George Shanley, Great Falls. Gymnasium, $225,000; Architect, George Shanley, Great Falls.

State Sshool of Mines at Butte—Metallurgical building, $200,000; Architect, Floyd Hammel, Butte.

RESIDENCES

Segregated Figures Being Taken.
BUNGALOW Cost, $5500
SAN FRANCISCO. 42nd Ave. and California.
One-story 4-room frame bungalow.
Owner—Mrs. Childer.
Architect—E. O. Evans, 2569 Mission St., San Francisco.

Segregated Figures Being Taken.
COMPLETE DWLG. Cost, $2100
SAN FRANCISCO. Ney Street [illegible] Mission Street.
Complete unfinished dwelling.
Owner—Mrs. McCready.
Architect—O. E. Evans, 2569 Mission St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $5,000
SAN FRANCISCO. Visitacion Valley.
One-story 6-room residence.
Owner—Withheld.
Architect—O. E. Evans, 2569 Mission St., San Francisco.
Figures are being taken for a general contract.

Segregated Figures Being Taken.
BUNGALOW Cost, $6,000
SAN FRANCISCO. Westwood Park on Granada Avenue.
One-story 5-room frame bungalow.
Owner—Mrs. McAulisse.
Architect—O. E. Evans, 2569 Mission St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $30,000
EAGLE ROCK, Los Angeles Co., Cal. Occidental College.
Two-story frame residence (12 rooms and 3 bathrooms).
Owner—For President of the Occidental College.
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.
Contractor — B. D. Kronnick (312 W. 39th St., Los Angeles.

Plans Being Figured.
RESIDENCE, ETC. Cost, $8000
OAKLAND. Lakeshore Highlands.
Two-story frame and plastered residence and garage.
Owner—J. K. Patee.
Architect — Schirmer-Bugbee, Thayer Bldg., Oakland.

Plans Being Prepared.
RESIDENCE, ETC. Cost, $10,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plastered 7-room residence and garage.
Owner—Miss H. Cohn.
Architect—W. C. Falch, Hearst Bldg.
Plans will be ready for [illegible] about two weeks

Contract Awarded.
RESIDENCE Cost, $30,000
SAN FRANCISCO. N. Pacific Ave. 169-9 W. Steiner.
Three-story and basement frame residence.
[illegible] F. Montcagle, 2516 Pacific Ave.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor—Chas. Stockholm & Sons, Monadnock Bldg., S. F.

Contract Awarded.
[illegible] Cost $12,300
[illegible] Co., Cal. No. 1311 Bay View Place.
Two-story 7-room frame dwelling.
[illegible] E. Eastern, Cloyne Court, Berkeley.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
[illegible] 2403 Grant St., Berkeley.

[illegible] Prepared — Contract Awarded.
[illegible] Cost, $ —
SAN FRANCISCO. Western Addition.
One-story and basement hollow tile residence (7 rooms and garage).
Owner—Withheld.
[illegible] Given.
[illegible] W. S. King, 135 Webster St., San Francisco.
Sub-figures will be taken in about [illegible] weeks.

Contract Awarded.
ALTERATIONS, ETC. Cost, $12,000
[illegible] BERKELEY, Cal. 1204 Tamalpais Rd.
Alteration and addition to 2-story frame residence.
Owner—Chester H. Rowell, 2939 Ashbury Ave., Berkeley.
Architect—John Hudson Thomas, 1st Natl. Bank Buldg. Berkeley.
Contractor—Matt L. Koski, 35 Ramona Ave., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $12,000
BERKELEY, Alameda Co., Cal. Tanglewood Road and Belrose Ave., Claremont Court.
Two-story frame and plaster residence
Owner—R. D. Holabird, 2950 Magnolia Ave., Berkeley.
Architect—B. G. McDougall, 381 Bush St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $30,000
[illegible] Alameda Co., Cal. Avalon Avenue.
Two-story frame and plaster residence
[illegible] S. Hayes, Kohl Bldg., San Francisco.
[illegible] B. G. McDougall, 381 Bush St., San Francisco.

[illegible]
RESIDENCE Cost, $20,000
CARMEL, Monterey Co., Cal. Carmel [illegible]
Two-story frame and plaster residence.
Owner—M. A. Flavin.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
[illegible] F. Murphy, Carmel, Cal.

SCHOOLS

[illegible] Bids Close Nov. 2, 1921, 9 a. m.
[illegible] Cost, $——
[illegible]S ANGELES, Cal. Rosemont Ave. and Temple St. (Rosemont School).
[illegible]-story and basement brick 7-room [illegible]
[illegible]wner—Los Angeles Board of Education.
[illegible]rchitect—Geo. M. Lindsey, 127 Broadway, Los Angeles.
[illegible] will be taken for a

general contract, plumbing, heating, painting and electrical work.
Plans may be obtained from the secretary's office, 730 Security Bldg., Los Angeles.

Plans Being Figured—Bids Close Nov. 2, 1921, 9 a. m.
LOS ANGELES. E. 1st St. bet. Mott and Savannah Sts. (1st St. School).
Two-story and basement brick school, 7 classrooms and an auditorium.
Owner—Los Angeles Board of Education.
Architect—John P. Krempel and Walter E. Erkes, Bradbury Bldg., Los Angeles.
Separate bids will be taken for a general contract, plumbing, heating, painting and electrical work.
Plans may be obtained from the secretary's office, 730 Security Bldg., Los Angeles.

Plans Being Figured—Bids Close Nov. 2, 9 a. m.
SCHOOL BLDG. Cost, $——
LOS ANGELES, Cal. Van Ness Ave. and "G" St., Van Nuys.
Two-story and basement brick school (8 classrooms).
Owner—Los Angeles Board of Education.
Architect — Henry F. Withey, 405 S. Western Ave., Los Angeles.
Separate bids will be taken for a general contract, plumbing, heating,, painting and electrical work.
Plans may be obtained from the secretary's office, 730 Security Bldg., Los Angeles.

Contract Awarded.
ADDITION, ETC. Cost, $5547
VISALIA, Tulare Co., Cal.
Addition of one room and alterations for school.
Owner—Liberty School District.
Architect—Harry Michael, Visalia, Cal.
Contractor — Noble & Toothacre, 719 W. Mineral King, Visalia, Cal.

Contract Awarded.
ADDITIONS Cost, $30,010
EAGLE ROCK CITY, Los Angeles Co., Cal. Central, East and West schools.
Additions to 3 frame schools.
Owner—Eagle Rock School District.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.
Contractor—Rommel Constr. Co., 131 S. Brand Blvd., Glendale.

Plans Being Figured—Bids Close Oct. 31, 1921, 7 P. M.
SCHOOL Cost, $82,000
MAXWELL, Colusa Co., Cal.
Two-story brick concrete or tile school
Owner — Maxwell Union High School District.
Architects— Woollett & Lamb, Hagelstein Bldg., Sacramento.
See call for bids under official proposals.

Contract Awarded.
SCHOOL Cost, $39,475
OAKDALE, Stanislaus Co., Cal.
One-story brick and concrete 5-room school bldg.
Owner—Oakdale Grammar School Dist.
Architect — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Contractors—Shepherd & Riley, Yosemite Bldg., Stockton.

All Bids Rejected—New Bids to Be Called For.
SCHOOL Cost, $88,000
SUTTER COUNTY. Center - Gaither School District.
One-story hollow tile school (3 rooms and an auditorium.).
Owner — Center - Gaither Grammar School District.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

Contracts Awarded.
SCHOOL Cost. $——
NEWMAN, Stanislaus Co., Calif.
One-story hollow tile school (6 rooms and an auditorium).
Owner — Newman Grammar School District.
Architect—Geo. C. Sellon, Mitau Bldg., Sacramento.
Masonry and Carpetry Work awarded to Knutson & Engen of Patterson, $36,786.
Plastering to Thos. F. Scollan, 2919 T St., Sacramento, $9,980.
Painting to Max Kidder, Newman, $1,850.
Roofing to Simpson-Gray Lumber Co., Sacramento, $3,150.
Complete Mechanical Equipment to Latourrette-Fical Co. of Sacramento, $11,500.

Bids to Be Called For in a Few Days.
SCHOOL BLDG. Cost, $214,000
SACRAMENTO, Cal. Bret Harte School on Franklin Blvd. bet. 7th and 9th Aves.
Two-story and brick school with tile roof.
Owner—Sacramento Bd. of Education.
Architects — Hemmings-Petersen-Hudnutt, Architectural & Engineering Commission, Library Bldg., 9th and L Sts., Sacramento.

Plans Being Prepared.
SCHOOL Cost, $80,000
FORT BRAGG, Mendocino Co., Cal.
One-story frame school (16 rooms and an auditorium).
Owner—Fort Bragg School District.
Architects—Geo. C. Sellon Co., Mitau Bldg., Sacramento.
Bonds have been voted.

Contract Awarded.
SCHOOL Cost, Approximately $40,000
WILLITS, Mendocino Co., Cal.
One-story reinforced concrete school (10 rooms).
Owner—Willits Grammar School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor—Myrl R. Crane, 74 Miramar Ave., San Francisco.

Plans Being Prepared.
SCHOOL BLDG. Cost, $110,000
FILLMORE, Ventura Co., Cal.
Reinforced concrete grammar school (8 rooms and an auditorium).
Owner—Fillmore School District.
Architect—Jeffery & Schaeffer, 1106 Kerckhoff Bldg., Los Angeles.
Bonds to the amount of $110,000 have been voted.

Plans Being Figured—Bids Close Nov. 7, 1921, 7:30 P. M.
SCHOOL BLDG. Cost, $210,000
SACRAMENTO, Cal. Bret Harte School on Franklin Blvd. bet. 7th and 9th Avenues.
Two-story concrete and brick school with tile roof.
Owner—Sacramento Board of Education.
Architects — Hemmings-Petersen-Hudnutt, Architectural & Engineering Commission, Library Bldg., 9th and L Sts., Sacramento.
Plans may be obtained from the architects on a deposit of $20.
See call for bids under official proposal column in this issue.

Plans Being Figured—Bids Close Nov. 28, 8 p. m.
GRADING, ETC. Cost, $——
SALINAS, Monterey Co., Cal.
Grading school grounds and furnishing school equipment.
Owner—Salinas Union High School Dist., E. L. Van Dellen, Clerk, Salinas, Cal.
Architect—Ralph Wyckoff, Salinas, Cal.
or Pajaro Valley Nat. Bank Bldg., Watsonville, Cal.
See call for bids under official proposal column in this issue.

Plans Being Prepared.
ADDITION Cost, $60,000
LOS ANGELES. Rowan Avenue School.
Eight-room brick addition to school.
Owner—Los Angeles Board of Education.
Architect—Henry F. Withey, 405 S. Western Ave., Los Angeles.

Figures to Be Taken Shortly.
SCHOOL BLDG. Cost, $100,000
LOS ANGELES, Cal. 955 N. Vine St.
Two-story and basement hollow tile school building, 40x156 (14 rooms).
Owner—Los Angeles Board of Education.
Architect—Witmer & Watson, 504 Wright & Callender Bldg., Los Angeles.

Plans Being Figured—Bids opened Nov. 10, 8 p. m.
SCHOOL BLDG. Cost, $——
MALAGA, Fresno Co., Cal.
Masonry and frame school; separate bids for heating and plumbing.
Owner—Malaga School District.
Architect—Swartz & Ryland, Rowell Bldg., Fresno, Cal.
See call for bids under official proposal column in this issue.

Contracts Awarded.
SHOP BLDG. Cost, $20,000
BERKELEY, Alameda Co., Cal. South Berkeley.
One-story brick vocational shop building.
Owner—Berkeley Board of Education
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Excavation to I. M. Sommer & Co., Balboa Bldg., San Francisco, $1556.
Carpentry and Mill Work to John M. Bartlett, 351 12th St., Oakland, $9843
Electrical Work to F. E. Newbery, 163 Sutter St., San Francisco, $1250.
Painting to R. Zelinsky, 180 Jessie St., San Francisco, $1240.
Plumbing to Thos. R. Catton, 2327 Prince St., Berkeley, $798.
Roofing and Sheet Metal Work to H. C. Brown Roofing Co., 3417 San Pablo Ave., Oakland, $862.
Masonry Work to John Morton, Balboa Bldg., San Francisco, $2706.

Contract Awarded.
MECHANICAL EQUIP. Cost, $33,500
BERKELEY, Alameda Co., Cal. High School Grounds.
Mechanical equipment for the boiler house of the high school.
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—F. W. Snook, 596 Clay St., San Francisco.

Plans Being Re-Figured—Bids Close November 3, 1921, at 1 P. M.
SCHOOL Cost, $40,000
OAKDALE, Stanislaus Co., Cal.
One-story brick and concrete five-room school building.
Owner—Oakdale Grammar School Dist
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
The Trustees have rescinded the contract given to Shepherd & Riley of Stockton on account of a protest by Jos. Chirhart, whose bid was lower, but only called for the brick and carpenter work.
The new bids are for a general contract. Plans may be obtained from the architects' office.

LA VERNE, Los Angeles, Co. Cal.—John Simpson & Co., Los Angeles, were low bidders at $47,453 on the general contract for Proposition No. 1 and H. M. Hanawalt, La Verne, was low at $41,391.63 on Proposition No. 2 for erect-

ing additions to the school building at La Verne. Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles, is the architect. R. Zelinsky & Son, San Francisco, were low on painting at $[illegible]72 and $1090, O. L. Cassaday, Pomona, low on plumbing at $4290 and $3460, and Williams Radiator Co. low on heating at $3960 and $3000. The total of the low bids on Proposition No. 1 is $57,675 and Prop. No. 2, $49,481.63. The bids were taken under advisement until Friday afternoon. Two four-room additions; reinforced concrete construction, stucco exterior, clay tile roofs. The bids received were as follows:

General Contract—John Simpson & Co., $47,453; (a) if interior of one wing is left unfinished, $42,353; H. M. Hanawalt, $49,391.63, (a) $41,391.62. Macdonald & Driver, $51,200, (a) $46,700.

Painting—R. Zelinsky & Son, $1572, (a) $1090; C. V. Gillette, $2182, (a) $1548; Alhambra Wall Paper & Paint Co., $2725, (a) $1593; John Hunter, $2903, (a) $1856.

Plumbing—O. L. Cassaday, $4290, (a) $3460; George & Harris, $4705; (a) $3,632.50; Thos. Haverty Co., $5909, (a) $5065.

Heating & Ventilating — Williams Radiator Co., $3960, (a) $3000; Thos. A. Arthur, $5600, (a) $5218; Thos. Haverty Co., $6925, (a) $6500; Pemberton Heating Co., $25,000, (a) $24,700 and $10,500 for Pemberton system.

SOUTH PASADENA, Los Angeles Co., Cal.—W. M. Bell, Huntington Park, was low bidder and will probably be awarded the general contract for erecting a brick auditorium bldg. and frame and plas. physical culture bldg. at South Pasadena high school. Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles, architect. South Pasadena Plmbg. Co. was low on plumbing, Pacific Gas Radiator Co. low on heating, Swan & Bastien low on painting, and Prewitt Electric Co. low on electrical work. Bids taken under advisement.

The auditorium bldg. will be 2-sto. and basement, brick const., plas. exter., comp. rf.; physical culture bldg. will be 1-sto. and basement, 84x81 ft., frame and plas. constr., comp. rf., shower and locker rooms, cem. fl., folding doors. The bids received were as follows:

General Contract—W. M. Bell (a) auditorium of reinf. concr. frame, hollow tile filler walls, cem. face brick, $68,565; (b) auditorium of reinf. concr. frame, brick filler walls and plas. exter., $65,878; (c) auditorium of brick constr. and plas. exter., $65,500; (d) physical culture bldg. of frame and plas. constr., $30,000; (e) physical culture bldg. of frame constr. with redwood siding exter., $23,[illegible]00.

Wopschall Bros., (a) $66,557, (b) $66,-257, (c) $66,000, (d) $32,869, (e) $32,569.

John Simpson & Co. (a) $72,833, (b) $72,690, (c) $72,500, (d) $32,900, (e) $32,366.

Frank Hudson (a) $79,000, (b) $78,-500, (c) $79,066, (d) $33,897, (e) $32,682.

Boward & Sons, (a) $84,587, (b) $79,-843, (c) $75,993, (d) $30,723, (e) $29,876.

Plumbing—South Pasadena Plumbing Co., (a) auditorium, $3248. (b) physical culture bldg., $10,173. F. D. Reed, $3950 and $10,721. Thos. Haverty Co., $4350 and $11,100. G. C. Sutton, $4200 and $12,000.

Heating—Pacific Gas Radiator Co., $5448.88 and $949. [illegible] Radiator Co., [illegible] and [illegible]; Potter-Strutz Radiator Corp., $5850 and $1120. Pemberton Heating Co., $4750 and $2400 on Pemberton system.

Painting—Swan & Bastien, (a) auditorium, $2050; (b) gymnasium, $2155, (c) add for [illegible] exter. if frame constr. is adopted, $604. Zelinsky & Sons, (a) $2366, (b) $2149, (c) $390. Wormell & Drawbaugh (a) $26[illegible], (b) $2140, (c) $240. G. C. Hewitt (a) $2230, (b) $2640, (c) $230. Alhambra Wall Paper & Paint Co., (a) $2232, (b) $2865, (c) $267. P. Schwenzfeier (a) $2979, (b) $3250, (c) $380.

Electrical Work — Prewitt Electric Co., $4200 and $1080; Newbery Electric Co., $5166 and $873; Jacobs Electric Co., $5255 and $945.

LOS ANGELES, Cal.—Alex. Grant, 1202 W. 36th St., Los Angeles, was low bidder at $52,000 on the general contract for erecting a new school building on Avenue 21 school site in Los Angeles. The low bidders on other contracts were: Thos. Haverty Co. on plumbing at $7505; R. Zelinsky on painting at $2110; Prewitt Elec. Co. on wiring at $2397; J. Hokom on steam heating at $3557; Pacific Gas Rad. Co. on gas hetting at $1479. Montgomery & Nibecker, Story Bldg., Los Angeles, are the architects; two-story and basement, 138x87 ft.; 8 classrooms, assembly room, locker rooms, brick walls, tile roof, reinforced concrete corridors and stairways. The bids were referred to the business manager. The bids received were as follows:

General Contract—Alex. Grant, $52,-000; John Simpson & Co., $56,500; Walter Slater Co., $60000; K. R. Bradley Constr. Co., $61,000; Escherich Bros., $62,970; Kneen Constr. Co., $64,000.

Plumbing—Thos. Haverty Co., $7505; G. C. Sutton, $7647; E. W. Crowell Co., $7818; Arthur Hess, $8050.

Painting—R. Zelinsky, $2110; D. Zelinsky & Sons, $2600; G. C. Hewitt, $2900; Arenz-Warren Co., $3205; A. Quandt & Son, $3329; Alhambra Wall Paper & Paint Co., $3792; Swan & Bastien, $3985.

Electrical Work—Prewitt Elec. Co., $2397; F. E. Newbery Co., $2745.

Steam Heating—J. Hokom, $3557; Thos. Haverty Co., $3892.

Gas Heating—Pacific Gas Radiator Co., $1479; Potter-Strutz Rad Corp., $1,-544.50.

LOS ANGELES, Cal.—Alex Grant, 1202 W. 36th Pl., Los Angeles, was low bidder at $249,000 on the general contract for three bldgs. to be erected at John Muir school site, at the cor. of Vermont Ave. and 60th St., in Los Angeles. Bavin & Burch, 173 E. Jefferson St., Los Angeles, were low at $208,817 on the main bldg. The low bidders on the other contracts were: W. W. Brooks on the plumbing at $20,-000, D. Zelinsky & Son on the painting at $11,700; Renard-Stary Elec. Co. on the electrical work at $8876; J. Hokom on steam heating at $17,796, and Potter-Strutz Radiator Corp. on gas heating at $6233. Bids taken under advisement. John C. Austin, 1125 Baker - Detwiler Bldg., Los Angeles, architect.

The main bldg. will be 2-sto. and basement, 290x81 ft., with an auditorium wing, 105x72 ft., 24 classrooms. There will also be a 1-sto. cafeteria and domestic science bldg., 131x60 ft.; and a 1-sto. manual training bldg., 60x107 ft. Brick constr., art stone trim, slate and comp. rf., hollow tile partitions. The bids received were as follows:

General Contract—Alex Grant (1) main bldg., $210,000; (2) cafeteria bldg., $25,000; (3) manual training bldg., $14,000; (4) all three bldgs., $249,000.

Bavin & Burch (1) $208,817; (2) $27,-28[illegible], (3) $14,[illegible], (4) $250,000.

Geo. F. Barber (1) $209,661; (2) $29,-802; (3) $14,757.41; (4) $252,221.

K. R. Bradley Cons. Co., (1) $220,459; (2) $27,519, (3) $14,701, (4) $262,682.

E. C. English (1) $226,745; (2) $29,-600; (3) $14,600; (4) $269,000.

J. F. Atkinson (1) $231,000; (2) $31,-200, (3) $1[illegible], (4) $276,500.

Lange & Bergstrom (1) $234,800, (2) $39,900, (3) $15,100, (4) $286,000.

Plumbing—W. W. Brooks (1) $15,700, (2) $2590, (3) $1950, (4) $20,000. Thos. Haverty Co. (1) $15,895; (2) $3134, (3) $1945; (4) $20,976. G. C. Sutton (1) $18,355; (2) $2878; (3) $1761; (4) $22,-994.

Painting—D. Zelinsky & Son (1) $9000; (2) $1900; (3) $1088; (4) $11,700. Alhambra Wall Paper & Paint Co., (1) $9800; (2) $1593; (3) $1052; (4) $12,-445. G. C. Hewitt (1) $10,500; (2) $2000 (3) $1425; (4) $13,900. A. Quandt & Son (1) $10,955; (2) $1960; (3) $1175; (4) $13,885. Arenz-Warren Co. (1) $11,565; (2) $1871; (3) $1162; (4) $14,598. R. Zelinsky (1) $11,828; (2) $2110; (3) $1576; (4) $15,514. E. A. Lindgreen (1) $1[illegible],975; (2) $1011; (3) $1839; (4) $14,-955.

Electrical Work — Renard - Stary Electric Co., (1) $7333; (2) $940; (3) $694.70; (4) $8876. American Electric Constr. Co. (1) $8000; (2) $1250; (3) $800; (4) $10,050. F. E. Newbery Co. (1) $8422; (2) $1139; (3) $696; (4) $10,257. Prewitt Elec. Co. (1) $10,540; (2) $1120 (3) $890; (4) $12,300.

Steam Heating—W. W. Brooks (1) $14,300; (2) $2500; (3) $2000; (4) $18,-800. Thos. Haverty Co. (1) $14,400; (2) $3973; (3) $1830; (4) $19,200. J. Hokom (1) $14,524; (2) $1868; (3) $1404; (4) $17,796. Hoagland-Lakin Co. (1) $15,000; (2) $3089; (3) $2064; (4) $19,986. G. C. Sutton (1) $15,445; (2) $2373; (3) $1556; (4) $18,925. Arthur Hess (1) $16,276; (2) $2832; (3) $2035; (4) $21,143.

Gas Heating—Potter-Strutz Rad. Corp. (1) $4731, (2) $841, (3) $658; (4) $6233. Pacific Gas Rad. Co. (1) $4998; (2) $892; (3) $674; (4) $6464. (40144) 1st report Sept. 29, 1921 R [illegible]

SAN FRANCISCO.—The following bids were received by Board of Public Works on October 19th for constructing the North Beach High School, on the east side of Van Ness Ave. between Francisco and Bay Streets:

General Construction—Galileo

Mahony Bros.	$354,953
O. Monson	397,300
Hayes-Oser Co.	392,735
Robert Trost	344,822
Anderson & Ringrose	373,650
C. L. Wold Co.	366,500
G. P. W. Jensen	383,000
Clinton Constr. Co.	361,752
Barrett & Hilp	369,214

Electric Work—Galileo

Hetty Bros.	$ 29,200
M. E. Ryan	23,623
Butte Elec. Equip. Co.	21,185
Globe Elec. Works	23,540
Standard Elec. Const. Co.	23,240
Central Elec. Co.	24,860
Ne Page-McKenny	26,785
F. E. Newbery	24,986
Turner Co.	28,180
Butte Elec. Mfg. Co.	25,300
Watts Elec. Co.	25,000
G. M. Radelfinger	31,000

Heating and Ventilating—Galileo

Herman Lawson	$ 55,000
C. Peterson Co.	53,788
Helen S. Becker	53,114
J. E. O'Mara	56,722
A. Lettich	57,122
Fred W. Snook Co.	60,500
Turner Co.	56,580
Scott Co.	54,560

Plumbing—Galileo

Herman Lawson	$ 40,657
C. Peterson Co.	30,736
Alex Coleman	30,078
A. Lettich	36,107
Fred W. Snook Co.	34,248
Turner Co.	30,880
Scott Co.	30,362

BERKELEY, Cal.—The following bids were received on October 17th by the office of the Comptroller of the University of California, for Concrete Work, Tile and Brick Work, Plumbing, [illegible] Heating [illegible] and [illegible] Work for the Students' [illegible] Building on the grounds of the University of California at Berkeley.

Plans were prepared by Architect John Galen Howard, First National

Bank Bldg., San Francisco. All bids were taken under advisement.

The Clinton Construction Co., 140 Townsend St., San Francisco, submitted the lowest bid on the concrete work; M. B. McGowan, 180 Jessie St., San Francisco, on the tile; Turner Co., 272 Minna St., San Francisco, on the plumbing; W. F. Wilson Co., 228 Mason St., San Francisco, on the heating and The Standard Electric Co., 80 Natoma St., San Francisco, on the electrical work.

Concrete Work

Clinton Constr. Co.	$80,133
K. E. Parker Co.	82,730
John Morton	86,500
J. M. Sommer & Co.	99,400
R. McLeran Co.	82,496
Farrell & Reed	88,637
C. L. Wold Co.	81,800
Cahill & Vensano	84,675
Barrett & Hilp	81,835

Tile Work

M. B. McGowan	$20,811
Farrell & Reed	42,646
White & Gloor	35,980
A. G. Reed	32,661

Plumbing

Turner Co., S. F.	$11,120
Herman Lawson	12,400
F. Snook Co.	12,750
W. F. Wilson	13,200
Carl T. Doell	13,178
Thomas Catton	13,899
H. H. Pinkerton	13,310
Scott Co.	12,141

Heating

W. F. Wilson	$5,817
Turner Co.	6,740
Scott Co.	6,594
Herman Lawson	7,100
F. Snook Co.	6,945
Carl T. Doell	6,499
J. H. Pinkerton	7,164
W. K. Nottingham	6,444
J. E. O'Mara	6,441

Electrical Work

Standard Elec. Co.	$8,214
Turner Co.	7,020
H. S. Tittle	6,500
Ne Page McKenny	6,594
Butte Elec. & Mfg. Co.	8,166
M. E. Ryan	6,783
H. C. Reid Co.	8,250
Central Elec. Co.	6,945
Berkeley Elec. Co.	7,876
Watts Elec. Co.	8,250
Newbery Elec. Co.	6,700
Advance Elec. Co.	7,684
Spencer Elec. Co.	7,129

RIVERSIDE, Fresno Co., Cal.—The following bids were received by the Trustees of the Riverview Union School District near Reedley for the construction of a new school building from plans prepared by Architect Anton Johnson of Kingsburg:

Contract 1 — Excavating, Concrete, Carpenter Work, Etc.

Barkelew & Gomez
(a) $22,666; (b) $175; (c) $915.

Collman & Speidel
(a) $24,511; (b) $441; (c) $501.

Squire Cooper
(a) $25,200; (b) $300; (c) $500.

Frederickson & Shannan
(a) $23,634; (b) $970; (c) $1,500.

Julius Palm
(a) $25,850; (b) $288; (c) $650.

Otis H. Smith
(a) $27,174.55; (b) $146.55; (c) $1050.

Contract 2—Masonry and Hollow Tile

	A	B
Hock & Holfmeiner	$——	$9975
D. A. Moore	4550	6372
Paul Kindler	5400	4250
Fred Smith	5800	6200
R. B. Burness	4880	7001
A. L. Steward	[illegible]	5700

Contract 3—Tile Roofing

Fibrestone Roofing Co.	$3850
C. I. Passmore	3750
Gladding, McBean Co.	4175

Contract 4—Sheet Metal Work

	A	B
Visalia Plumbing Co.	$412	$——
Ruth-Bangleman Hwd. Co.	300	—
L. L. Brown	465	—
L. F. Tegelberg	368	20

Contract 5—Lathing and Plastering

A. Knowles	$4680
Chas. Thollander	4085

Contract 6—Blackboards

C. F. Weber Co.	$500.00
Rucker Fuller Desk Co.	528.99

Contract 7—Painting

	A	B
Zeb Knott	$1240	$435
G. Zelinsky	1488	410
C. M. Johnson	1180	385
R. Sundstrom	1100	305
A. G. Leidsen	865	400

Contract 8—Plumbing

Visalia Plumbing Co.	$3722
Kingsburg Plumbing Co.	3900
L. L. Brown	4898
B. A. Newman Co.	4106
Mech. Eng. & Supply Co.	3898

Contract 9—Electrical

Electric Constr. Co.	$1248.00
Curry Electric Co.	747.20
Reedley Electric Works	1500.00
Fowler Bros.	1685.00

Contract 10—Heating and Ventilating

B. A. Newman Co.	$2717
J. A. Nelson	2954
Visalia Plumbing Co.	3172
C. T. Doell	2535
Mech. Eng. & Supply Co.	2860

SAN FRANCISCO.—Until Nov. 16, 3 p. m., bids will be received by San Francisco Board of Public Works for constructing three-story reinforced concrete addition to Mission High school in Eighteenth St. bet. Dolores and Church Sts. Segregated bids will be taken for:

General contract, estimated cost $400,000, bond required $100,000.

Plumbing, est. cost $22,000, bond required $5500.

Electrical work, est. cost $25,000, bond required $6250.

Heating and ventilating, est. cost $16,000, bond required $4000.

Work to be started five days after award of contract and completed within 600 days. Plans may be had from Bureau of Architecture, 2nd floor, City Hall. John Reid, Jr., City Architect.

CHICO, Butte Co., Cal.—Until Nov. 2, 5 p. m., bids will be received by Chas. H. Camper, Clerk, Chico Union High School District, for fur. and del. opera tablet arm chairs, standards Japan black, seats to be five-ply, 5/16-in. thick, full roll, color of wood optional with Board of Education; 120 movable tablet arm chairs, oak, full box seat; 125 oak portable chairs. Bidders to supply samples of the various types of chairs offered. Cert. check 10% payable to Bd. of Tr. of Dist. required with each bid. Further information may be had from clerk.

REEDLEY, Fresno Co., Cal.—Fred Medart Mfg. Co., St. Louis, Missouri, at $829.50 awarded contract by Reedley Joint Union High School Dist. to fur. and install 150 steel lockers in high school. Other bidders were:

Wiser & Wiser (Armor Clad), Canton, Ohio, $877.50; C. F. Weber & Co., San Francisco, $876; Lyon Metallic Mfg. Co., Aurora, Ill., $945; The Berger Mfg. Co., San Francisco, $810.82; Durand Steel Locker Co., Chicago, Ill., $840.

LONG BEACH, Los Angeles Co., Cal.—Floyd Beswick, 3141 Vista St., Long Beach (2208-2), was the lowest bidder on the general contract at $27,965 for erecting a one-story brick school building on Wardlow Road, Chateau Thierry, Long Beach, for the Long Beach Board of Education. Harrison & Goodman, low on painting at $1873; Pacific Gas Radiator Co., low on heating at $848; Sanitary Plumbing Co. low on plumbing at $3100; Marsh Electric Co. low on wiring at $695. Three classrooms, kindergarten and two smaller rooms, concrete foundation, brick walls, tile roof, hardwood floors, heating. John C. Austin and W. Horace Austin, associated are the architects.

MERIDIAN, Sutter Co., Cal.—School Trustees contemplating bond election for $30,000 to finance construction of a new school building.

TAFT, Kern Co., Cal.—Curry & Dulgar, Bakersfield, at $33,200 have been awarded a contract by the Taft High School District to construct a two-room masonry and frame extension to each of the two wings of the high school. Bid of same firm at $1,556 for installation of Clow Gas Steam Radiation system also accepted. C. E. Kutzner, Bakersfield, bid $32,991 without heating system. Orville L. Clark, Brower Bldg., Bakersfield, architect.

STORES AND OFFICES

Figures to Be Taken Next Week.
STORE BLDG., ETC. Cost, $4000
OAKLAND. Third Ave. and 18th St.
One-story frame and plaster store and garage building (2 stores).
Owner—Name withheld.
Architect—Hutchison & Mills, Albany Bldg., Oakland.

Contract Awarded.
AUTO SALES BLDG. Cost, $100,000
SAN JOSE, Santa Clara Co., Cal. SE William and S-First Streets.
Two-story reinforced concrete Class A auto sales building, 137½x137½.
Owner—J. E. Sloan (Buick Agent), 168 S-Market St., San Jose.
Architect—J. H. Powers, 460 Montgomery St., San Francisco.
Contractor—Cahill & Vensano, 110 Sutter St., San Francisco.

Plans Being Figured.
ADDITION Cost, $75,000
SAN FRANCISCO. NW Powell and Sutter Streets.
One-story Class A addition to present 8-story office building.
Owner—Morris Meyerfield.
Architects—Meyer & Johnson, Bankers' Investment Bldg., San Francisco.

Plans Being Prepared.
STORE BLDG. Cost, $80,000
BERKELEY. W. Shattuck Ave. bet. Bancroft Way and Durant Ave.
One-story reinforced concrete store building (13 stores).
Owner—W. W. Whitecotton, Whitecotton Hotel, Berkeley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
The foundations will be built strong enough to support four additional stories for offices.
Plans will not be ready for figures for two weeks.

Working Drawings Being Prepared.
STORE BLDG. Cost, $——
OAKLAND. Broadway.
One-story concrete store bldg., 90x60 (6 stores).
Owner—Name withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

Figures Being Taken.
OFFICE BLDG. Cost, $25,000
OAKLAND, Cal. Harrison St.
One-story and mezzanine reinforced concrete office building.
Owner—Lloyd Bros.
Lessee—Cal. State Motor Vehicle license department.
Architect—C. W. McCall, Central Bank

Bldg., Oakland.
Figures are being taken for a general contract, except electrical work.

Figures to Be Taken Next Week
STORE BLDG. Cost, $60,000
BERKELEY, Alameda Co., Cal. Durant and Telegraph Aves.
One-story brick store building.
Owner—Frank J. Woodward.
Architect—M. I. Diggs, Easton Bldg., Oakland.

Contracts Awarded.
OFFICE BLDG. Cost, $50,000
SAN FRANCISCO. N. Sutter 137-5 E Stockton St.
Five-story and basement reinforced concrete office building.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David Coleman, 110 Sutter St., San Francisco.
Concrete work to Mission Concrete Co., Call Bldg.
Lumber to Loop Lumber Co., Central Basin.
Mill work to Reinhart Lumber & Planing Mill Co., 17th and Kansas Sts.
Reinforcing steel to Gunn-Carle, 444 Market St.

Plans Being Figured.
OFFICE BLDG. Cost, $25,000
OAKLAND, Alameda Co., Cal. S 15th St. bet. Franklin and Broadway.
Two-story reinforced concrete store and office building.
Owner—Stuart S. Hawley.
Architect—Maury I. Diggs, Easton Bldg., Oakland.
Segregated figures will be taken in about a week.

Permit Applied For.
OFFICE BLDG. Cost, $80,000
SAN FRANCISCO. SE Montgomery & Bush.
Three-story and basement Class "C" office building.
Owner — Dunn-Williams & Co., 26 Montgomery.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

Contract Awarded.
STORE BLDG. Cost, $——
SAN FRANCISCO. E. Mission 90 N. 19th.
One-story reinforced concrete building.
Owner—Samuel Hamburger, 110 Sutter St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractors—Fontanella & Teza, 1682 Clay St.

Contract Awarded.
STORE BLDG. Cost, $25,000
OAKLAND, Alameda Co., Cal. NW Grand Ave. and Webster St.
One-story frame and stucco store building (8 stores)
Owner—H. A. Mitchell.
Architects — Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor — F. A. Muller, Syndicate Bldg., Oakland.

Owner to Take Figures.
STORES & OFFICES Cost, $15,000
WEST BERKELEY. San Pablo Ave. and Bristol St.
Two-story frame and plaster store and office building (3 stores and 7 offices).
Owner—Wooster Mortg. San Pablo Ave. and Bristol St., Berkeley.
Architect — James W. Plachek, 2911 Shattuck Ave., Berkeley.

Contract Awarded
STORE BLDG. Cost, $2[illegible],000
OAKLAND, Cal. 14th St. bet. Wooster and Harrison Sts.
One-story brick and terra cotta store building (8 stores).
Owner—Helen M. Dille.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.

Contract Awarded.
INST. FIXTURES, ETC. Cost, $18,000
SAN FRANCISCO. SW Bush and Montgomery Sts.
Install fixtures in drug store, fireproof partitions, marble flooring, etc.
Owner—The Owl Drug Co., 511 Mission St., San Francisco.
Architect—A. Reinhold Denke, 218 Dalziel Bldg., Oakland.
Contractor—Oliver Duval & Son., 216 Dalziel Bldg., Oakland.

Plans Completed.
STORE BLDG. Cost, $25,000
SAN FRANCISCO. N Mission 47 W. Ecker.
One-story and basement reinforced concrete store bldg.
Owner—R. J. O'Brien, 110 Sutter St.
Architect—Albert W. Burgren, 110 Sutter St.

LOS ANGELES, Cal.—The Los Angeles Pressed Brick Co., Frost Bldg., Los Angeles, has been awarded a contract for furnishing terra cotta and face brick for the 11-story store bldg. at 5th and Broadway, in Los Angeles, for Faris-Walker Co., owners of the Fifth St. Department Store. Aleck E. Curlett, 518 Merchants Nat. Bank Bldg., Los Angeles, is the architect.

LONG BEACH, Los Angeles Co., Cal. —G. D. Sanford, 415 E. 17th St., Long Beach, was the lowest bidder at $72,550 on the general contract for erecting a two-story brick and plaster building on E. Ocean Blvd., Long Beach, for the Chamber of Commerce of Long Beach. This bid carried deduction, Alt. 1, of $7300 for omitting retaining wall. Other bids were: W. Jay Burgin, $75,200, (1) $—. Willis & Collins, $76,676, (1) $6800 C. T. McGrew & Sons, $76,789, (1) $4766. J. D. Sherer, $79,495, (1) $6010. W. Horace Austin, 222 First National Bank Bldg., Long Beach, is the architect.

THEATRES

Plans Being Prepared — Contract Awarded.
THEATRE BLDG. Cost, $500,000
LOS ANGELES. Hollywood Blvd. near Cahuenga Blvd.
Three-story Class "A" theatre building, 120x230 (terra cotta and cast stone facing).
Owner—West Coast Theatres, Inc.
Architect and Contractor—Milwaukee Building Co., 315 Wright & Callender Bldg., Los Angeles.
Work will be started in November.

Contract Awarded.
ALTERATIONS Cost, $17,105
SACRAMENTO, Cal. "K" Street.
Alterations to Liberty Theatre.
Owner—A. F. Kleinsorge and Di Stisio.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.
Contractor—Betz & Mabrey, 2528 41st St., Sacramento.

THEATRE Cost, $300,000
SAN FRANCISCO. S Geary Street 137-6 W Mason Street.
Class A theatre.
Owner—Curran Theatre Co.
Architect — Alfred Henry Jacobs, 110 Sutter St., San Francisco.
The Pacific Fire Extinguisher Co., 440 Howard St., has been awarded a contract for installing the sprinkler system.

LOS ANGELES, Cal. — Edwards, Wildey & Dixon Co., 515 Black Bldg., Los Angeles, were the successful bidders on the colosseum to be erected at Exposition Park for the Community Development Association. John Parkinson and Donald B. Parkinson, 420 Title Insurance Bldg., Los Angeles, are the architects. It will be of concrete and frame construction, built around a quarter-mile track. Seating capacity, 60,000; cost, $775,000.

GOOD ROADS IN CANADA

Up to August 4th agreement has been entered into between the various provinces of Canada and the Dominion government calling for the construction of approximately 2,823 miles of improved highways under the Canadian Highway Improvement, or "Federal Aid" Act. The cost of this mileage will be $19,151,000. The Dominion aid already appropriated in connection with this program amounts to $7,700,000. Projects for the improvement, ultimately, of 17,951 miles of highways have been approved. Manitoba's program, which includes 4000 miles, is the largest, while that of Prince Edward Island, which embraces 850 miles, is the smallest. Ontario plans to spend nearly four times the money expended by Manitoba, but will build less than half of her road mileage. The mileage to be constructed in each province is as follows: Prince Edward Island, 850 miles; Nova Scotia, 1297; New Brunswick, 1595; Quebec, 1433; Ontario, 1824.7; Manitoba, 4000; Saskatchewan, 2500; Alberta, 2475, and British Columbia, 1977.

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Engineering News Section

BRIDGES, DAMS & HARBOR WORK

RED BLUFF, Tehama Co., Cal.—Until Nov. 7, 10 a. m., bids will be received by H. K. Kuhn, County Clerk, for construction of fills for bridges Nos. 1 and 2 bet. the towns of Tehama and Los Molinos, Cert. check 10% payable to Chair. Bd. of Sups. required. W. F. Lunning, County Surveyor.

SALINAS, Monterey Co., Cal.—County Clerk T. P. Joy instructed to communicate with State Highway Commission regarding bridge over San Lorenzo river at King City. County agrees, under one proposition, to pay one-third the cost, the commission to furnish all material and labor and build the bridge. The amount is to be payable after July 1, 1922, after the completion and acceptance of the bridge by the commission. The second is in lieu of a proposition made the board by a representative of the commission a short time ago. It is to the effect the county will pay $18,000 as its share of the expense of constructing bank protective work at the Soledad bridge, the commission to furnish the material and labor and do the work. The county will also paint the bridge in accordance with the commission's plans and specifications. The commission is then to take over the bridge from the county. The amount is also payable after July 1, 1922, after the completion and acceptance of the work.

PORTLAND, Ore.—Consulting Engineer T. A. Garrow, 617 E. 10th St., N., is preparing specifications for a large diking project on Sauvies Island for Columbia Drainage District No. 1. The district will include drain ditches, pumping plant and tide gates; estimated cost, $300,000.

SAN FRANCISCO— The following bids received by U. S. Engineer Officer for dredging in Richmond Harbor: American Dredging Co., 15 cents cu. yd.; United Dredging Co., 8.44 cents cu. yd.; San Francisco Bridge Co., 14.1 cents cu. yd.

FRESNO, Fresno Co., Cal.—C. E. McDaniel and S. L. Enlow at $3,848 have been awarded contract by the Supervisors to construct Laton bridge. Noble Construction Co., Visalia, bid $6,684. Estimate of County Surveyor Chris P. Jensen, $4,700. Structure will be financed by Kings and Fresno Counties.

WALLA WALLA, Wash.—Union Bridge Co., Portland, at $426,900 submits low bid to Inter-County Bridge Co. for constructing toll bridge across Columbia river between Pasco and Kennewick. Structure will be steel and frame 3236 ft. long; two steel spans, each 252 ft; cantilever span consisting of 2 anchor arms, each 22 ft. long, and 2 cantilever arms each 126 ft. long; a suspended span 180 ft. long.

TURLOCK, Stanislaus Co., Cal.—A. J. Wiley, Consulting Engineer for the Turlock and Modesto Irrigation Districts Don Pedro project, has been selected by the Oakdale and South San Joaquin Irrigation Districts to act as consulting engineer for the Melones project, estimated to cost $2,000,000. Wiley will be paid $1,000 for the first ten days' work, and for other time required at a rate of $50 a day. Engineer C. E. Wood will handle the construction end of the project.

BANNING, Riverside Co., Cal.—Until 7:30 p. m., Oct. 27, bids will be received by City Clerk Theodore Backus, 25 N. Gorgonio Ave., for constructing reinf. concr. culvert across present storm drain channel on San Gorgonio Ave. bet. Nicolet and Williams Sts. Plans and spec. on file at office of clerk.

MILL VALLEY, Marin Co., Cal.—Until Nov. 1, 8 p. m., bids will be received by Will Falley, Town Clerk, for constructing concr. arch culvert, headwalls and pavement in Park Ave. Cert. check 10% required with each bid. Plans on file in office of clerk. J. J. Oglesby, Town Engineer.

LOS ANGELES, Cal.—The War Department has approved plans for the double leaf steel bascule bridge to be built over the channel connecting Los Angeles and Long Beach harbors. Plans for bridge were prepared by Harbor Engineer Vincent. An appropriation of $750,000 from harbor bonds already sold, has been made to build the bridge and two miles of paved road.

HANFORD, Kings Co., Cal.—Anton Johnson, Kingsburg Bank Bldg., Kingsburg, at $24,634, awarded contract by Supervisors to construct two reinf. concr. bridges over Kings River on the State Highway southwest of Lemoore, Division 6, Section 10, Route B, involving 475 cu. yds. class A concr.; 52 concr. piles (120 cu. yds. concr.) and 75 tons steel. Other bidders were:

Pacific Construction Co., S. F.	$26,172
Jenkins & Elton, Sacramento	25,240
E. K. Angle, Los Palos	29,600
Frederick & Shannon, Fresno	28,264
Larsen-Siegrist, S. F.	33,777
West Coast Const. Co., S. F.	24,674

Roy May, County Surveyor.

SAN JOSE, Santa Clara Co., Cal.—Until Nov. 7, 11 a. m., bids will be received by Henry A. Pfister, County Clerk, for constructing reinf. concr. culvert in Dempsey road, near Calaveras road, in Supervisorial Dist. No. 3. Irving Ryder, County Surveyor.

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SAN ANDREAS, Calaveras Co., Cal.—Davidson & Nicolsen, 180 Jessie St., San Francisco, at $3980, awarded contract by Supervisors to construct reinf. concr. bridge over Stone Corral Creek on main county road leading from Valley Springs to Bellota. Other bidders: Jenkins & Elton, 3560 Y St., Sacramento, $4634; James R. Johnson, Com. & Sav. Bank Bldg., Stockton, $4100; A. S. Dixon, Jenny Lind, $4624. W. S. Coulter, County Surveyor.

LOS ANGELES, Cal.—Until 11 a. m., Oct. 31, bids will be received by Supervisors of Los Angeles County for improvement of flood channel of Ballona Creek from Bay St. to Pacific Elec. Ry., about 2000 lin. ft., involving about 40,000 cu. yds. excavation and embankment. Cert. check for 10%.

Ross Constr. Co., Ochsner Bldg., Sacramento, awarded contract at $42,750 for improving the flood channel of the Rio Hondo from S. P. station at Vinvale to Los Angeles River, about 9000 ft., involving about 190,000 cu. yds. earth work.

CALIFORNIA.—Following are approximate quantities for bridge projects for which State Highway Com. will open bids Oct. 31:

San Luis Obispo County, across Huasna Creek and Alamo Creek (V-SLO-57-A), two bridges, as follows: Across Huasna Creek, a bridge consisting of two steel spans of 100 feet each, with reinforced concrete girder approach spans; across Alamo Creek, a bridge consisting of two steel spans of 100 feet each.

Two 100-ft. steel spans, erected in place and painted, complete, except reinforced concrete floor, for Huasna Creek bridge.

Two 100-ft. steel spans, erected in place and painted, complete, except reinforced concrete floor, for Alamo Creek bridge.

255 cu. yds. Class "A" concrete, in place in piers, approach spans, end beams, cap and floor of steep spans for Huasna Creek bridge.

200 cu. yds. Class "A" concrete, in place in abutments, pier and floor of steel spans for Alamo Creek bridge.

360 cu. yds. Class "B" cement concrete, in place in piers for Huasna Creek bridge.

150 cu. yds. Class "B" cement concrete, in place in piers for Alamo Creek bridge.

30 cu. yds. Class "C" cement concrete, in place in abutment and wing wall for Huasna Creek bridge.

335 cu. yds. Class "C" concrete, in place in abutments for Alamo Creek bridge.

64 Douglas fir piles, in place in foundations, for Huasna Creek bridge.

64 Douglas fir piles, in place in foundations, for Alamo Creek bridge.

4 reinforced concrete piles in place for approach span of Huasna Creek bridge.

Commission will furnish reinforcing steel in straight bars cut to lengths, and cement.

Glenn County, near Orland (III-Gle-7-C), consisting of the construction of pile and wire dikes and the planting of willow cuttings for the protection of Stony Creek bridge.

310 Douglas fir piles.

6000 ft. B. M., lumber.

3600 willow cuttings.

KNIGHTS LANDING, Yolo Co., Cal.—Ajax Dredging Co., 249 First St., San Francisco, at $7890, submits only bid to Knights Landing Ridge Drainage District, Mills, Bldg., San Francisco, for constructing reinf. concr. culvert through west levee of Knights Landing Ridge. Bids taken under advisement. Fred H. Tibbitts, Alaska Com. Bldg., San Francisco, engineer.

SANTA ROSA, Sonoma Co., Cal.—County Surveyor R. Press Smith preparing plans for reinf. concr. bridge over Markwest Creek on Healdsburg-Forestville highway; estimated cost, $10,000.

EL CENTRO, Imperial Co., Cal.—Fred Stefgen, San Diego, submitted lowest bid to Supervisors at $13,997 for constructing three wooden pile bridges on State Highway, Westmoreland to Mecca, two 157 ft. long and one 115 ft. long, each 18 ft. wide with 4 piles to a bent. Other bids were: W. A. Petterson, $15,994.70; I. A. Thomas, $15,226; E. T. Wheeler Co., $15,840; B. B. Boyd, $29,600.

SAN FRANCISCO.—Frank G. White, Chief Engineer State Board of Harbor Commissioners, completing specifications for China Basin improvements; pulling of piles and dredging. Total cost of improvements, $850,000.

IRRIGATION PROJECTS

OROVILLE, Butte Co., Cal.—Three commissioners have been appointed by the Butte County Supervisors to reassess lands in Reclamation District No. 833, Gridley, to raise $1,000,000 for a drainage system and complete other improvements. Those chosen are: B. A. Etcheverry, expert of the State Reclamation Board; W. E. M. Beardsley, Sacramento and E. M. Stanton of Live Oak.

MERCED, Merced Co., Cal.—November 22 is date set in Merced Irrigation District to decide the question of issuing and selling bonds of $12,000,000 to purchase Crocker Huffman Irrigation system and for building a dam and power plant at Exchequer and for building irrigation works in the district, comprising approx. 180,000 acres. Estimates set the cost of the dam at $3,763,000; distribution system, $1,688,000; purchase of Crocker Huffman system, $225,000; power plant, $2,000,000; drainage pumps and canals, $20,000.

MADERA, Madera Co., Cal.—Engineer Harry Barnes appointed chief engineer for Madera Irrigation District.

PORTLAND, Ore.—Barr & Cunningham, Engineer, Spalding Bldg., are preparing plans for work in Harney Valley Irrigation District comprising 85,000 acres of which 60,000 are productive. Miller & Lux of California own 35,000 acres in this district, and Wm. Hanley of Eastern Oregon is owner of 8000 acres. A bond issue of $2,200,000 has been voted to finance construction. The principal work is a storage reservoir costing $1,500,000.

FRESNO, Fresno Co., Cal.—A committee has been appointed to lay out boundaries for the proposed Squaw Valley Irrigation District.

LIGHTING SYSTEMS

FAIRFIELD, Solano Co., Cal.—Chamber of Commerce urging installation of electrolier system in Texas St., a part of the State Highway system; estimated cost, $10,000. C. A. Adamson, Secy. of Chamber of Commerce.

RAILROADS

SAN FRANCISCO.—Frank G. White, Chief Engineer, State Board of Harbor Commissioners, preparing specifications for relaying of girder rails for reconstructing Belt Railroad on Embarcadero bet. Lombard and Bay Sts.; estimated cost, $90,000.

MACHINERY

LOS ANGELES, Cal.—Standard Oil Co., will build an 8-in. pipe line to connect Long Beach oil field with line to El Segundo; cost $100,000.

LOS ANGELES, Cal.—Until 3 p. m., Oct. 28, bids will be received by Board of Public Service, 207 S. Broadway, for gate valves, Spec. No. 586; also for 1240 pieces 24-in. Class B-C special (1906.5 tons) and 430 pieces 24-in. Class B (602 tons) standard dipped bell and spigot cast iron pipe, 12-ft. lengths; also 780 pieces 24-in. Class B-C special (1199.25 tons) pipe. Delivery f. o. b. Los Angeles. Jas. P. Vroman, Secretary.

SAN JOSE, Santa Clara Co., Cal.—Artana-Geoffroy at $877 awarded contract by Supervisors to furnish 4-yard hoist hydraulic dump. Other bidders: California Auto Hoist Co., $997.50; Modern Vehicle Co., $1,023.75. Irving Ryder, County Surveyor.

SAN JOSE, Santa Clara Co., Cal.—Austin-Western Road Machinery Co., at $1,040, only bidder, awarded contract by Supervisors to fur. and del. two rear wheels for Austin road roller. Irving Ryder, County Surveyor.

MARTINEZ, Contra Costa Co., Cal.—Until Nov. 7, 11 a. m., bids will be received by J. H. Wells, County Clerk, for install. electrical burglar alarm system in County Treasurer's office. Cert. check 10% payable to clerk required with each bid. Spec. on file in office of clerk.

WILLOWS, Glenn Co., Cal.—Until Oct. 27, 10 a. m., bids will be received by W. H. Sale, County Clerk, for fur. and del. for use in Road Dist. No. 3, one Moline tractor and one Little Giant Grader. Bayard Knock, County Surveyor.

LOS ANGELES, Cal.—Until 4 p. m., Nov. 1, bids will be received by Purchasing Department of Board of Education for two motor trucks; spec. on file in department, Room 5, 1437 San Pedro St.

(Continued on Page 17)

Advance Construction Reports

Larsen Construction Reports, issued every business day of the year, furnishes information as to contemplated construction projects of all kinds, covering the State of California.

If you want to know when Architects and Engineers are preparing plans or taking figures for materials and for construction, we supply the information.

BUILDING REPORT SERVICE covers every class of building.

ENGINEERING REPORT SERVICE covers bridges, dams and harbor work; street, sewer and highway projects; irrigation works, machinery, fire equipment, etc.

Sample copies furnished on request. State character of construction in which you are interested.

Larsen Construction Reports

560 Mission Street San Francisco, Calif.

Official Proposals

NOTICE INVITING SEALED BIDS FOR MAXWELL UNION HIGH SCHOOL BUILDING CONSTRUCTION WORK

Two-Story Concrete, Brick or Tile Structure; Cost, $82,000

Pursuant to a resolution of the Board of Trustees, Maxwell Union High School District, Maxwell, Calif., adopted in adjourned regular session, notice is hereby given that the said Board of Trustees will receive sealed bids for the construction work of the Maxwell Union High School Building until the **hour of seven o'clock p. m. of October 31st, 1921.**

Said sealed bids or proposals shall be for furnishing all materials and labor necessary for the entire construction work in accordance with the plans and specifications made and provided by Woollett & Lamb, Architects of said work.

Each bid shall be accompanied by a certified check in the amount of five per cent of the aggregate of the bid, certified by a responsible bank, payable to the order of the Board of Trustees, Maxwell Union High School District, to insure the entering into of a contract with said Board and the furnishing of bond guaranteeing the performance of the work. Said contracts and bonds to be executed within ten days after written notice of award of contracts.

All plans and specifications for this construction work may be obtained of A. J. Fouch, Clerk, or at the office of the Architects, Woollett & Lamb, Hagelstein Building, Sacramento, Calif.

Bids must be in writing in accordance with the proposal in the official specifications, sealed and marked on the outside of the envelope as to the contents, and delivered to A. J. Fouch, the Clerk of the said High School Board, at Maxwell, Calif., before the hour of seven o'clock p. m., October 31st, 1921.

The Board reserves the right to reject any or all bids. Checks of unsuccessful bidders to be returned upon the rejection of their bids.

By order of the Board of Trustees, Maxwell Union High School District.

A. J. FOUCH, Clerk.

Maxwell, Calif.

NOTICE TO CONTRACTORS

SPECIAL NOTICE. Re FORT BAYARD BUILDINGS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 15, 1921.— Bidders are advised that the proposals for the construction except mechanical equipment of various buildings, etc., for the United States Public Health Service Hospital, Fort Bayard, New Mexico, asked for under advertisement of September 29, 1921, will be opened in the office of the Superintendent of Construction, United States Public Health Service Hospital, Fort Bayard, New Mexico, at 1 P. M., October 31, 1921, and at the office of the Supervising Architect, Treasury Department, Washington, D. C., at 3 P. M., October 31, 1921, and bidders may forward their bids to either place. JAS. A. WETMORE, Acting Supervising Architect.

BIDS WANTED FOR MECHANICAL EQUIPMENT

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 10, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., Nov. 3, 1921, for the installation complete of the Mechanical Equipment for Infirmary, Central Heating Plant, Power Plant and outside service, at the United States Public Health Service Hospital No. 55, at Fort Bayard, New Mexico, in accordance with drawings and specification, copies of which may be had at this office or at the office of the Superintendent at Fort Bayard, New Mexico, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR MILLWORK AND GLAZING, ETC.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Oct. 10, 1921—SEALED PROPOSALS will be received for furnishing the millwork and glazing for the following buildings of the U. S. P. H. S. Hospital No. 50, at Whipple Barracks, Prescott, Arizona. New Ambulant Patients Mess Hall, Etc., Nurses' Quarters Alterations, Mess Hall Extension for Refrigerating Plant, Extension to Laundry and Boiler House and Alterations in Post Exchange for N. P. Ward, and opened in the office of H. G. Richey, Supt. of Construction, U. S. Public Health Service Hospital, Whipple Barracks, Prescott, Arizona, October 27, 1921, at 3 P. M. Specifications, and bills of quantities attached thereto, may be obtained from H. G. Richey, Supt. of Construction, Whipple Barracks, Prescott, Arizona, J. C. Elliot, Supt. of Construction, Old P. O., El Paso, Texas, J. W. Roberts, Supervising Superintendent, Room 403, Post Office, San Francisco, Calif., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR STOREHOUSE

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposal for Storehouse, Pearl Harbor, Hawaii, Specification No. 4504," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a. m., December 7, 1921, and then and there publicly opened for a one-story storehouse at the Naval Operating Base (Naval Station), Pearl Harbor, Hawaii. The building will be approximately 120 feet by 500 feet, divided into 3 aisles, and will have steel frame; plain concrete footings and floor; reinforced concrete loading platforms, spandrel girders, and fire wall; corrugated protected sheet metal for siding and roof of marquise; precast gypsum tile roof with 3-ply built-up asbestos roofing, steel sash and rolling doors; hollow tile partitions; and plumbing, sewage disposal, electric lighting, and fire-protection systems. Drawings and Specification No. 4504 may be obtained on application to the Bureau, to the Commandant, Navy Yard, Mare Island, Calif., or to the Commandant, Naval Operating Base, Pearl Harbor, Hawaii. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. C. W. PARKS, Chief of Bureau, August 31, 1921.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on November 14th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Solano County, between Batavia and Northerly Boundary (III-Sol-7-E), about 8.3 miles in length, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated October 17, 1921.

BIDS WANTED FOR REMODELING BARRACKS BUILDING

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposals for Remodeling Building, Mare Island, Calif., Specification No. 4489," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a. m., November 2, 1921, and then and there publicly opened, for remodeling Barracks Building, No. 53, at the Marine Reservation, Navy Yard, Mare Island, Calif. The work includes rearrangement of partitions, removing brick walls, moving cells, and new work as follows: Wood and concrete floors, cement mortar wainscots, plastering, steel stairs, wood trim, screens, hardware, electric lighting, plumbing fixtures, connections with sewer and water systems, and other incidental work. Drawings and specification No. 4489 may be obtained on application to the Bureau or to the Commandant, Navy Yard, Mare Island, Calif. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks is required as security for the safe return of the drawings and specification. C. W. PARKS, Chief of Bureau, August, 30, 1921.

BIDS WANTED FOR HOSPITAL BUILDING

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors of the County of Sacramento, State of California.

Pursuant to an order of the Board of Supervisors of the County of Sacramento, made and entered on record on the 17th day of October, A. D. 1921.

Notice is hereby given that sealed bids will be received by the undersigned **up to and not later than the hour of 2:00 p. m. of the 21st day of November, A. D. 1921,** at the office of said Board in the Court House Building, 7th and I streets, Sacramento City, for the furnishing of all labor, material and mechanical workmanship required for the erection and completion of a Service and Children's Ward building.

n Infectious Ward building, a Women's Medical Ward building and a Men's Medical Ward building on the present County Hospital Grounds, City of Sacramento, County of Sacramento, State of California, in accordance with the plans and specifications prepared thereto by R. R. Herold, Architect, and adopted by the Board of Supervisors of the County of Sacramento, which plans and specifications may be seen and examined, during office hours, by intended bidders, at the architect's office, rooms 430-37 Forum building, Sacramento, California.

All bids must be submitted on blank forms furnished by the Clerk of the Board, and must be accompanied with a certified check on some solvent bank in sum equal to ten per cent (10 per cent) of the amount of each bid, conditioned that if the contract is awarded the party submitting the accepted bid will enter into contract and furnish such bond as may be required within ten days after making award, or, failing so to do, the amount of such check to be forfeited as liquidated damages for such failure. All checks to be made payable to the order of the Chairman of the Board of Supervisors of Sacramento County.

The Board reserves the right to reject any or all bids.

By order of the Board of Supervisors of Sacramento County, California.

Attest: (Seal) HARRY W. HALL,
County Clerk and ex-officio Clerk of the Board of Supervisors of Sacramento County, California.
By F. M. Lampert, Deputy Clerk.
Dated October 17th, 1921.

TIME FOR OPENING BIDS EXTENDED FROM OCT. 26 TO NOV. 9, 7:30 P. M.

BIDS WANTED FOR HIGH SCHOOL BUILDINGS

NOTICE TO CONTRACTORS

Notice is hereby given that the Board of School Trustees of the Visalia Union High School District, City of Visalia, County of Tulare, State of California, will receive sealed bids for the furnishing of all labor and materials necessary in the erection and completion of a PHYSICAL EDUCATION BUILDING, Job No. 805-A, Contract No. 1—MANUAL ARTS BUILDING, Job No. 805-B, Contract No. 2—DOMESTIC SCIENCE BUILDING (Remodeling) Job No. 805-C, Contract No. 3—DOMESTIC ARTS BUILDING (Addition), Job No. 805-D, Contract No. 4, including works, to be located on the Visalia Union High School Grounds on Main street, between Giddings Avenue and Conyer street, City of Visalia, County of Tulare, State of California, according to Plans and Specifications prepared by ERNEST J. KUMP CO., Architects, of the City of Fresno, according to Bids and Alternate Bids asked for in Specifications.

Said Sealed Bids will be received **up to and including 7:30 p. m. of the 9th day of November, 1921,** by the undersigned Clerk of the Board at the High School Building, at the City of Visalia, County of Tulare, State of California.

Said sealed Bids must be accompanied by a Certified check, Cashier's check or Bidders' bond in a sum equal at least to ten (ten per centum) of the amount of bid to do the work mentioned and made payable to the undersigned Clerk of the Board as a guarantee that the Bidder or Bidders will execute the Proper Contract and Bonds in case either or all Contracts are awarded to him or them by reasons of their Bids.

Plans and Specifications are on file at the office of the Clerk of the Board at the High School building and additional copies may be obtained at the offices of the District's Architects, the ERNEST J. KUMP CO., 207-8 Rowell Building, Fresno, California.

All Bids to be made out on Blank Forms furnished by the Architects.

The successful bidder or bidders will have to give bonds in the sum of 50% (Fifty per centum) covering labor and materials and in addition, a 20% (Twenty per centum) Bond for Faithful Performance, as fully set forth in Specifications.

The said Visalia Union High School District (as owners) reserve the right to reject any and all bids or alternate bids or any part or parts of any bids or alternate bids recevied and reject the balance thereof and to waive any informality in any bids or alternate bids received.

All bids to be addressed to C. T. Pool, Clerk of the Board of the Visalia Union High School District, of the City of Visalia, County of Tulare, State of California.

By orders of said Board of Trustees of the Visalia Union High School District.

C. T. POOL, Clerk.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of Trustees of the Malaga School District, Fresno County, California, **up to but not later than eight o'clock p. m. on the 10th day of November, 1921,** at the office of Swartz & Ryland, architects, Rowell building, Fresno, California, for the erection and completion of a masonry and frame school building and cottage for the said school district, all in accordance with plans and specifications prepared by Swartz & Ryland, the authorized architects employed by the said Board.

Bids will be received as follows:

(1) The general contract, together with alternate propositions.

(2) The heating system, and plumbing system.

Each bid shall be made on a proposal blank obtained at the office of architects, and to be signed by the bidder, and must be accompanied by certified or cashier's check on some responsible bank, or bidder's bond in the amount of ten per cent (10%) of the amount of the bid or proposal, made payable to J. N. Cartwright, clerk of the Board of Trustees, to be retained by the said school district as liquidated damages should the party or parties, to whom the contract shall be awarded fail to enter into contract within ten days after award, or to give bonds required for the faithful performance of the contract.

The successful bidder shall be required to furnish surety bond satisfactory to the Board of Trustees in the amount of fifty per cent (50%) of the contract price as a guarantee of the faithful performance of the contract.

Plans and specifications can be obtained from the architects, room 624 Rowell building, Fresno, California, on a cash deposit of ten dollars ($10.00) to be retained by the architects if the plans are mutilated or are not returned by the time bids are received.

The Board of Trustees reserves the right to reject any and all bids.

Proposals shall be addressed to the owner, in care of the architects, and shall be delivered to the architects in an opaque sealed envelope marked "Proposal" and bearing the title of the work and name of bidder.

By order of the Board of Trustees of the Malaga School District, this 15th day of October, 1921.

(Signed) J. S. CARTWRIGHT,
G. A. SHELDON,
J. N. CARTWRIGHT,
Trustees.

BIDS WANTED FOR REINFORCED CONCRETE AND BRICK SCHOOL

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received and opened by the Board of Trustees of the Napa School District, Napa County, California, **up to 8 o'clock p. m. on the 26th day of October, 1921,** for the erection and completion of a concrete and brick school building to be known as the John L. Shearer Grammar School, in the City of Napa, Napa County, California, all in accordance with plans and specifications made for the same by W. H. Weeks, the authorized architect employed by the Board.

Bids will be received as follows:

(1) The General Contract, together with alternate propositions.

(2) The Heating System.

Plans and specifications can be seen at the office of the Clerk of the Board in Napa, between the hours of 9 a. m. and 3 p. m. of any day, except Saturdays, Sundays and holidays, or at the office of the Architect, W. H. Weeks, 369 Pine street, San Francisco, California, during business hours.

On a deposit of Twenty ($20.00) Dollars complete sets of said plans and specifications may be had by any prospective bidder. If not returned by the time bids are received or if mutilated, the said deposit may be retained by the said School District as agreed and liquidated damages for said mutilation or detention.

Bids must be made on proposal blanks obtained at the office of the Architect and to be signed by the bidder, accompanied by a certified check for at least ten per cent (10 per cent) of the amount of the bid or proposal, certified to by some responsible bank and made payable to Howard E. Roper, Clerk of the Board of Trustees of the Napa School District, to be retained by said School District as liquidated damages should any party or parties to whom the contract shall be awarded fail to enter into contract after the award, or to give bonds required for the faithful performance of the contract or any bond required by law.

The Board reserves the right to reject any and all bids.

Address bids to Howard E. Roper, Napa California, Clerk of the Board.

NOTICE INVITING SEALED PROPOSALS FOR THE CONSTRUCTION OF AN ELEMENTARY SCHOOL BUILDING AT REDWOOD VALLEY

NOTICE IS HEREBY GIVEN, by the Board of Trustees of the Redwood Valley Union School District, at Redwood Valley, Mendocino County, California, that bids will be received by said Board for the erection and construction of a new Elementary School Building at Redwood Valley in said district.

Plans and specifications may be obtained from the Clerk of the Board at Redwood Valley, or from the Architect, Norman R. Coulter, at 46 Kearny Street, San Francisco. A deposit of Ten ($10.00) Dollars will be required for each set of plans.

All bids will be opened by the said Board of Trustees on the **27th of October at 2 P. M.,** at Supt. Good's office, Ukiah, Calif., and all bids must be delivered to Alex Kauhanen, Clerk of said Board, before said hour, enclosed in sealed envelope and marked on the outside, "Bids for construction of Elementary School Building at Redwood Valley."

All bids must be accompanied by a certified check, cash or a certificate of deposit equal to ten (10) per cent of the amount bid; checks or certificates of deposit to be made payable to the Board of Trustees and to be returned to the party or parties whose bid or bids are not accepted, and to the party whose bid is accepted upon his entering into a contract with the said School District and giving such bonds as may be required by law or said Board.

The Board of Trustees reserves the right to reject any and all bids.

ALEX KAUHANEN,
Clerk of the Board of Trustees of the Redwood Valley Elementary School District, Redwood Valley, California.

BIDS WANTED FOR HIGH SCHOOL BUILDING

NOTICE TO CONTRACTORS

The Board of Trustees of the Parlier Union High School District, Parlier, California, will receive sealed bids up until 2 o'clock P. M., November the 5th, at the present High School Building, Parlier, California, at which time and place said bids will be opened and read in public, for furnishing the required labor and materials, for erecting and completing the proposed new High School Building, in accordance with plans and specifications prepared therefore by Anton Johnson, Architect, of Kingsburg, California. Bids will be received separately for the different segregated contracts as follows:

Contract No. I.—For the Excavating, Concrete, Carpenter Work, Millwork, etc.

Contract No. II.—For Masonry Work and Terra Cotta.

Contract No. III.—For all Sheet Metal Work.

Contract No. IV.—Includes Tile Roofing and paper for same.

Contract No. V.—Includes Composition Roofing and Flashing throughout.
Contract No. VI.—For Lathing and Plastering.
Contract No. VII.—For Furnishing and placing of Blackboards.
Contract No. VIII.—For the Painting.
Contract No. IX.—For Plumbing, Sewering and Gas Fitting.
Contract No. X.—For Electrical Work.
Contract No. XI.—Includes Program Clock and Bell System.
Contract No. XII.—For the Heating and Ventilating.

A certified check or bidders' Bond for an amount not less than ten per cent (10%) of amount of bid should accompany each proposal, made payable to the order of Mr. F. B. Frost, Clerk of the Parlier Union High School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said High School Board in accordance therewith, and shall furnish bonds as required by the specifications. Said check or bidder's bond to be forfeited to the said High School District should the bidder refuse to execute contract and furnish bond as above mentioned.

Plans and specifications for all the above work may be seen in the office of the architect.

A deposit of $20.00 will be required from all contractors receiving plans. Said deposit will be refunded when plans and specifications are returned in good condition.

The Board reserves the right to reject any or all bids submitted.

By order of the Board of Trustees, Parlier Union High School District, Parlier, California, by Mr. F. B. Frost, Clerk of the Board of Trustees.

Dated, October 10, 1921.

BIDS WANTED FOR INFIRMARY BUILDINGS, HEATING SYSTEM, ETC.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept. 29, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., October 31, 1921, for the construction (except mechanical equipment) of an Infirmary Group (3 buildings), and for extensions to the heating, power, and refrigerating plants, for the United States Public Health Service Hospital, at Fort Bayard, N. Mex. Drawings and specifications may be obtained from the Superintendent of Construction at Fort Bayard, New Mexico, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR OFFICERS' QUARTERS, ETC.

INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 30, 1921.—SEALED PROPOSALS will be opened in this office at 3 P. M., November 2, 1921, for the construction complete (except mechanical equipment) of two semi-ambulant quarters, four double quarters for Officers, one double quarters for 1st class Personnel, and one quarters for married Attendants for the United States Public Health Service Hospital No. 50, at Whipple Barracks, Prescott, Arizona. Drawings and specifications may be obtained at this office or from the Superintendent of Construction at Whipple Barracks, Prescott, Arizona, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on October 31st, 1921,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made.

(1) Work incidental to the State Highway as follows: Glenn County near Orland (III Gle-7-C) consisting of the construction of pile and wire dikes and the planting of willow cuttings for the protection of Stony Creek bridge.

(2) Portions of State Highway as follows: San Joaquin County, between 1.3 miles east of Clements and Easterly Boundary (III-S. J. 24-A), about 4.3 miles in length to be graded.

San Luis Obispo County, across Huasna Creek and Alamo Creek, (V-S. L. O.-57-A), two bridges as follows: Across Huasna Creek a bridge consisting of two steel spans of 100 feet each, with reinforced concrete girder approach spans; across Alamo creek a bridge consisting of two steel spans of 100 feet each.

Los Angeles County, between Las Flores Canon and Santa Monica (VII-L. A.-60-B), about 7.4 miles in length to be paved with Portland cement concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

BIDS WANTED FOR SCHOOL BUILDING

(Two-story Concrete and Brick Structure—$210,000.)

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of Education of the Sacramento City School District for the complete erection of a school building in accordance with plans and specifications on file in the office of the Secretary of the Board of Education of the Sacramento City School District, Room 300, City Hall, Sacramento, California, and also in the office of Hemmings-Petersen-Hudnutt, Inc., Architectural and Engineering Commission, Sacramenary, Elementary Schools, third floor of City Library, 9th and I Streets, Sacramento, California.

The said school building is to be erected on the tract of land owned by the School District, at Franklin Blvd., between 7th and 9th Avenues, situated in the City of Sacramento, State of California.

On a deposit of $20.00 with the Board of Education, or the Architectural and Engineering Commission, complete sets of plans and specifications may be had by any prospective bidder, and retained for a period of 15 days. The deposit will be returned to the bidder on the return of the plans and specifications in good condition.

Bids must be made on proposals obtained at the office of the Architectural and Engineering Commission, and be signed by the bidder, accompanied by a certified check for a least 10% of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to the Secretary of the Board of Education of the Sacramento City School District, said check to be forfeited to and retained by the School District, should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award, or to give bonds as required. Bids must be plainly marked on the exterior "Proposal for Bret Harte School Building."

All bids must be filed with the Secretary of the Board of Education of the Sacramento City School District, Room 300, City Hall, Sacramento, California, **not later han 7:30 o'clock p. m., Monday, November 7th, 1921.**

The Board of Education of the Sacramento City School District reserves the right to reject any and all bids.

BOARD OF EDUCATION,
SACRAMENTO CITY SCHOOL DISTRICT
Chas. C. Hughes, Secretary.

BIDS WANTED FOR GRADING AND SCHOOL EQUIPMENT

NOTICE TO CONTRACTORS AND BUILDERS

NOTICE IS HEREBY GIVEN that sealed bids will be received and opened by the Board of Trustees of the Salinas Union High School District, Monterey County, California, **up to 8 o'clock P. M., on the 28th day of November 1921,** at the office of the Board in the high school building for the above named district in accordance with plans and specifications made for the same by Ralph Wyckoff, the authorized architect, employed by the Board.

Bids will be received on grading, and school equipment.

Plans and specifications can be seen at the office of the Clerk of the Board at Salinas, California, or at the offices of the Architect, Ralph Wyckoff, Salinas, California, or Pajaro Valley National Bank Building, Watsonville, California.

A deposit of five ($5.00) cash will be required on all plans loaned out as a guarantee of good faith.

All bids to be made out on blank forms furnished by the architect and must be accompanied by a check for not less than five per centum (5%) of the amount of bid, made payable to E. L. Van Dellen, Clerk of the Board, and certified to by some responsible banking house. This check to be forfeited in the event that the successful bidder, after having been awarded the contract fails within ten (10) days to sign the contract and furnish a good and sufficient bond, as required by law.

The Board reserves the right to reject any or all bids.

Dated at Salinas, California, this 17th day of October, 1921.

E. L. VAN DELLEN,
Clerk of the Board of Trustees, Salinas Union High School District.

BIDS WANTED FOR U. C. CREAMERY BUILDING

PROPOSAL FOR BIDS

Sealed bids will be received at the office of the Comptroller, University of California, Berkeley, California, **at or before 9 a. m., Monday, October 31st, 1921,** for Concrete Work, Hollow Tile and Terra Cotta Work, Lathing, Furring and Plastering Work, Roofing Work, Plumbing Work, Refrigeration Work, Electric Work, Tile Work, Elevators, Painting Work, Carpentry, Mill Work, etc., for the Creamery Building on the grounds of the University Farm School, at Davis, California.

Plans and specifications may be obtained at the office of Wm. C. Hays, 1325 First National Bank Building, San Francisco, on deposit of $50 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications in good condition and accompanied by a regular bid for the work. No bids will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA.

MACHINERY

(Continued from Page 16-a)

OROVILLE, Butte Co., Cal.—Until October 26, 5 P. M., bids will be received by Mildred P. Martin, Clerk, Oroville Union High School District, for furnishing and delivering one Reo speed wagon chassis and wind shield, with Meister body. Specifications on file in office of Secretary, Room 6, Jones Bldg., Oroville.

REDWOOD CITY, San Mateo Co., Cal.—Due to the fact that the certified check of the San Francisco Steel Products Co. is not in compliance with the official call for bids, it is possible that the contract awarded to that firm for furnishing the city with cast iron pipe will be withdrawn. The company bid $3,189.74. Matter referred to City Attorney Albert Mansfield.

LOS ANGELES, Cal.—Until 3 p. m., Nov. 15, bids will be received by Board of Public Service, 207 S. Broadway, for pump and motor. Spec. No. 588. Jas. P. Vroman, secretary.

SANTA CRUZ, Santa Cruz Co., Cal.—County Supervisor C. B. Lewis authorized to purchase a 3½-ton Fageol truck for use in Pajaro Road District. Lloyd Bowman, County Surveyor.

LOS ANGELES, Cal.—The following bids were received by Board of Public Works Oct. 17 for 5-ton elec. crane and runways for garbage loading station: Llewellyn Iron Works, $7235 compl., delivery 45 days after receipt of contract; Baker Iron Works, $6439 without runway, $1720 for runway, $159 compl.; Fulton Iron Works, $10,-443 compl., $8066 for crane and $2777 for runway.

FIRE EQUIPMENT

SAN FRANCISCO—The following bids were received by the Board of Public Works for constructing a 7500-gallon reinforced concrete fire cistern at Lakeview and Josiah Avenues:

H. S. Glackin	$7940
R. C. Hackley & Co.	7150
A. H. Vogt	7323
Schultz Constr. Co.	6885

SAN FRANCISCO.—Until Nov. 2, 8:30 p. m., bids will be received by Frank T. Kennedy, secretary, Fire Commission, for making certain repairs to fireboat "David Scannell." Blanks for bidding and spec. may be had from secretary, basement, City Hall.

SACRAMENTO, Cal.—City Controller H. C. Bottorff will sell at public auction in Room 110, City Hall, on Oct. 24, 10:30 a. m., approx. 1600 ft. of used fire hose without couplings. Bids to be offered, price per ft.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SAN DIEGO, Cal.—Warren Constr. Co., Rialto Bldg., San Francisco, awarded contract at $123,910 for paving Chatsworth Blvd., Lytton St. and portion of Catalina and Voltaire Sts., Point Loma, with 4½-in. bitulithic.

VENICE, Los Angeles Co., Cal.—Koebig & Koebig, consulting engineers, Title Insurance Bldg., Los Angeles, have filed with the City Trustees their report on a sewage disposal system for the city, estimating the cost at $336,470. A system of septic tanks, screens, settling basins and an outfall into the ocean are proposed. Carrying the effluent to a point where the water is 25 ft. deep at low tide would require an extension of one of the piers for the outfall line.

SANTA CRUZ, Santa Cruz Co., Cal.—Until Oct. 26, 2 p. m., bids will be received by H. Miller, County Clerk, for improving 3.549 miles of the county highway bet. Santa Cruz and Boulder Creek (Contract No. 7, Division III., Section III., Layout VII.). Lloyd Bowman, County Surveyor.

NAPA, Napa Co., Cal.—County Surveyor O. H. Buckman instructed to prepare specifications for graveling portions of Berryessa Road in Road District No. 4; and also for crushing and hauling rock on Central Ave. and certain streets in the town of Yountville and make survey of the proposed Road down Capell Creek in Road Dist. No. 4.

TAFT, Kern Co., Cal.—Until 7:30 P. M. October 24, bids will be received by City Clerk C. Z. Irvine for furnishing f. o. b. Taft 4-in. and 6-in. cast iron or standard screw pipe in accordance with specifications on file in office of City Clerk. Alternate bids will be taken for other pipe to withstand working pressure of 200 lbs. to sq. in. bidder to furnish specifications. Certified check for 5%. E. M. Lynch, Central Bldg., Los Angeles, engineer. Contract will involve 10,150 ft. 4-in., and 4220 ft. 6-in. pipe.

SAN JOSE, Santa Clara Co., Cal.—City Council, John J. Lynch, City Clerk, declare intention to improve Ninth St., bet. St. John and Julian Sts., by laying, paving with 1½-in. asph. concrete wearing surface with 3-in. asph. concrete base, 3 brick catchbasins. Improvement Bond Act 1915. Wm. Popp, City Engineer.

FULLERTON, Orange Co., Cal.—Contracts for water works extensions were awarded as follows: Trenching, laying and backfilling for about 16 mi. of pipe to M. & F. Pipe Line Constr. Co., 334 Douglas Bldg., Los Angeles, at $38,725. 2400 tons cast iron pipe and fittings to U. S. Cast Iron Pipe & Foundry Co. at $75,194 for pipe and $5800 for fittings f. o. b. Birmingham, Ala., gate valves, Pacific Pipe & Supply Co., $5208; 44 fire hydrants, Mark-Lally Co., $2540; service pipe, Mark-Lally Co., $1196; bronze fittings, James Jones Co., $354; lead and lead pipe, Crane Co., $539; J. B. Lippincott, Consulting Engineer, Central Bldg., Los Angeles.

FORTUNA, Humboldt Co., Cal.—City Trustees, Geo. R. Lane, Clerk, declare intention to improve C street from 3rd to 7th by grading, paving with 5-in. reinforced concrete; concrete and iron catchbasins, corrugated iron culverts, and constructing concrete bridge over Rohner creek. Improvement Act 1911. Protests will be heard October 21.

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SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications to construct 1,650 sq. ft. art. stone sidewalks in portions of 19th St. bet. Cabrillo and Fulton; 27th Ave. bet. Geary and Anza; 28th Ave. bet. Geary and Clement, and 35th Ave. bet. Balboa and Cabrillo. Estimated cost, $300.

OAKLAND, Cal.—Hutchinson Co., 444 17th St., has been awarded a contract by the Council to improve Orion St., between 62nd and 64th avenues.: Grading, $.05 sp. ft.; concrete curb, $.75 lin. ft.; concrete gutter, $.26 sp. ft.; oil macadam pavement, $.137 sq. ft.; cement sidewalk, $.175 sq. ft. Geo. Mattis is City Engineer.

TAFT, Kern Co., Cal.—Until 7:30 P. M., October 24, bids will be received by City Clerk C. Z. Irvine for laying sanitary sewers and constructing flushtanks and manholes. City will furnish vitrified pipe for sewers. Certified check or bond for 10%. E. M. Lynch, Central Bldg., Los Angeles, City Engineer. The contract will involve trenching, laying and backfilling for 7500 ft. 8-in., 3300 ft. 12-in. and 2000 ft. 15-in. pipe, 15 flush tanks, 12 manholes and 8 junction chambers. Contractor will furnish all materials except pipe which will be delivered to city f. o. b. Taft by Tropico Potteries, Inc. Cash job.

FRESNO, Fresno CSo., Cal.—Isbell Construction Co., Fresno, at $52,855 has been awarded a contract by the Supervisars to reduce the grade on Toll House hill. Estimate of Chris P. Jensen, County Surveyor, $51,391.

MERCED, Merced Co., Cal.—Immediate construction of proposed County highway from Cox Ferry bridge over Merced River to Snelling and Merced Falls is planned by Supervisors. It is now proposed to place a concrete surface on the road in place of macadam as originally planned. A. E. Cowell, County Surveyor.

GUSTINE, Merced Co., Cal.—Until October 26, 7:30 P. M., bids will be received by W. L. Chappell, City Clerk, for improving South Ave., from west city boundary to Sixth Ave.; Sixth Ave., from South Ave. to Fifth St.; First Ave., from Fifth to intersection of Fourth Ave., and North St., and Fourth St., from First Ave. to north city boundary, including intersections, by grading, paving with 3-in. asphaltic concrete base with 2-in. Warrenite-Bitulithic wearing surface, corrugated culverts, concrete headwalls, etc. Improvement Bond Act 1915. Certified check for 10% payable to city required with each bid.

DINUBA, Tulare Co., Cal.—City Engineer Sloan, at last meeting of the Trustees, reported plans completed for a sewerage plant. The plans have been forwarded to State Board of Health for approval.

FRESNO, Fresno Co., Cal.—F. B. Marks has been awarded a contract by the Supervisors to furnish and deliver 28,100 tons of crushed rock for use on White's bridge road running into Dos Palos. Piedra Rock & Gravel Co., only other bidders. Chris P. Jensen, County Surveyor.

MODESTO, Stanislaus Co., Cal.—Guy Johnson, Modesto, at $2175, awarded contract by Council to construct two brick buildings to house Municipal Wells No. 6 and 7. Geo. Freitas, City Engineer.

FRESNO, Fresno Co., Cal.—Until Oct. 27, 3 p. m., bids will be received by R. Y. St. George, City Clerk, for improving Normal Ave. bet. Van Ness and Lucerne Lane, grading, paving with 3½-in. asph. concr. base with 1½-in. Warrenite wearing surface, concr. curbs, gutters, sidewalks. Imp. Act 1911.

Separate bids, same date, for grading and paving with concrete alley in blk. bounded by Boles, North Park, Franklin and Belmont Aves. Imp. Act 1911. Wm. Stranahan, Comm. of Public Works.

LOS ANGELES, Cal.—Geo. R. Curtis, 2440 E. 26th St., Los Angeles, awarded contract at $16,291.82 for improving Oxford Ave. bet. Santa Monica Blvd. and Lemon Grove Ave., involving 44,787 sq. ft. grading, 44,787 sq. ft. asph. paving, 196 sq. ft. concr. paving, 1913 ft. curb, 3157 sq. ft. concr. gutter, 60 ft. house connection sewers. Fairchild-Gilmore-Wilton Co. submitted only other bid at $16,831.90; engineer's estimate, $15,734.80.

Fairchild-Gilmore-Wilton Co., L. A. Ry. Bldg., Los Angeles, awarded contract at $37,384.72 for improving Santa Cruz St. bet. Pacific Ave. and Gaffey St. (San Pedro), involving 70,458 sq. ft. grading, 70,458 sq. ft. asph. paving, 2479 sq. ft. concr. paving, 6202 sq. ft. rough grading, 6202 sq. ft. oiling and rolling, 17,307 sq. ft. sidewalk, 5247 sq. ft. concr. gutter and house sewers. No other bid; engineer's esti., $36,242.55.

TUCSON, Ariz.—Claude Fisher, 328 E. Willetta St., Phoenix, Ariz., was awarded the contract at $58,566.33 for grading streets and constructing curb and sidewalks in University Manor in eastern part of city. Goodman & Merrill submitted only other bid at $71,887.57.

TUCSON, Ariz.—Goodman & Merrill, Tucson, were awarded contract at $47,488.20 to construct sewers in University Manor and Sixth St. in eastern part of Tucson. Claude Fisher of Phoenix submitted only other bid at $63,370.48.

FRESNO, Fresno Co., Cal.—Until Oct. 27, 3 p. m., bids will be received by R. Y. St. George, City Clerk, for constructing 6-in. vit. clay pipe lateral sewer from manhole in place in Clara Ave. 10 ft. south of California Ave., north 30 ft.; thence west 20 ft. to the inter. of California Ave. and the alley in Blk. 240; thence northwest along alley in Blks. 240 and 242, Paige Tract, to manhole to be constructed 100 ft. northwest from Blk. 2, Paige Tract, 4-in. on 5-in. wyes for each lot frontage and manholes. Imp. Act 1911. Wm. Stranahan, Comm. of Public Works.

EL MONTE, Los Angeles Co., Cal.—Until 8 p. m., Oct. 31, bids will be received by trustees of Temple grammar school for 8-in. vit. sewer pipe to extend from Temple school to river bed, about 8000 ft. Geo. Metcalf, Clerk.

PORTLAND, Ore.—Until Nov. 8 bids will be received by District Engineer, Bureau of Public Roads, Postoffice, for grading last unit of Mount Hood Loop; approx. 17 miles.

MILL VALLEY, Marin Co., Cal.—Trustees petition to improve Laurel, Sunnyside and Parkwood Sts. J. C. Oglesby, Town Engineer.

SAN BERNARDINO, Cal.—According to City Engineer C. E. Johnson, street improvement work on 26½ city blocks, or 3.4 mi., is awaiting contract. The largest job pending is paving of Rialto Ave., about 9 blocks. Sidewalk has been ordered on 17 blocks and curb on 2½ blocks. The construction of 4.9 mi. of sewers is also planned.

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MODESTO, Stanislaus Co., Cal.—Until Oct. 26, 8 p. m., bids will be received by L. A. Love, City Clerk, for improving 9th St. bet. B and E Sts., grading, paving with 4-in. concr. base with 1½-in. bitulithic wearing surface; concr. curbs and gutters.

Separate bids, same date, for improving 15th St. bet. E and Burney; Burney from 15th to Jennie and D from Jennie to Burney, grading, paving with 1½-in. asph. concr. base with 1½-in. bitulithic wearing surface; concrete curbs and gutters. Geo. Freitas, City Engineer.

NAPA, Napa Co., Cal.—County Surveyor Edw. P. Ball instructed to prepare specifications for a retaining wall on Mt. Veeder road near Dutch Flat.

STOCKTON, San Joaquin Co., Cal.—County Surveyor F. E. Quail preparing specifications for improving French Camp road from Brennan corner to Stanislaus County line via Naglee cutoff; approx. 4.7 miles; estimated cost, $4,500.

MODESTO, Stanislaus Co., Cal.—City Council, L. A. Love, Clerk, declares intention to improve Needham St. bet. 7th and McHenry Ave., grading, paving with 4-in. concr. base with 1½-in. bitulithic wearing surface; concr. curbs and gutters. Imp. Act. 1911. Protests Nov. 9. Geo. Freitas, City Engineer.

STOCKTON, San Joaquin Co., Cal.—Until Nov. 8 bids will be received by Eugene Graham, County Clerk, for improving 8.1 miles of Wild Goose Valley road from Clements to Amador County line; estimated cost, $66,000; also for improving approx. 2 miles of Carlin road, estimated cost $18,080; also for improving 1½ mi. of Tracy-Bethany road, estimated cost, $7,975. F. E. Quail, County Surveyor.

FRESNO, Fresno Co., Cal.—Isbell Constr. Co., P. O. Box 584, Fresno, awarded contract by Supervisors at $1,391 for reconstructing Tollhouse road, involving 14,800 yds. excav. (a) at $1.50 yd.; 8620 cu. yds. excav. (b) at $2 yd.; 50 cu. yds. cem. rubble at $15 yd.; 1350 cu. yds. dry rubble at $6 yd.; 20 ft. 8-in. corru. pipe at $1.55 ft.; 660 ft. 12-in corru. pipe at $2.85 ft.; 100 ft. 4-in. corru. pipe at $5 ft. No other bids. Engineer's est., $52,856. Chris. Jensen, County Surveyor.

CALIFORNIA.—Following bids received by State Highway Commission Oct. 17:

Lassen County, between the westerly city boundary and Pine St. in Susanville (II-Las-29-B), about 0.2 miles in length to be graded; 2000 cub. yds. excavation without classification; 10 cu. yds. Class "A" Portland cement concr. (culverts and monuments); 50 lin. ft. 12" and 110 lin. ft. 18" corru. metal pipe; 11 monuments. Commission will furnish reinf. steel, corrugated metal pipe and cement.

Northern California Constr. Co., Alturas $3309.50
Engineer's estimate 5263.55

Tuolumne County bet. westerly boundary and one mile north of Keystone (III-Tuo-13-A), about 9.4 miles in length, to be paved with Portland cement concr.; 14,00 cu. yds. excavation without classification; 11,500 cu. yds. Class "A" Portland cem. concr. pavement. Commission will furnish cement and aggregate for concrete in stockpiles along the work.

Northern California Constr. Co., Alturas $129,250
Pacific Constr. Co., S. F. 129,300
Healy-Tibbitts Constr. Co. 136,950
Warren Constr. Co., Portland .. 146,520
Conners & Hansen, Santa Rosa 147,500
R. J. Blanco, Vallejo 161,775
J. G. Beckjorg, Los Angeles ... 164,750
Engineer's estimate 164,450

SEATTLE, Wash.—R. C. Storrie Co., Crocker Bldg., San Francisco, at $2,203,865, submits low bid to City Council for constructing 11,000 ft. tunnel for Skagit power project, to carry water from the damsite to power house at Gorge Creek. Other bidders were: Puget Sound Bridge and Dredging Co., $2,332,371; Grant Smith Co., $2,476,841. The tunnel will be driven through solid granite, 23 ft. in dia., and will be lined with a thick coating of concrete.

SACRAMENTO, Cal.—Until Oct. 27, 9 p. m., bids will be received by M. J. Desmond, City Clerk, for fur. and installing complete pumping unit for sewerage pumping station No. 1, consisting of 2 centrifugal pumps, 1 electrical motor and auxiliary equipment. Spec. on file in office of clerk.

LONG BEACH, Cal.—Plans and spec. for paving E. Third St. bet. Alamitos and Junipero Aves. with concr. base and asph. surface, have been completed by City Engineering Department.

EL CENTRO, Imperial Co., Cal. Following bids received by Supervisors for paving on Brawley-Calipatria roads, bids being taken both for cem. concr. and Willite pavement, about 616,945 sq. ft.: Concrete George R. Daley, McNeece Bldg., San Diego, $158,193; W. F. Beal, $159,253; Geo. H. Oswald, $161,203.04; Los Angeles Paving Co., 175,758. Willite—Los Angeles Paving Co., $145,113.19; Geo. H. Oswald, $168,194.97; California Willite Constr. Co., $171,279.74. Bids taken under advisement.

LOS ANGELES, Cal.—Geo. W. Tuttle Co., 532 Mason Bldg., Los Angeles, submitted to Supervisors, Oct. 17, lowest bid at $16,232.32 for paving with concr. Santa Monica Blvd. bet. Fairfax Ave. and Olive Dr., 3675 lin. ft., in Road Dist. No. 3, involving 1096 cu. yds. excav., 1037 cu. yds. removing old macadam, 3675 lin ft. shaping roadbed, 7738 sq. yds. replacing old macadam, 7738 sq. yds. disint. gran. base, 1768 ft. curb, 3678 lin. ft. concr. curtain wall, 7708 sq. yds. 6-in. concr. pavement. Other bidders: E. L. Garretson & Son, $17,277.14; engineer's esti., $16,043.49. Bids referred to County Road Com. Jones.

CALIFORNIA.—Following are approximate quantities of materials for projects for which State Highway Com. will open bids Oct. 31:

Los Angeles County, bet. Las Flores Canon and Santa Monica (VII-LA-60-B), about 7.4 miles in length, to be paved with Portland cement concrete.

210,000 cu. yds. excavation without classification.

14,810 yds. Class "A" Portland cement concrete (pavement).

430 cu. yds. Class "A" Portland cement concrete (culverts and monuments).

136 lin. ft. 18-in., 1104 lin ft. 24-in. 148 lin. ft. 30-in. and 512 lin ft. 36-in reinforced concrete pipe.

3000 lin. ft. guard rail.

227 monuments.

Commission will furnish reinforcing steel, reinforced concrete pipe, cement and sand and coarse aggregate for concrete.

San Joaquin County, between 1.3 miles east of Clements and Easterly Boundary (III-SJ-24-A), about 4.3 miles in length, to be graded.

23,000 cu. yds excavation without classification.

95 cu. yds. Class "A" concrete (culverts and monuments).

322 lin. ft. 12-in., 268 lin. ft 15-in., 30 lin. ft. 18-in. and 80 lin. ft. 24-in. corrugated metal pipe.

4,000 lin. ft. guard rail.

54 monuments

Commission will furnish reinforcing steel, corrugated metal pipe, cement and sand and coarse aggregate for concrete.

REDDING, Shasta Co., Cal. Pacific Gas and Electric Co. will spend $40,000 in improving Redding water system.

LOS ANGELES, Cal.—E. L. Garretson & Son, 1346 Fairfax Ave., submitted lowest bid to Supervisors, at $56,000, for paving with concr. Firey Ave. from Covina Blvd. to Foothill Blvd., 5118 lin. ft., in Road Imp. Dist. No. 172. Other bids were: Fleming Constr. Co., Pomona, $56,500; H. M. Hanawalt, La Verne, $62,500; Sander Pearson, $69,750; Wells & Bressler, Santa Ana, $72,000; engineer's esti., $58,392.10. Bids referred to County Road Com. Jones.

LOS ANGELES, Cal.—Fowler & Meyers, 345 S. Flower St., submitted lowest bid to Supervisors, at $7947, to construct sewage disposal system at Olive View Sanitarium. Other bids were: W. M. Ledbetter & Co., $8977; S. M. Kerns, Long Beach, $9300; Thos. Haverty Co., $9480; Ralph Homann, $9624; Wattson & Hunter, $9700; Napier & Simpson, $10,750.

LONG BEACH, Cal.—Plans for the proposed storm sewer to drain American, Locust and Pine Sts. and intersecting streets south of Tenth will be presented to Council soon. The main sewer in Pine Ave. will be 42 in. diameter.

HANFORD, Kings Co., Cal.—Until Oct. 29, 6 p. m., bids will be received by T. B. Hooker, Clerk, Lucerne School District, for install. water pressure system and equipment at school grounds to supply needs of 100 pupils and irrigation of school grounds. Spec. will be furnished on request.

WHITTIER, Los Angeles Co., Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., Los Angeles, awarded contract at $100,494.82 for the improvement of Greenleaf Ave. from Orange Dr. to Bailey St. and from College St. to south city limits, involving 404,243.53 sq. ft. (9200 cu. yds.) grading at 4c ft.; 404,243.53 sq. ft. 6-in. cem. concr. pavement at 19.7c ft.; 709.18 ft. curb at 55c ft., 1195.28 sq. ft. sidewalk at 20c ft. and reinf. concr. culvert, 5x5 ft., at [illegible] complete. Geo. R. Curtis of Los Angeles submitted next low bid at $105,684.62. P. E. Todd, City Engineer.

SACRAMENTO, Cal.—Northern California Construction Co., Alturas at $3309.50, awarded contract by State Highway Commission for grade 0.2 mi. of highway in Lassen County bet. the west city boundary and Pine St. in Susanville (II-Las-29-B).

Same firm, at $129,250, was awarded contract to pave with concrete 9.4 mi. of highway in Tuolumne County bet. west boundary one mi. north of Keystone (III-Tuo-13-A).

OAKLAND, Cal. City Council, Eugene K. Sturgis, clerk, declares intention to construct 8-in. cit. sewer and brick manhole in 22nd Ave. bet. E. 30th and [illegible] and a portion of E. 31st St. west of 22nd Ave. Geo. Matter, City Engineer.

SAN RAFAEL, Marin Co., Cal.—George M. Dodge has been appointed County Surveyor to fill the vacancy caused through the resignation of Charles Richardson.

FRESNO, Fresno Co., Cal.—City Council, R. Y. St. George, Clerk, declares int. to improve Linden Ave. bet. Olive and Florodora by grading, paving with 3½-in. asph. concr. base with 1½-in. Warrenite-Bitulithic wearing surface; concr. curbs, gutters and sidewalks; corru. culverts. Imp. Act 1911. Protests Nov. 3.

Council declares intention to construct 6-in. vit. clay pipe lateral sewer from sewer in place in alley of block 331, 10 ft. southeast of San Joaquin St., thence northwest along alley in block 349 to manhole to be constructed 10 ft. southeast of Amador St.; 4-in. on 6-in. wyes for each lot frontage. Imp. Act 1911. Protests Nov. 3. Wm. Stranahan, Commissioner of Public Works.

HANFORD, Kings Co., Cal.—Santa Cruz Portland Cement Co. (through Central Lumber Co., Hanford), awarded contract by Supervisors to furnish 900 bbls. cement at $4.08 f. o. b. Cuneo Siding. S. P. Roy May, County Surveyor.

HAYWARD, Alameda Co., Cal.—Town Engineer Jesse Holly preparing spec. for curbing and graveling Arsett Ave. off upper B St. Bids will be asked shortly.

SACRAMENTO, Cal.—County Surveyor Drury Butler instructed to prepare spec. for improving highway from Vorden into Pearson district.

OAKLAND, Cal.—George Posey, former Deputy County Surveyor, has been appointed County Surveyor by the Supervisors, to fill the vacancy caused through the death of P. A. Haviland.

NAPA, Napa Co., Cal.—Until Oct. 31, 10 a. m., bids will be received by James A. Daly, County Clerk, for surfacing with gravel that portion of the Berryesa road bet. George W. Raney ranch and bridge across Capell Creek.

Separate bids, same date, for surfacing with crushed rock County Road known as Center Ave.

Separate bids, same date, for surfacing with crushed rock certain streets in the Town of Yountville. Cert. check 10% payable to Chair. Bd. of Sups. required with each bid. Plans may be had from Edw. P. Ball, County Surveyor.

SAN FRANCISCO.—City Engineer M. M. O'Shaugnessy completes specifications for constructing 15,980 lin. ft. concr. curbs and 300,510 sq. ft. asph. concr. pavement in Mission Terrace.

SAN FRANCISCO — Following low bids were received by the Board of Public Works for street improvements:

C. B. Eaton, $2341—London street from Excelsior avenue northerly, involving 2173 sq. ft. artificial stone sidewalks; 150 lin. ft. concrete curb and 6000 asphaltic concrete pavement.

City Constr. Co., $1831—Craut street between Maynard and Ney streets, involving 360 cu. yds. cut; 195 lin. ft. concrete curb; 2340 sq. ft. asphaltic concrete pavement.

T. M. Gallagher, $1935—Revere Ave. between Silver and Rankin, involving 615 lin. ft. 12-in. sewer; 24 wye branches; 3 brick manholes. Other bidders: Fay Improvement Co., $2118 and State Improvement Co., $1992.

T. M. Gallagher, $1995—La Grande avenue between Brazil and Persia avenues, involving 280 lin. ft. 18-in. and 390 lin. ft. 12-in. sewer; 17 12-in. and 11 18-in. wye branches; 3 brick manholes. Other bidder: State Improvement Co., $2087.

TORRANCE, Los Angeles Co., Cal.—Until 8 p. m., Nov. 1, bids will be received by City Clerk Robt. J. Deininger for improving 7 city streets, under 1915 Bond Act, involving about 21,000 cu. yds. grading on a street area of about 586,800 sq. ft.; 207,000 sq. ft. oiling and graveling; 86,400 sq. ft. 3-in. macadam; 14,142 lin. ft. curb and 27,973 sq. ft. sidewalk. Plans and spec. may be obtained at office of H. R. Postle, City Engineer, Postoffice Building, Torrance, or at office of Postle Co., 633 Van Nuys Bldg., Los Angeles.

BAKERSFIELD, Kern Co., Cal.—Until 10 a. m., Oct. 31, bids will be received by Supervisors for improvement of Reward road from McKittrick northwesterly in Road Imp. Dist. No. 15, 5.78 mi., involving 31,900 cu. yds. excav.; 518,850 sq. ft. 8-in. concr. pavement; 56,386 sq. ft. 8-in. concr. pavement reinforced; 55,200 lbs. reinf. steel; 28 corru. iron culverts, 12 to 48-in. diam.; 1400 cu. yds. excav. for culverts; 170 cu. yds. plain and 42 cu. yds. reinf. concr. for culvert and walls; 4820 lbs. reinf. concrete for culvert and walls; 4820 lbs. reinf. steel. Plans and spec. may be obtained at office of Paul E. Kressly, 732 H. W. Hellman Bldg., Los Angeles, consulting engineer, on payment of $10. F. E. Smith, County Clerk.

LOS ANGELES, Cal.—Geo. W. Tuttle Co., 532 Mason Bldg., awarded contract by Supervisors at $16,232.32 for paving with concr. Santa Monica Blvd. bet. Fairfax Ave. and Olive Dr., 3675 lin. ft., in Road Dist. No. 3. Project involves: 1096 cu. yds. excav., 1037 cu. yds. removing old macad.; 3675 lin. ft. shaping roadbed. 7738 sq. yds. replacing old macad.; 7738 sq. yds. disint. gran. base, 1768 ft. curb, 3678 lin. ft. concr. curtain wall, 7708 sq. yds. 6-in. concr. pavement. E. L. Garretson & Son, $17,277.14. Engineer's est., $16,043.49.

SAN FRANCISCO—No bids were received by the Board of Public Works October 19 for the following street improvements:

Fortieth avenue between Balboa and Cabrillo, involving 1080 cu. yds cut; 1295 lin. ft. concrete curbs; 6060 sq. ft. artificial stone sidewalks; 3 brick catchbasins; 105 lin. ft. 10-in. culverts; 4200 sq. ft. brick pavement; 24,693 sq. ft. asphaltic concrete pavement.

De Haro street between 19th and 20th, involving 909 lin. ft. concrete curbs; 16,000 sq. ft. concrete pavement; 4440 sq. ft. asphaltic concrete pavement; 8002 sq. ft. artificial stone sidewalks; 3 brick cotchbasins.

Jerrold avenue between San Bruno and Napoleon, involving 1660 lin. ft. concrete curbs; 58,500 sq. ft. asphaltic concrete pavement; 8 brick catchbasins; 240 lin. ft. 10-in. culverts.

CALEXICO, Imperial Co., Cal.—The city is about to readvertise for bids for the large street grading and sidewalk job which was advertised last spring but not let. The notice of intention is now being published, work to be done under 1911 Act, and, according to the present schedule, bids will be opened about Nov. 15. This is one of the large jobs for the Imperial country the coming season. It will involve about 100,000 lin. ft. concr. curb, 505,000 sq. ft. cem. sidewalk, 33,000 sq. ft. cross walks and 94,000 sq. ft. street grading. Final estimates of quantities will not vary much from these figures. Allison & Entenmann, Anderson Bldg., Calexico, engineers.

EL CENTRO, Imperial Co., Cal.—Los Angeles Paving Co., 2900 Santa Fe Ave., Los Angeles, awarded contract at $145,113.19 for paving 7.5 mi. of Brawley-Calipatria County Road 16 ft. wide with Willite, the unit prices being $1.20 cu. yd. for excav. and 23.5c sq. ft. for paving (about 616,954 sq. ft.). The same firm bid 28c sq. ft. for concr. paving and 4c lb. for reinf. steel. County furnishes sand and gravel. Other bids were:

Geo. R. Daley, San Diego, $158,193.66.

W. F. Beal, Brawley, $159,253.66.

Geo. H. Oswald, Los Angeles, $161,203.04; 27.75c Willite; total $168,194.97.

Calif. Willite Road Constr. Co., (Willite paving), $171,279.74.

REDWOOD CITY, San Mateo Co., Cal.—City Trustees, W. A. Price, Clerk, declare intention to improve Duane St. from Whipple Ave. to Broadway; Brewster Ave. from El Camino Real to Broadway; Arch St. from Brewster to Broadway with asph. oil wearing surface. Imp. Act 1911. C. L. Dimmitt, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—City Engineer L. L. Mills preparing spec. for paving Barnett Ave. bet. A and So. Davis; Third St. bet. E and F and — St. bet. E and F Sts.; pave. will consist of 3-in. asph. concr. on 4-in. macadam base. Council orders construction of curbs and gutters in Barnett Ave., and sidewalks in Clark St. from So. E to its end; also in east side of Santa Rosa Ave. bet. Pine and Bennet Ave. where not already.

BAKERSFIELD, Kern Co., Cal.—According to a report filed by Olmstead & Gillelen, engineers, Hollingsworth Bldg., Los Angeles, on a municipal water system for Bakersfield, the cost of a pumping system along the lines of those now in existence but expanded to meet the present needs of the city, will be in the neighborhood of $1,150,000, and the subsequent conversion of the system into a gravity system, fed by the waters of Kern River, will be $2,550,000; the latter figure does not include the acquisition of water rights, the cost of which will be problematical.

SANTA ANA, Orange Co., Cal.—Geo. R. Curtis, 2440 E. 26th St., Los Angeles, submitted only bid at about $25,649.95 for improving Hiatt Ave. near La Habre by widening the present pavement with asph. concr. Bid taken under advisement by County Supervisors.

SANTA ANA, Orange Co., Cal.—Wells & Bressler, 3 California Bank Bldg., Santa Ana, awarded contract at $21,670 for resurfacing the 4-in. concr. pavement on Los Alamitos Blvd. with 6-in. and 5-in. concr., requiring 93,000 lbs. reinf. steel. Other bids received by Orange County Supervisors were: W. O. Potter, $23,348.25; Geo. R. Curis, $24,150; B. R. Ford, $25,415.50; E. S. Bruce, 26,652.75; W. E. Hall, $27,618.75; Riley and Peterson, $28,742. J. L. McBride, County Engineer.

VISALIA, Tulare Co., Cal.—Council approves spec. for paving North Acequia St. fronting the Municipal Auditorium; immediate paving of Northwest and Northeast Third Aves. from their intersections on North Court St. beyond Lincoln School to the Dinuba and Klink highways planned. L. H. Gadsby, City Engineer.

BUSINESS OPPORTUNITIES

Southern California Body Co., 1[illegible] West First St., Long Beach, Cal., is in the market for veneering.

Fred Chess, care Eugene High School, Eugene, Ore., is in the market for manual training equipment, including a Wallace 6-in. bench jointer and a Wallace universal saw.

Mrs Orilia B. Smith, Route F, Box 121, Fresno, Cal., is in the market for ready-cut houses.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue.

No.	Owner	Contractor	Amt.
[illegible]	[illegible]	American	700
[illegible]	[illegible]	Samuelson	500
[illegible]	[illegible]	Owner	[illegible]
[illegible]	[illegible]	Owner	[illegible]
[illegible]	Shutcroff	Wintrowski	600
2310	Jeffery	Mangels	[illegible]
[illegible]	Haywilke	Morchio	500
[illegible]	[illegible]	Johns-Manville	700
[illegible]	Kimball	Evans	100000
2314	Crocker Est.	Samuelson	3900
[illegible]	Judson	Adam Arras	12000
2316	Fennell	Fennell	6400
2317	McDougall	Monson	55340
2318	Torrie	Britt	500
2319	Re	Giacomo	17000
2320	Swift	Peterson	600
2321	Monteagle	Stockholm	30000
2322	Werner	Morton	1200
2323	Liberty	Britt	500
2324	Cal.	Musto	15512
2325	Harrison	Sandberg	6600
2326	Pucci	Stevenson	1907
2327	Humphrey	Morton	26750
2328	Bronstein	Langley	500
2329	Grant	Marsden	3500
2330	Cortes	Lorenz	500
2331	Hunseth	Owner	9000
2332	Tobin	Costello	12080
2333	Pat. Whistle	Home	3497
2334	Leary	Carlson	8536
2335	Crocker	Musto	19969
2336	Crocker	Sovig	6875
2337	S. P. Co.	Bose	3000
2338	Olsen	Olsen	16500
2339	Manufacturers	Boses	2186
2340	Fritschi	Martin	1000
2341	Dunn	Macdonald	80000
2342	Krausegrill	Moran	5000
2343	Butler	Freeman	1850
2344	S. F. Lumber	Owner	500
2345	Casperetti	Owner	4000
2346	Petersen	Owner	15000
2347	Donahue	Owner	500
2348	Gam	Holt	1000
2349	Bertram	Meyer	12000
2350	Anderson	Meyer	4000
2351	Same	Same	12000
2352	Silverstein	Owner	14000
2353	Thompson	Meyer	5000
2354	Levy	Novello	3000
2355	Voorhies	Voorhies	10000
2356	Same	Same	10000
2357	York Bldg	Owner	36000
2358	Philadelphia	Owner	1500
2359	Neuman	Merchant	600
[illegible]	Aiden	Vogt	600
2361	Owl Drug	Duval	18000
[illegible]	Strong	Owner	5000
2363	Clifford	Owner	2000
[illegible]	Hopkins	Owner	600
2365	Haley	Forbes	2730
[illegible]	Sayre	Mission	18197
2367	Same	Schrader	524
[illegible]	Same	Marotti	224
2369	Same	Folsom	2754
2370	Same	Conlin	1200
[illegible]	Same	Gilmour	2450
2372	Same	Wilson	4004
2373	Same	Kissel	2110
2374	Same	Butler	2985
2375	Same	Turner	400
2376	Same	Fuller	1000
2377	Bernard	Owner	600
2378	Jensen	Owner	500
2379	Pickard	Same	2600
[illegible]	Gerstein	Peterson	600
2381	O'Brien	Owner	2000
2382	Dunn	Owner	1000
[illegible]	Chamberlain	Del Fosse	700
2384	Bernard	Owner	600
2385	Kirby	Owner	600
2386	Landers	Little	13000
2387	Union Oil	Owner	500
2388	Willmering	Disston	[illegible]
2389	O'Brien	Owner	25000
2390	Fraser	Owner	14000
2391	Lurie	Martinelli	2755

PERMITS

RETAINING WALL

(2305) SW COLUMBUS AVE. & GIBB. Construct retaining wall.
Owner—P. Compagno, 523 Clay St., San Francisco.
Architect—None.
Contractor—American Concrete Co., 785 Market St., San Francisco. $700

RESIDENCE

(2306) W EDINBURGH 82.437 S Amazon Ave. One-story and basement frame residence.
Owner — Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—A. M. Samuelson, 290 Rolph St., San Francisco.
Contractor — A. M. Samuelson, 290 Rolph St., San Francisco. $3500

ALTERATIONS

(2307) NW HOWARD AND TWENTY-fourth. Excavate basement and construct elevator pit.
Owner—Geo. Cunferman, 26th and Howard Sts., San Francisco.
Architect—None.
Day's work. $1000

RESIDENCE

(2308) W PLYMOUTH 118 N Wildwood. One-story and basement frame residence.
Owner—M. C. Rench, 1478 14th Ave., San Francisco.
Architect—None.
Day's work. $4000

ALTERATIONS

(2309) NO. 910 RHODE ISLAND. Remodel front of flats.
Owner—George Shuteroff, Premises.
Architect—None.
Contractor—C. O. Wintrowski, 582 Goettingen St., San Francisco. $600

RESIDENCE

(2310) N SAN ANSELMO 134 W Santa Clara. Two-story and basement frame residence.
Owner—Harry Jeffery, Robert Dollar Bldg., San Francisco.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco. $5000

ADDITIONS

(2311) NO. 416 12TH AVE. Construct sun porch and erect stairs for residence.
Owner—Mrs. Haywilke, No. 416 12th Ave.
Architect—None.
Contractor—J. Morchio, No. 237 10th Ave. $500

ALTERATION

(2312) NO. 541 TURK ST. Place application of 2-in. acoustical felt to ceiling of cafe.
Lessee—J. B. Claney, Premises.
Architect—None.
Contractor—Johns-Manville Inc., of Calif., No. 500 Post St. $700

APARTMENTS

(2313) N. WASHINGTON 142-6 E. Spruce. Four-story and basement Class C (16) apartments.
Owner—Miss Riccardi, No. 3640 Washington St.
Architect—O. E. Evans, No. 2569 Mis-Mission St., San Francisco.
Contractor—Evans & Co., No. 2569 Mis-Mission St., S. F. $100,000

RESIDENCE

(2314) NW AMAZON & EDINBURGH. One-story and basement frame residence.
Owner—Crocker Estate Co., No. 525 Crocker Bldg.
Architect—None.
Contractor—A. M. Samuelson, No. 290 Rolph St. $3900

FACTORY BLDG.

(2315) S. FOLSOM 75 W. 4th. One-story concrete factory building.
Owner—Judson Manufacturing Co., Atlas Bldg.
Architect—Arthur S. Bugbee, No. 26 Montgomery St.
Contractor—Adam Arras & Co., No. 185 Stevenson St. $12,000

RESIDENCE

(2316) E. 16TH AVE. 243-6 N. Cabrillo 25 x 139-3. One and one-half-story frame residence.
Owner—Alice S. Fennell, 1907 Baker St., S. F.
Architect—Not given.
Contractor—James E. Fennell, 180 Jessie St., San Francisco.
Filed Oct. 14, '21. Dated Oct. 14, '21.

Frame completed	$1600
Brown coated	1600
Completed and accepted	1600
Usual 35 days	1600
TOTAL COST.	$6400

Bond, sureties, forfeit. none; limit. 90 days. Plans, specifications, none.
NOTE:—Permit reported Oct. 8, No. 2227.

GARAGE BLDG.

(2317) N. TURK 192-6 W. Taylor W 55 x N 137-6. Two-story and basement reinforced concrete garage building.
Owner — Thomas McDougall, Claus Spreckels Bldg.
Architect — Jos. L. Stewart. Claus Spreckels Bldg.
Contractor—Monson Bros., 251 Kearny Street. San Francisco.
Filed Oct. 14, '21. Dated Oct. 11, '21.

1st floor slop poured	$14,505
2nd floor slop poured	10,000
Roof completed	10,000
Completed and accepted	10,000
Usual 35 days	14,835
TOTAL COST.	$59,340

Bond, $29,670; surety, London & Lancashire Indemnity Co.; forfeit, none; limit, shortest possible time. Plans and specifications filed.

CONCRETE FLOOR

(2318) NO. 549 BAY ST. Remove wood and replace with concrete floor for storageroom.
Owner—J. Torrie, No. 549 Bay St.
Architect—None.
Contractor—O. W. Britt, No. 1257 1st Avenue $500

APARTMENTS

(2319) E. DOLORES 30-6 W. 15th. Three-story and basement frame apartments.
Owner—Guiseppe and Giustina Re, No. 18 Linda St.
Architect—Italo Zanolini, No. 604 Montgomery St.
Contractor—Sam Giacomo. $17000

RETAINING WALL
(2320) NE HOWARD AND THIRD Sts. Construct concrete retaining wall.
Owner—J. F. Swift, No. 35 Montgomery Street.
Architect—None.
Contractor—H. L. Petersen, No. 35 Montgomery St. $600

RESIDENCE
(2321) N. PACIFIC AVE. 169-9 W. Steiner. Three-story and basement frame residence.
Owner—Louis F. Monteagle, No. 2516 Pacific Ave.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor—Chas. Stockholm & Sons, Monadnock Bldg., S. F. $30,000

ALTERATIONS
(2322) NO. 511 AND 515 THIRD AVE. Plaster front of residences; remove wood and replace with brick steps.
Owner—Chas. F. Werner, No. 1034 Market St.
Architect—None.
Contractor—Morton Builders, No. 217 Balboa Bldg., S. F. $600 ea.

ALTERATIONS
(2323) NO. 271 TEHAMA ST. Remove wood and replace with concrete floor in dairy.
Owner—Liberty Dairy, No. 271 Tehama Street.
Architect—None.
Contractor—O. W. Britt, No. 1257 1st Ave., S. F. $500

MARBLE WORK
(2324) E. MONTGOMERY 67 S. Bush S. 20 E. 77-6 S. 67 E. 60 N. 154 W. 60 S. 67 W. 77-6. Marble work for building.
Owner—California Pacific Realty Co.
Architect—Not given.
Contractor—Joseph Musto Sons Keenan Co., 535 N. Point St.
Filed Oct. 15, '21. Dated Oct. 14, '21.
Monthly 75%
Usual 35 days 25%
TOTAL COST, $15,512
Bonds, sureties, forfeit, none; limit, as required. Plans not filed; specifications filed.

RESIDENCE
(2325) E. FUNSTON AVE. 100 S. Lake E. 120 S. 25. Two-story and basement frame residence.
Owner—C. B. Harrison, 104 Funston Ave.
Architect—Plans by contractors.
Contractors—Sandberg & Essmann, 501 Fourth St., San Francisco.
Filed Oct. 15, '21. Dated Oct. 10, '21.
Frame up $1650
Plumbing roughed in..... 1650
Completed 1650
Usual 35 days 1650
TOTAL COST, $6,600
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Oct. 14, 1921, No. 2290.

ALTERATIONS
(2326) E. 12TH AVE. S. Lincoln Way, 1258 12th Ave. Alterations to bldg.
Owner—Mrs. Della Pucci, Premises.
Architect—Not given.
Contractor—L. H. Stevenson, 45 Worth Street.
Filed Oct. 15, '21. Dated Oct. 10, '21.
Foundations in $200
Frame up 800
1st coat plaster on..... 600
Completed 307
TOTAL COST, $1907
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Oct. 11, 1921, No. 2256.

CLASS C BLDG.
(2327) S. EDDY 123-6 W Polk W. 68-9 x S. 137-6. One-story and basement Class C building.
Owner—Humphrey Estates, Inc.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.
Contractor—John Morton, Balboa Bldg., San Francisco.
Filed Oct. 15, '21. Dated Sept. 23, '21.
1st story concrete floor topping done $6,687.50
Roof completed and bldg. enclosed 6,687.50
Completed and accepted 6,687.50
Usual 35 days 6,687.50
TOTAL COST, $26,750
Bond, $13,375; surety, New Amsterdam Casualty Co.; forfeit, $20; limit, 80 days. Plans and specifications filed.
NOTE:—Permit reported Sept. 26, 1921, No. 2057.

RESIDENCE
NO. 1717 VALLEJO ST. Two-story hollow tile residence.
Owner—Digby S. Brooks, 1717 Vallejo Street.
Architect—Henry H. Gutterson, No. 278 Post St., San Francisco.
Contractor—Morton Builders, No. 217 Balboa Bldg., S. F. $5900
NOTE:—Recorded contract reported Oct. 13, 1921, No. 2283.

GLASS & MARBLE FRONT
(2328) NO. 4 ELLIS ST. Glass and marble front for store.
Owner—Stanley Blaustein, Premises.
Architect—None.
Contractor—Langley & Michaels Co., No. 50 First City, S. F. $500

RESIDENCE
(2329) N. ALMA 150 W. Schrader. One-story and basement frame residence.
Owner—I. Grant, No. 1105 Cole St.
Architect—None.
Contractor—J. W. Marsden, No. 507 Cole St. $3500

ALTERATIONS
(2330) NO. 126 POST. Construct stairs, re-arrange plaster partition, etc., for office.
Owner—H. F. Cordes, Premises.
Architect—None.
Contractor—F. A. Lorenz, 182 5th St., San Francisco. $500

FRAME FLATS
(2331) E FRANKLIN 102-8 S Filbert. Two-story and basement frame (4) flats.
Owner—Geo. Hunseth, 4515 19th St., San Francisco.
Architect—None.
Day's work. Cost, $9000

RECORDED

FLAT BUILDING
(2332) W. 2ND AVE. 231-11⅞ S. Cabrillo. Two-story frame building (flats).
Owner—Richard A. Tobin, 625 Clayton Street.
Architect—Not given.
Contractor—Costello Bros., 18 Ney St.
Filed Oct. 17, '21. Dated Oct. 17, '21.
Frame up $2416
Brown coated 2416
White coated 2416
Accepted 2416
Usual 35 days 2416
TOTAL COST....$12,080
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

ALTERATIONS
(2333) 130 POST ST. Alterations for store.
Owner—Pig 'n Whistle Co., 130 Post St.
Architect—Alfred H. Jacobs, 110 Sutter St.
Contractor—Home Mfg. Co., 543 Brannan St.
Filed Oct. 17, '21. Dated Oct. 15, '21.
Completed and accepted $2,623.35
Usual 35 days 874.45
TOTAL COST, $3,497.80
Bond, $3497.80; surety, United States Fidelity and Guaranty Co.; forfeit, limit, none. Plans and specifications filed.

RESIDENCE
(2334) LOCATION NOT GIVEN. Two-story and basement frame residence.
Owner—Alice R. Leary, 580 McAllister Street.
Architect—Not given.
Contractors—Elmer Carlson and W. O. Peterson, 2224 23rd Ave.
Filed Oct. 17, '21. Dated Oct. 15, '21.
1st floor joists on.....$ 403
Rough frame up 2000
Rough plaster on 2000
Completed and accepted 2000
Usual 35 days 2134
TOTAL COST, $8536
Bond, sureties, forfeit, limit, none. Plans and specifications filed.
NOTE:—Permit also applied for today. Building is to be erected on the east side of 4th Ave. 150 S. Cabrillo.

MARBLE, WORK, ETC.
(2335) SW BUSH & MONTGOMERY. Marble and mosaic work for bldg.
Owner—Crocker Estate Co.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor— Joseph Musto Sons-Keenan Co., 535 North Point St., San Francisco.
Filed Oct. 17, '21. Dated Sept. 28, '21.
On 5th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $19,969
Bond, $9,984.50. Sureties, Alfred E. and Romolo A. Sbarboro. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(2336) PAINTING, GOLD LEAF lettering, etc., on above.
Contractor—C. B. Sovig, 180 Jessie St., San Francisco.
Filed Oct. 17, '21. Dated Sept. 30, '21.
Payments same as above.....
TOTAL COST, $6875
Bond, $3437.50. Surety, ——. Limit, 60 days. Forfeit, none. Plans and specifications filed.

WAREHOUSE
(2337) FIRST AND BRANNAN. Wood and concrete flooring in oriental warehouse.
Owner—Southern Pacific Company.
Architect—None.
Contractor—F. D. Boese, Call Bldg., San Francisco.
Filed Oct. 17, '21. Dated Oct. 3, '21.
At close of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $3000
Bond, $2250. Surety, Globe Indemnity Co. Limit, 40 days after beginning. Forfeit, none. Plans and specifications filed.

RESIDENCES
(2338) LOTS 12, 13, 14, 15 AND 16 Blk O. Mission Terrace. All work for five one-story and basement frame residences.
Owner—Amanda A. Olsen, 366 Granada Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Olaf Olsen, 366 Granada Ave., San Francisco.
Filed Oct. 17, '21. Dated Sept. 26, '21.
Enclosed $4125
Brown coated 4125
Completed and accepted..... 4125
Usual 35 days..... 4125
TOTAL COST, $16,500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permits reported Sept. 30, 1921, No. 2146 and 2147.

CLASS C BLDG
(2339) S CLEMENTINA AND FIRST SE 100xSW 75. Excavating, filling, concrete, wood, sheet metal work for three-story and basement Class C building.
Owner—Manufacturers Building Corp.
Architect—None.
Contractor—F. D. Boese, Call Bldg., San Francisco.
Filed Oct. 17, '21. Dated Oct. 15, '21.
Payments every Saturday..... 75%
Usual 35 days, 25%.....$8975
TOTAL COST, $35,900
Bond, $17,950. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days, forfeit, $100. Plans and specifications filed.
NOTE:—Permit reported Oct. 5, 1921 No. 2186.

CASINO
(2340) NO. 2550 BROADWAY. Construct garden casino.
Owner—Dr. A. B. Fritschi, Premises.
Architect — Albert Farr, 68 Post St., San Francisco.
Contractor—Wm. Martin, 180 Jessie St., San Francisco. $1000

OFFICES
(2341) SE BUSH AND MONTGOMERY Three-story and basement Class C offices.
Owner—Dunn, Williams Co., 26 Montgomery St., San Francisco.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor — Macdonald & Kahn, 130 Montgomery St., San Francisco. $80,000

RESIDENCE
(2342) SE CLAREMOUNT & PORTOLA Drive. One-story and basement frame residence.
Owner—W. Krausegrill, 530 6th St., San Francisco.
Architect—None.
Contractor Harry Moran, 778 10th Ave., San Francisco. $5000

ADDITION
(2343) NO. 229 EDGEWOOD AVE. Two-story (3 rooms and bath) addition to dwelling.
Owner—Edward S. Butler, Premises.
Plans by Contractor.
Contractor—H. L. Freeman, 1170 59th St., Oakland. $1850

ALTERATIONS
(2344) NO. 2701 MASON. Remove old and re-place new corrugated iron roof.
Owner — San Francisco Lumber Co., Premises.
Architect—None.
Day's work. $500

RESIDENCE
(2345) SW SAN BRUNO AND WARD. Two-story and basement frame residence.
Owner—U. Casperetti and wife, 730 Lombard St., San Francisco.
Architect—W. H. Armitage, 1107 Pierce St., San Francisco.
Day's work. $4000

FRAME FLATS
(2346) SW TWENTY-NINTH AVE & California. Two-story and basement frame (4) flats.
Owner—W. C. Petersen, 1570-A Eddy St., San Francisco.
Architect—None.
Day's work. $15,000

FRAME DWELLING
(2347) S TWENTY-NINTH 79-7 E Douglass. One-story and basement frame dwelling.
Owner—Timothy F. Donahue, 795 29th St., San Francisco.
Architect—None.
Day's work. $500

ALTERATIONS
(2348) W TWELFTH bet. Howard & Folsom. Install posts in first floor, place asphalt coating over concrete floor.
Owner—C. P. Cain (La Grande Laundry), 160 25th Ave., S. F.
Architect—J. E. Krafft & Sons, Phelan Bldg., San Francisco.
Contractor—O. C. Holt, 180 Jessie St., San Francisco. $1000

RESIDENCES
(2349) W FORTIETH AVE 80, 105, 130 N Geary. Three one-story and basement frame residences.
Owner—Geo. Bertram, 5326 Geary St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor — Meyer Bros., 5326 Geary St., San Francisco. $4000 each

DWELLING
(2350) N CABRILLO 95 E Twenty-third Ave. One-story and basement frame dwelling.
Owner — Jonathan Anderson, 5326 Geary St., San Francisco.
Architect—None.
Contractor — Meyer Bros., 5326 Geary St., San Francisco. $4000

RESIDENCES
(2351) E TWENTY-THIRD AVE 25, 50 and 75 N Cabrillo. Three one-story and basement frame residences.
Owner - Jonathan Andersan, 5326 Geary St., San Francisco.
Architect—None.
Contractor—Meyer Mros., 5326 Geary St., San Francisco. $4000 each

APARTMENTS
(2352) E PALM AVE 150 S California. Two-story and basement frame (4) apartments.
Owner—I. Silverstein, 215 7th Ave., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Day's work. $14,000

RESIDENCE
(2353) E TWENTY-NINTH AVE 175 S Clement. Two-story and basement frame residence.
Owner—Nat Thompson, 20th Ave. and Geary St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $5000

RESIDENCES
(2354) SE VIENNA 50 and 75 SW Italy. Two one-story and basement frame residences.
Owner—Louis Levy, 3936 Clay St., S. F.
Architect—None.
Contractor —Novello & Pastorini, 172 Bertita St., San Francisco. $1950 each

FLAT BLDG.
(2355) E 18TH AVE 28-11 N Clement Two-story and basement frame (2) flats.
Owner—Voorhies Newman Co., 50 Divisadero St.
Architect—Wm. Gunnison, 1666 Golden Gate Ave.
Contractor—W. R. Voorhies, 50 Divisadero St.
Filed Oct. 18, '21. Dated Oct. 17, '21.
Until fully paid, per month.....75%
TOTAL COST, $10,000
Bond, sureties, forfeit, none; limit, 120 days. Plans and specifications, none.
NOTE:—Permit reported Oct. 10, 1921, No. 2240.

FLAT BLDG.
(2356) E 18TH AVE 58-11 N Clement. Two-story and basement frame (2) flats.
Owner—Voorhies Newman Co., 50 Divisadero St.
Architect—Wm. Gunnison, 1666 Golden Gate Ave.
Contractor—W. R. Voorhies, 50 Divisadero St.
Filed Oct. 18, '21. Dated Oct. 17, '21.
Monthly until fully paid.....75%
TOTAL COST, $10,000
Bond, sureties, forfeit, none; limit, 120 days. Plans and specifications, none.
NOTE:—Permit reporter Oct. 10, 1921, No. 2240.

FRAME FLATS
(2357) S ANZA 60, 90, 120 and 150 W 15th Ave. Four two-story and basement frame (2 in each) flats.
Owner—York Realty Co., 40 Montgomery St., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.
Day's work. $9000 each

ALTERATIONS
(2358) NO. 825 MARKET. Re-arrange plumbing; shelving and install new plumbing fixtures, fireproof partitions, etc., for store.
Owner—Philadelphia Shoe Co. (B. Katschinscki), Premises.
Architect—Bernard J. Joseph, 74 New Montgomery St., San Francisco.
Day's work. $1500

ALTERATIONS
(2359) NO. 504 BUCHANAN. Remove old and construct new stairs, bay window, etc.
Owner—Mrs. C. Nauman, 1146 Taylor St., San Francisco.
Architect—None.
Contractor—C. T. Merchant, 180 Jessie St., San Francisco. $600

RETAINING WAL
(2360) NO. 671 HOWARD. Construct reinforced concrete retaining wall for warehouse.
Owner—Dr. B. F. Alden, 1071 Page St., San Francisco.
Architect—None.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco. $600

ALTERATIONS
(2361) SW BUSH AND MONTGOMERY Install fixtures in drug store, fireproof partitions, marble flooring.
Owner—The Owl Drug Co., 611 Mission St., San Francisco.
Architect—A. Reinhold Denke, 218 Dalziel Bldg., Oakland.
Contractor—Oliver Duval & Son, 216 Dalziel Bldg., Oakland. $18,000

ALTERATIONS
(2362) NO. 929 MARKET. Extend show windows, remove and re-set elevator; construct stairs, etc., for store.
Owner—J. Shoong & Co., 929 Market St., San Francisco.
Architect— Bernard J. Joseph, 74 New Montgomery St., San Francisco.
Day's work. $5000

ADDITION
(2363) NO. 2773 BRYANT. Raise top flat 6 feet and construct one-story addition.
Owner—W. H. Clifford, Premises.
Architect—O. E. Evans, 2569 Mission St., San Francisco.
Day's work. $2000

ALTERATIONS
(2364) NO. 1629 NINTH AVE. General alterations and repairs to music studio.
Owner—Mrs. M. A. Hoffman, 1566 9th Ave., San Francisco.
Plans by Owner.
Day's work. $600

RECORDED

EXCAVATING, ETC.
(2365) NW TWENTY-SIXTH AVE & West Clay W 40xN 100. Excavat-

ing and concrete work for three-story frame apartment building.
Owner—C. R. Haley, 149 California St., San Francisco.
Architect—Kenneth MacDonald Jr., 234 Pine St., San Francisco.
Contractor—Richard J. H. Forbes, Monadnock Bldg., San Francisco.
Filed Oct. 19, '21. Dated Sept. 22, '21.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $2730
Bond, $1365. Sureties, Minnie C. Forbes and Jno. Cassaretto. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

(2366) TERRA COTTA PARTITIONS and flues, carpenter and mill work, hardwood floors, deadening, stairs and rough hardware on above.
Contractor—Mission Concrete Co., Inc., Call Bldg., San Francisco.
Filed Oct. 19, '21. Dated Sept. 22, '21.
Payments same as above.....
TOTAL COST, $18,191
Bond, $9096. Sureties, J. S. Guerin & Co.and Edwin F. Peterson. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

(2367) STEEL BEAMS AND COLUMNS post caps, bearing plates and cast iron on above.
Contractor—Schrader Iron Works, 1247 Harrison St., San Francisco.
Filed Oct. 19, '21. Dated Sept. 23, '21.
Payments same as above.....
TOTAL COST, $524
Bond, none. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

(2368) COMPOSITION ROOFING AND roof flashing on above.
Contractor—Malott & Peterson, 2412 Harrison St., San Francisco.
Filed Oct. 17, '21. Dated Sept. 22, '21.
Payments same as above.....
TOTAL COST, $224
Bond, none. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

(2369) ORNAMENTAL IRON WORK & fire escapes on above.
Contractor—Folsom Street Iron Works, 18th St. and Treat Ave., San Francisco.
Filed Oct. 19, '21. Dated Sept. 22, '21.
Payments same as above.....
TOTAL COST, $2754
Bond, $1377. Surety, United States Fidelity & Guaranty Co. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

(2370) VERMIN AND FIRE PROTECTION, leaders, gutter boxes, metal covering, metal windows and metal flashings on above.
Contractor—Conlin & Roberts, 414 Natoma St., San Francisco.
Filed Oct. 19, '21. Dated Sept. 23, '21.
Payments same as above.....
TOTAL COST, $1200
Bond, $640. Surety, Globe Indemnity Co. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed

(2371) LATHING AND PLASTERING and cementing on above.
Contractor—Wm. G. Gilmour, 180 Jessie St., San Francisco.
Filed Oct. 19, '21. Dated Sept. 23, '21.
Payments same as above.....
TOTAL COST, $9450
Bond, $4725. Surety, Globe Indemnity Co. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

(2372) PLUMBING & GAS FITTING on above.
Contractor—Wm. F. Wilson Co., 328 Mason St., San Francisco.
Filed Oct. 19, '21. Dated Sept. 23, '21.
Payments same as above.....
TOTAL COST, $4004
Bond, $2002. Sureties, Thos. J. Christal and Chas. H. Caulfield. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

(2373) PAINTING, TINTING AND papering on above.
Contractor—I. R. Kissel, 1747 Sacramento St., San Francisco.
Filed Oct. 19, '21. Dated Sept. 23, '21.
Payments same as above.....
TOTAL COST, $2110
Bond, $1055. Surety, New Amsterdam Casualty Co. Limit, as fast as possible Forfeit, $10. Planse and specifications filed.

(2374) ELECTRIC WIRING ON above.
Contractor — Butte Electrical Equipment Co., 530 Folsom St., S. F.
Filed Oct. 19, '21. Dated Sept. 22, '21.
Payments same as above.....
TOTAL COST, $2085
Bond, $1043. Surety, New Amsterdam Casualty Co. Limit, as fast as possible Forfeit, $10. Plans and specifications filed.

(2375) STEAM HEATING AND HOT water system on above.
Contractor—The Turner Co., 272 Natoma St., San Francisco.
Filed Oct. 19, '21. Dated Sept. 23, '21.
Payments same as above.....
TOTAL COST, $2490
Bond, $1245. Sureties, S. D. Allen and F. A. Radelfinger. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

(2376) GLASS AND GLAZING ON above.
Contractor—W. P. Fuller & Co., Beale and Mission Sts., San Francisco.
Filed Oct. 19, '21. Dated Sept. 22, '21.
Payments same as above.....
TOTAL COST, $1900
Bond, $950. Sureties, N. B. Wagner and H. H. Somers. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

ALTERATIONS
(2377) SE COLERIDGE AND FAIR Ave. General alterations and repairs for residence.
Owner—Mrs. E. Birrell, Premises.
Architect—None.
Day's work. $3000

ALTERATIONS
(2378) NO. 735-737 CAPP. Alter basement for garage: excavation, cement work, etc.
Owner—Wm. F. Hogan, 735 Capp St., San Francisco.
Architect—None.
Day's work. $500

RESIDENCES
(2379) W FORTY-THIRD AVE 250 & 275 S Geary. Two one-story and basement frame residences.
Owner—Lewis W. Farwell, 5312 Lawton St., Oakland.
Architect—None.
Contractor — Wm. H. Sims, 1926 64th Ave., Oakland. $4800 each

STORES
(2380) N IRVING 52 W 7th Ave. One-story and basement frame (4) stores.
Owner—James Nissum, 641 Post St., San Francisco.
Architect — Edward E. Young, 251 Kearny St., San Francisco.
Contractor—Hans Petersen, 3242 26th St., San Francisco. $5000

ADDITION
(2381) NO. 2157 JACKSON. Addition of two rooms and bath for residence; painting and papering, etc.
Owner—Mrs. W. S. O'Brien, 1824 Jackson St., San Francisco.
Architect — Edward E. Young, 251 Kearny St., San Francisco.
Day's work. $2000

ADDITION
(2382) NE LONDON AND RUSSIA Aves. Addition of flat and alterations for private garage.
Owner—E. Dahak, 493 London St., San Francisco.
Architect—None.
Day's work. $1000

ALTERATIONS
(2383) NO. 773 MARKET. Remove 2 partitions in loft and open up window.
Owner—Commercial Center Realty Co. 180 Jessie St., San Francisco.
Architect—None.
Contractor—Del Favero & Rasori, 180 Jessie St., San Francisco. $500

RESIDENCES
(2384) W NINETEENTH AVE 225 and 250 S Cabrillo. Two-story and basement frame residences.
Owner — Bryan and P. J. Feerick, 253 Downey St., San Francisco.
Designer—B. Feerick, 253 Downey St., San Francisco.
Day's work. $4000 each

RESIDENCE
(2385) E SIXTEENTH AVE 25 S Cabrillo. Two-story and basement frame residence.
Owner—J. C. Kirby, 627 23rd Ave., San Francisco.
Architect—None.
Day's work. $3000

FRAME FLATS
(2386) E TENTH AVE 150 N Anza. Two-story and basement frame (2) flats.
Owner—Mrs. H. Landers, 439 9th Ave., San Francisco.
Plans by Owner.
Contractor—John Little, 1035 Lincoln Way, San Francisco. $11,000

ALTERATIONS
(2387) NE DRUMM & SACRAMENTO. Alterations and changer for convenience station.
Owner—Union Oil Co. of California, 247 Mills Bldg., San Francisco.
Plans by Owners.
Day's work. $500

ADDITION
(2388) NO. 202-204 FUNSTON AVE. Addition for private garage, 9x18 feet; plaster front, etc.
Owner — Mrs. Walter Willmering, Hotel Turpin.
Architect—None.
Contractor—A. E. Disston, 122 4th Ave. San Francisco. $500

STORE
(2389) N MISSION 47 W Ecker. One-story and basement reinforced concrete store.
Owner—R. J. O'Brien, 110 Sutter St., San Francisco.
Architect — Albert W. Burgren, 110 Sutter St., San Francisco.
Day's work. $25,000

FRAME FLATS
(2390) NW FULTON AND TWENTY-first Ave. Two-story and basement frame (4) flats.
Owner—Simon Fraser, 3877 20th St., San Francisco.
Architect—None.
Day's work. $14,000

SALES ROOM
(2391) S HOWARD 180 W First. One-story concrete salesroom.
Owner—Louis R. Lurie, Cr. Architect.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor — J. Martinelli, 180 Jessie St., San Francisco. $27,650

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Oct 19, 1920—PROPERTY IN SAN Mateo Each Bell to whom it may concern .....Oct. 17 1921

Oct 20, 1921 E TWENTY-FIRST Ave 327 S Bellevue S 25xE 120 Jacob H Thomp to whom it may concern .....Oct. 20 1921

Oct. 20, 1921 S BUSH 87-6 E Taylor L 4 x S 137-6 James W Welsh to James Welsh & Co....Oct. 20 1921

Oct. 18, 1921—E TENTH AVE 225 N Ortega N 25xE 120 W J White to Joel Johnson.....Oct. 18, 1921

Oct. 19, 1921 W BELVEDERE 87 N 17th 25x100. Ernest Johnson to whom it may concern...Oct. 12 1921

Oct. 18, 1921—E EIGHTEENTH AVE 173 N California N 26xE 120. Bertha Downing to W B Dennis.....October 18 1921

Oct. 18, 1921—N CLEMENT 90 E 18th Ave. Voorhies Newman Co to W R Voorhies.....Oct. 17, 1921

Oct. 18, 1921—NE EIGHTEENTH AVE and Clement 28-11 N side of 18th Ave and 90 on Clement. Voorhies-Newman Co to W R Voorhies.....October 15, 1921

Oct. 17, 1921—SE GOLDEN GATE Ave & Jones E 162-6 S 181-7⅝ SW 158-9 W 32-10½ N 275. Famous Players-Lasky Corp. to R. J. H. Forbes .....Oct. 15, 1921

Oct. 15, 1921—NE NINTH AND Minna 55x90 No. 121 to 131 Ninth St. J C Corporation or James Conlin Co to Thos Mulcahy.....Oct. 3, 1921

Oct. 14, 1921—W STANYAN 125-7 N Belgrave Ave. N 25-1 W 70-4 S 25-0¾ E 74-4½ lot 3 blk 5, Clarendon Hts. Victor Holmgren to whom it may concern....Oct. 11, 1921

Oct. 14, 1921—W 28TH AVE 215 N Cabrillo N 25 x W 120. H. W. and Sadie J. Witham to whom it may concern .....Oct. 7, 1921

Oct. 14, 1921—NE 19TH AVE & Fulton. Frank H. Doane to Cohn & Nordstrom.....Oct. 14, 1921

Oct. 11, 1921—NE NINETEENTH AVE and Fulton. Frank H Doane to Gus May .....Oct. 11 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Oct. 20, 1921 SE MARKET 125 SW Brady SW 84-6 SE 124. Harold E Simpson, Walter I Simpson, and Nelle F Simpson (as Atlas Sidewalk Light Co) vs Mortimer and Belle G Fleishhacker, Walter Graf and W C Duncan & Co .....

Oct. 20, 1921—SE MARKET 125 SW Brady SW 84-6xSE 124. A W Bender Roofing & Paving Co vs Mortimer & Belle G Fleishhacker and Walter Graf and W C Duncan & Co .....

Oct. 20, 1921—S CALIFORNIA 117-6 W Leavenworth W 20 x S 37-6 E 60 N 40 W 40 N 37-6 W T Mahoney vs Isaac H Gelbraver and Mary E. M Brackett .....

Oct. 19, 1921—SE MARKET 125 SW Brady SW 84-6xSE 124. A E Smith, J S Fennell, R A Chisholm, J E Fennell (as Atlas Concrete Co) vs Mortimer & Belle G Fleishhacker, Walter Graf and W C Duncan & Co .....$6[illegible]

Oct. 18, 1921 S MARKET 125 SW Brady SW 84-6xSE 124. W P Fuller & Co vs Walter Graf, W C Duncan & Co and W C Duncan .....

Oct. 18 1921 -S OLMSTEAD 95 W Girard 25xS 50 D J Cogan vs Noonan .....

Oct. 17, 1921 LOT 23 Lyons Sub No 2, Andover Terrace Strongwold vs George Mc[illegible] .....

Oct. 17, 1921 LOT [illegible] Lyons & Ross Sub [illegible] No 2 [illegible] Mackenzie [illegible] mich .....

Oct. 15, 1921—W ACADIA 125 N Sunnyside Ave No. 129 Acadia St. The Greater Gas [illegible] vs H Koster and Mrs. F W Lambert and Rosine [illegible]

Oct. 14, 1921—N. CABRILLO 30 W. 47th Ave. W 60 x N 90. G. H. De Hoff & Co. vs H. J. Franks....$128.26

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Oct. 20, 1921—SE OAK AND LAguna E 25-0¾xS 120. Emil Ichters to Anna E Jones .....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Oct. 18, 1921—S SACRAMENTO 200 E [illegible] erty

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is a [illegible] contracts for this issue:

No.	Owner	Contractor	Amt.
3560	Thomas	Owner	5000
3561	Ashbury	Texdahl	[illegible]
3562	Brazier	Owner	[illegible]
3563	Galbraith	Bradhoff	3300
3564	Samson	Johnson	400
3565	Johnson	Owner	[illegible]
3566	Dexter	Marquis	[illegible]
3567	Hill	[illegible]	377
3568	Kockritz	Knight	[illegible]
3569	Butler	Owner	[illegible]
3570	Nye	Larsen	[illegible]
3571	Woodburn	Owner	4000
3572	Bettencourt	Owner	1000
3573	Nightingale	[illegible]	1000
[illegible]	Scientist	Andresen	[illegible]
[illegible]	Dudley	Frostholm	8775
3576	Bordenave	Owner	5000
3577	Cerrato	Hart	2000
3578	Page	Owner	[illegible]
3579	Nelsoire	[illegible]	[illegible]
3580	[illegible]	Owner	4950
3581	Davis	Owner	[illegible]
3582	Hurni	[illegible]	800
[illegible]	[illegible]	Sharp	3500
3584	Schwantes	Owner	[illegible]
3585	Doolan	MacLean	[illegible]
3586	Malloch	Sullivan	[illegible]
3587	[illegible]	Bertelsen	11561
[illegible]	Casebolt	[illegible]	[illegible]
[illegible]	[illegible]	Gossett	[illegible]
[illegible]	Einstein	Pearson	12390
[illegible]	[illegible]	Gastman	5000
[illegible]	Gede	Gede	[illegible]
[illegible]	[illegible]	Owner	2700
[illegible]	Davidson	Owner	500
[illegible]	Gallagher	Owner	[illegible]
[illegible]	Cook	Turner	2000
[illegible]	Claremont	[illegible]	3500
[illegible]	Allison	Allison	[illegible]
[illegible]	Anderson	Owner	500
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Hook	[illegible]	[illegible]
[illegible]	Fabio	Anderson	[illegible]
[illegible]	MacDonald	[illegible]	[illegible]
[illegible]	Roberts	[illegible]	[illegible]
[illegible]	Norman	Owner	[illegible]
[illegible]	Schmidt	Mayhorn	[illegible]
[illegible]	[illegible]	[illegible]	3100
[illegible]	Pattee	[illegible]	7680
[illegible]	Martin	[illegible]	[illegible]
3611	Minor	Schmitt	[illegible]
[illegible]	Gerner	[illegible]	[illegible]
[illegible]	Pollard	Owner	[illegible]
3614	Leinstit	[illegible]	[illegible]
[illegible]	Scott	[illegible]	[illegible]
3616	Nichols	Owner	[illegible]
3617	Rommel	Owner	[illegible]
[illegible]	[illegible]	Owner	1[illegible]
[illegible]	[illegible]	Blabon	1800
[illegible]	[illegible]	Mulvany	[illegible]
[illegible]	Gratiot	Owner	1200
[illegible]	[illegible]	Crowley	400
[illegible]	[illegible]	Hendricks	3500
[illegible]	[illegible]	Owner	4500
[illegible]	[illegible]	Pearson	5000
[illegible]	[illegible]	Same	5000
[illegible]	[illegible]	Owner	1[illegible]
[illegible]	[illegible]	Tollefsen	2800
[illegible]	[illegible]	Henderson	9500
[illegible]	[illegible]	Crane	4000
[illegible]	Rowell	Koski	12000
[illegible]	Peniel	Waddell	437
[illegible]	[illegible]	Pfrang	700
3634	Marshall	Owner	3500
[illegible]	Butler	Mattison	3100
[illegible]	[illegible]	Owner	5000
[illegible]	Marquis	Owner	3000
3638	[illegible]	Barr	3300
[illegible]	Smith	Sprague	5600
[illegible]	[illegible]	Stanley	3500
[illegible]	Mattison	Mattison	3500
[illegible]	Barton	Owner	400
[illegible]	[illegible]	Williams	2000
[illegible]	[illegible]	Pfrang	400
[illegible]	Steinmetz	Ehrman	3400
[illegible]	Klemer	Scott	2900
[illegible]	[illegible]	Dennis	1300
[illegible]	[illegible]	Owner	2000
[illegible]	[illegible]	Gossett	5950
[illegible]	Kleiner	Scott	2888
[illegible]	[illegible]	Jensen	2700
[illegible]	[illegible]	Owner	3200
[illegible]	[illegible]	Owner	2000
[illegible]54	Noble	Owner	4000
[illegible]55	Nickerson	Farris	1000
[illegible]56	Riley	Henderson	400
[illegible]57	Green	Spencer	2400
[illegible]	[illegible]	Sullivan	5000
[illegible]	Liebonow	Peterson	10000
[illegible]	Wilson	Owner	1500
3661	[illegible]	Owner	1500
3662	[illegible]	Sage	3750
[illegible]	[illegible]	Hamilton	1000
[illegible]	[illegible]	Owner	3800
3665	Peppin	Owner	4200
3666	Peppin	Owner	16800
3667	Brown	Brown	3500
[illegible]	Van Ness	Owner	2350
[illegible]	Johnston	Tupper	2500
3670	[illegible]	Peterson	11689
3671	[illegible]	Healy	4766

PERMITS

DWELLING

(3560) SW COR. ALAMEDA & CAPistrano, Berkeley. One-story 6-room dwelling.

Owner—[illegible] W Thomas, 860 Alameda.

Contractor—[illegible] Same.

Day's work. $5000

[illegible]TIONS

[illegible]DELINE AND ALCATRAZ, Berkeley. Alterations.

Owner—Ashbury Furniture Co.

Contractor—C. Texdahl, 5375 Belgrave Pl., Berkeley. $900

[illegible]

(3562) S. BLAKE 130 E. Grove, Berkeley. One-story 5-room dwelling.

Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.

Day's work. $2500

[illegible]

(3563) S. EUNICE 85 E. Shattuck, Berkeley. One-story 3-room dwelling.

Owner—Miss Alma J. Galbraith, Walter Steilberg, 1 Panoramic Way, Berkeley.

Contractor—[illegible] Bradhoff, 911 55th [illegible] and $3300

[illegible]

(3564) 2916 ELMWOOD, Berkeley.

Owner—J. S. Samson, Premises.

Contractor—G. Johanson, 1357 North-[illegible] Berkeley $400

DWELLING
(3571) N. ROSAL AVE. 300 E. Lerida, Oakland. One-story 6-room dwelling.
Owner—F. L. Woodburn, 155 Parkside Dr., Piedmont.
Architect—None.
Day's work. $4000

DWELLING
(3572) W. 64TH AVE. 300 N. E-14th Oakland. One-story 3-room dwlg.
Owner—J. C. Bettencourt, 1312 96th Ave., Oakland.
Architect—None.
Day's Work. $1000

DWELLING

DWELLING
(3565) 2812 MILVIA, Berkeley. One-story 5-room dwelling.
Owner—A. Johnson, 1947 Oregon St., Berkeley.
Architect—None.
Day's work. $2900

DWELLINGS
(3566) S. OREGON 150-180 W. Telegraph, Berkeley. Two 1-story 5-room dwellings.
Owner—Dexter & Henshaw.
Architect—None.
Contractor—E. M. Marquis, 2827 Russell St., Berkeley. $3000 ea.

DWELLING
(3567) 112 OXFORD, Berkeley. One-story 5-room dwelling.
Owner—R. B. Hill, Walnut St., Berkeley.
Architect—None.
Contractor—E. F. Henderson, 5744 Keith Ave., Berkeley. $3750

DWELLING
(3568) S. RUSSELL 215 W. Piedmont, Berkeley. One and one-half-story 6-room dwelling.
Owner—J. F. Kockritz, Grant St., Berkeley.
Architect—None.
Contractor—Harry C. Knight, 388 12th St., Berkeley. $6850

DWELLING
(3569) N. OAK GROVE AVE. 400 W. College Ave., Oakland. Two-story 5-room dwelling.
Owner—H. S. Butler, 5644 Oak Grove Ave., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(3570) N. PRINCETON ST. 160 W. Fairfax, Oakland. One-story 5-room dwelling.
Owner—R. O. Neal.
Architect—None.
Contractor—R. K. Larsen, 2830 E. 14th St., Oakland. $4650

(3573) E. 13TH AVE. 210 N. E-21st St., Oakland. One-story 3-room dwelling.
Owner—Wm. Nightingale, 1554 13th Ave., Oakland.
Architect—None.
Contractor—J. A. McCord, 35 Beverly Ave., San Leandro. $1000

ADD. TO CHURCH
(3574) W. HARRISON ST. 110.83 N. 23rd St. W. 117.55 N. 100 E. 130 S. 100.75, Oakland. Addition to church.
Owner—Seventh Church of Christ, Scientist. Premises.
Architect—Not given.
Contractor—H. C. Andresen, 1229 Pearl St., Alameda.
Filed Oct. 13, '21. Dated Oct. 7, '21.
1st and 15th of each month.... 75%
Usual 35 days 25%
TOTAL COST, $3385
Bond, sureties, forfeit, none; limit, 50 days. Plans and specifications filed.
NOTE:—Permit reported Oct. 14, 1921, No. 3549.

DWELLING
(3575) N LAFAYETTE AVE 547-6 W Crocker Ave., Piedmont. Two-story and basement frame dwelling, all work except papering, heating, finish hdw., plaster, tile, elec., plumbing, painting, elec. fix., shades and hardwood floors.
Owner—Dudley and Miriam Haynes Dexter, 6035 Rockridge Rd., Oakland.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Contractor—H. M. Frostholm, 877 Lake Shore Ave., Oakland.
Filed Oct. 14, '21. Dated Oct. 12, '21.
Frame up $2192
Brown coated 2192
Completed 2192
Usual 35 days 2199
TOTAL COST, $8775
Bond, $4400; sureties, Helene Shelby and Mrs. Farrer; forfeit, $5 day; limit, without delay. Plans and specifications filed.

DWELLING
(3576) S CHATHAM ROAD 240 E Excelsior, Oakland. One-story six-room dwelling.
Owner—Juston Bordenave.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. $5000

DWELLING
(3577) S FORTY-FOURTH 60 E Linden, Oakland. One-story 4-room dwelling.
Owner—V. E. Cerrato, 467 43rd St., Oakland.
Architect—None.
Contractor—D. E. Hart, 1033 60th St., Oakland. $2000

DWELLINGS
(3578) S HARVEY 140 and 175 W 57th Ave., Oakland. Two one-story 5-room dwellings.
Owner—M. Page, 2060 55th Ave., Okd.
Architect—None.
Day's work. $4000 each

DWELLING
(3579) N MONTANA 600 E Laurel Ave., Oakland. One-story 3-room dwelling.
Owner—Elsie Nelsoire, 1317 E-14th St., Oakland.
Architect—None.
Day's work. $750

DWELLING
(3580) N PARK BLVD. 40 E Everett Ave., Oakland. One-story six-room dwelling.
Owner—W. J. Baker, 2255 Ransome Ave., Oakland.
Architect—None.
Day's work. $4950

DWELLING
(3581) S SIXTIETH 276 E Grove St., Oakland. One-story 5-room dwlg.
Owner—Chas. A. Davis.
Architect—None.
Day's work. $3500

GARAGE
(3582) NO. 5362 SHAFTER AVE., Oakland. Garage.
Owner—Fred A. Burni.
Architect—None.
Contractor—T. W. Thaxter, 2117 Derby St., Berkeley. $800

DWELLING
(3583) S SANTA FAY 100 W Paloma Ave., Oakland. One-story 5-room dwelling.
Owner—Dr. Cecil E. Smith, 704 14th St., Oakland.
Architect—None.
Contractor—A. C. Sharp, 1327 E-28th St., Oakland. $3500

DWELLING
(3584) S SHAFTER AVE 159 W Pryal, Oakland. One-story 5-room dwlg.
Owner—G. J. Schwantes, 6510 Wheeler St., Oakland.
Architect—None.
Day's work. $4500

ALTERATIONS
(3585) NO. 4250 TERRACE ST., Oakland. Alterations and additions.
Owner—George Doolan.
Architect—None.
Contractor—C. C. MacLean, Albany Bldg., Oakland. $3000

DWELLING
(3586) LOT 20 BLK. M., Northbrae Terrace, Berkeley. One-story 6-room dwelling.
Owner—James Malloch, 2801 Regent, Berkeley.
Architect—None.
Contractor—John Sullivan, 6452 Harmon Court, Oakland.
Filed Oct. 15, '21. Dated Oct. 14, '21.
Frame up ..... ¼
Brown coated ..... ¼
Completed ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $5000
Bonds, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

DWELLING
(3587) SE COR. CEDAR ST. & EUclid Ave., Berkeley. Two-story dwelling.
Owner—J. B. Kingsley, Berkeley.
Architect—W. H. Ratcliff, Jr., 1st Nat. Bank Bldg., Berkeley.
Contractor—S. J. Bertelsen, 30 Estrella, Piedmont.
Filed Oct. 14, '21. Dated Oct. 12, '21.
1st day each month owner pays bills. Contractor gets $1051.
TOTAL COST, $11,561
Bonds, sureties, forfeit, none; limit, 20 days. Plans and specifications filed.

DWELLING
(3588) LOT 15 BLK 1, Thousand Oaks Heights, Berkeley. All work for one-story dwelling.
Owner—K. Q. Casebolt, Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland.
Filed Oct. 15, '21. Dated Sept. 23, '21.
Rough material on ground..... ¼
Roof framed ..... ¼
Plastering started 1/4
Doors and windows in..... ⅛
Completed and accepted..... 1/8
TOTAL COST, $6500
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

DWELLING
(3589) PTN LOTS 25 AND 26 Map Piedmont Knoll, Oakland. All work for two-story 5-room dwelling.
Owner—Lewis A. and Edith A. Penn, Berkeley.
Architect—Miller & Warnecke, 414 13th St., Oakland.
Contractor—Chester A. Gossett, 327 Davis Court, San Leandro.
Filed Oct. 15, '21. Dated Oct. 15, '21.
Frame up 1/1
Plastered 1/1
Completed and accepted..... 1/1
Usual 35 days..... 1/1
TOTAL COST, $5880
Bond, $3000. Sureties, A. S. Weaver and C. C. Starr. Limit, 75 days. Forfeit, $5. Plans and specifications filed.

DWELLING
(3590) NO. 1311 BAY VIEW PLACE, Berkeley. Two-story 7-room dwlg
Owner—Edna R. Einstein, Cloyne Ct., Berkeley.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Contractor—Ben Pearson, 2403 Grant St., Berkeley. $12,390

ALTERATIONS
(3591) NO. 1035 EUCLID AVE., Berkeley. Alter dwelling into apartments.

Owner—S. F. Pine, Premises.
Architect—None.
Contractor—H. H. Gastman, 1265 Euclid Ave., Berkeley. $5000

DWELLING
(3592) NO. 1960 LOS ANGELES, Berkeley. One and one-half-story 6-room dwelling.
Owner—Valeta E. Gede, 2315 Russell St., Berkeley.
Architect—None.
Contractor—H. Gede Sr., 852 Contra Costa Ave., Berkeley. $1000

DWELLING
(3593) NE BRUCE AND E-THIRTY-fourth, Oakland. One-story 4-room dwelling.
Owner—H. O. Ericksen, 3406 Bruce St., Oakland.
Architect—None.
Day's work. $2700

ALTERATIONS
(3594) CHEVIOLET ACRES, Oakland. Alterations.
Owner—A. E. Davidson, 69th Ave. and Naomi Way, Oakland.
Architect—None.
Day's work. $500

DWELLING
(3595) W CORONADA AVE 200 N 19th Oakland. One and one-half-story 7-room dwelling.
Owner—John P. Gallagher, 1320 31st Ave., Oakland.
Architect—None.
Day's work. $5200

DWELLING
(3596) E VALLECITO PLACE 190 S E-31st, Oakland. One-story 4-room dwelling.
Owner—W. A. Croll, 1905 69th Ave., Oakland.
Architect—None.
Contractor—Fred G. Turner, 2738 14th Ave., Oakland. $2000

GARAGE
(3597) HOTEL CLAREMONT, Oakland. One-story concrete garage.
Owner—Hotel Claremont.
Architect—None.
Contractor—S. G. Johnson, 4652 Dolores Ave., Oakland. $3500

DWELLING
(3598) W JEAN 165 N Santa Clara, Oakland. One-story 9-room dwlg.
Owner — C. H. Allison, 34 Brookside Ave., Berkeley.
Architect—None.
Contractor—H. Allison. $4000

DWELLING
(3599) LEONA HEIGHTS ADDITION, Oakland. One-story 3-room dwlg.
Owner—J. W. Anderson.
Architect—None.
Day's work. $500

DWELLING
(3600) S MONTANA 165 E Peralta Ave., Oakland. One-story 5-room dwelling.
Owner—L. E. Simmonds, 2819 Montana St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(3601) W MERRITT AVE 60 N Brooklyn, Oakland. One-story 6-room dwelling.
Owner—C. C. Adams, Alameda.
Architect—None.
Contractor—Theo. C. Casha, 1834 40th Ave., Oakland. $4000

DWELLING
(3602) NE COR SEMINARY AVE AND Noble St. Oakland. One-story 5-room dwelling.
Owner—E. B. Hook, 1241 Napa St., San Francisco.
Architect—None.
Contractor—H. C. Tollefsen, 695 30th St., Oakland. $2800

DWELLING
(3603) W 23RD AVE 153 N E-28th St., Oakland. One-story 5-room dwelling.
Owner—J. R. Falcon, 1620 E. 24th St., Oakland.
Architect—None.
Contractor—A. F. Anderson, 4337 Leach Ave., Oakland. $3000

STORES
(3604) SE COR. 38TH AND PENNIman Aves., Oakland. One-story stores.
Owner—Geo. MacDonald.
Architect—None.
Contractor—Jas MacDonald, 194 California St., San Francisco. $7500

DWELLING
(3605) E 26TH AVE S E-27th St., Oakland. One-story 4-room dwelling.
Owner—Ernest Roberts, 3216 Fruitvale Ave., Oakland.
Architect—None.
Contractor—Martin Benson, 3700 Foothill Blvd., Oakland. $2750

DWELLING
(3606) W 34TH AVE S Galindo St., Oakland. One-story 6-room 2-family dwelling.
Owner—S. N. Norman, 2241 34th Ave., Oakland.
Architect—None.
Day's work. $4200

ADDITION
(3607) 2601 TELEGRAPH AVE, Oakland. Addition.
Owner—L. L. Schmidt.
Architect—None.
Contractor—B. F. Mayhorn, 128 10th St., Oakland. $300

RECORDED

DWELLING
(3608) E EIGHTY-FIRST AVE 114 N E-14th, Oakland. All work for one-story 5-room dwelling.
Owner—A. David De Smit, 234 12th St., Oakland.
Architect—None.
Contractor—G. H. Butzbach & Son, Okd.
Filed Oct. 17, '21. Dated Oct. 14, '21.
Roof completed ..... ¼
Plastered ..... ¾
Completed and accepted ..... ¼
Usual 35 days ..... ¾
TOTAL COST, $3100
Bond, none. Limit, 60 days. Forfeit, $2. Plans and specifications, none.

DWELLING
(3609) PTN LOTS 7 AND 8 BLK 1, Map Lakeshore Glen, Oakland. All work for two-story frame dwelling and garage.
Owner—J. R. Pattee, 250 Grand St., Oakland.
Architect — Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Harry Schwalm, Berkeley
Filed Oct. 17, '21. Dated Oct. 15, '21.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $7680
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

DWELLING
(3610) LOTS 28, 29 AND 30 BLK B Poplar Tract, Eden Tp. All work for two-story frame dwelling.
Owner—Dr. Ann Martin, 2251 Telegraph Ave., Oakland.
Architect—Kenneth MacDonald, 231 Pine St., San Francisco.
Contractor—Richard J. H. Forbes, Mechanics Bldg., San Francisco.
Filed Oct. 17, '21. Dated Oct. 15, '21.
1st day of each month 75
Usual 35 days 2.25
TOTAL COST, $6100
Bond, $3247. Sureties, Minnie C. Forbes and John Cassaretto. Limit, as soon as possible. Forfeit, $10. Plans and specifications filed.

ALTERATIONS
(3611) NO. 1610 ALCATRAZ AVE., Berkeley. Alterations.
Owner—Mrs. Helen Minor, Premises.
Architect—None.
Contractor—Carl Schmitt, 1611 Ward St., Berkeley. $650

GARAGE
(3612) NO. 1514 JOSEPHINE ST., Berkeley. Garage.
Owner—J. A. Gerner, Premises.
Architect—None.
Contractor—Geo. Werner, Adeline and Emerson Sts., Berkeley. $500

DWELLING
(3613) NO. 742 NEILSON ST., Berkeley. One-story 5-room dwelling.
Owner—A. J. Pollard, 77 Plaza Drive, Berkeley.
Architect—None.
Day's work. $2000

ALTERATIONS
(3614) NO. 1732½ SEVENTH ST., Berkeley. Alterations and additions.
Owner—G. Leinstti, 1732 7th St., Bkly.
Architect—None.
Contractor—M. E. Valente and G. Passarino, 351 12th St., Oakland. $1100

GARAGE
(3615) NW ALCATRAZ AND DANA, Oakland. Garage.
Owner—W. B. Scott, 3 West View Dr., Oakland.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $450

DWELLING
(3616) W E-TWENTY-EIGHTH 420 S Park Blvd., Oakland. Two-story 8 room dwelling.
Owner— Clarence K. Nichols, 1528 Franklin St., Oakland.
Architect—None.
Day's work. $4800

DWELLING
(3617) W EIGHTY-SIXTH AVE 40 N Plymouth, Oakland. One-story 2-room dwelling.
Owner—E. M. Rommel, 1243 89th Ave., Oakland.
Architect—None.
Day's work. $600

DWELLING
(3618) W EIGHTY-SIXTH AVE 240 N Blanche, Oakland. One-story 3-room dwelling.
Owner—R. E. Reeves, 1505 37th Ave., Oakland.
Architect—None.
Day's work. $1500

DWELLING
(3619) N E-TENTH 87 W 40th Ave., Oakland. One-story 4-room dwlg.
Owner—J. Souza.
Architect—None.
Contractor—E. R. Blabon, 2482 63rd Ave., Oakland. $1800

ELECTRIC SIGN
(3620) FOURTEENTH AND WEBster, Oakland. Electric sign.
Owner—M. Donner.
Architect—None.
Contractor—Al Mulvany, 277 11th St., Oakland. $400

ALTERATIONS
(3621) NO. 51 GLEN AVE., Oakland. Alterations and additions.
Owner—C. G. Gratiot.
Architect—None.
Day's work. $1200

DWELLING
(3622) E LOMA VISTA 125 N Hopkins, Oakland. One-story 2-room dwlg.
Owner—Emily A. and Walter D. Crowley, 2475 Bryant St., S. F.
Architect—None.
Contractor—Walter D. Crowley. $400

DWELLING
(3623) W MARKET 160 N 38th, Oakland. One-story 5-room dwlg.
Owner—C. Barham Co., Bank of Emeryville.
Architect—None.
Contractor—A. T. Hendricks, 47 Fairview Ave., Piedmont. $3500

DWELLING
(3624) N RICH 200 W Webster St., Oakland. One-story 5-room dwlg.
Owner—A. P. Anderson, 5601 Adeline St., Oakland.
Architect—None.
Day's work. $4500

ADDITION
(3625) N SECOND 100 W Webster, Oakland. One-story brick addition
Owner—Calvin M. Orr, 428 Euclid Ave., Oakland.
Architect—None.
Contractor—Ben Pearson, 2403 Grant St., Berkeley. $5000

STORAGE BLDG.
(3626) S THIRD 100 W Webster, Oakland. One-story brick storage building.
Owner—Calvin M. Orr, 428 Euclid Ave., Oakland.
Architect—None.
Contractor—Ben Pearson, 2403 Grant St., Berkeley. $5000

DWELLING
(3627) W THOMAS 301 N Broadway Terrace, Oakland. One-story five-room dwelling.
Owner—C. J. Pfrang, 5448 Locksley Ave., Oakland.
Architect—None.
Day's work. $4500

RECORDED

DWELLING
(3628) NE SEMINARY AVE & NOBLE St. being lot 6 and S 8½ lot 5 blk A, Sanford Tract, Oakland. One-story 5-room dwelling, except wiring and fixtures, interior painting and decoration.
Owner—Beverly B. Hook, 1241 Napa St., San Francisco.
Architect—Not given.
Contractor—H. C. Tollefsen, 695 30th St., Oakland.
Filed Oct. 17, '21. Dated Oct. 14, '21. Each week owner pays all bills. When all bills paid.....$350
TOTAL COST, $2800
Bond, sureties, none; forfeit, $10 day; limit, 60 days after Oct. 24. Plans and specifications filed.
NOTE:—Permit reported Oct. 18, 1921, No. 3602.

DWELLING
SE CEDAR AND EUCLID AVE., Berkeley. Two-story 8-room dwelling
Owner—J. S. Kingsley, Leroy and Ridgeroad, Berkeley.
Architect—W. H. Ratcliff Jr., 1sa Nat'l. Bank Bldg., Berkeley.
Contractor—S. J. Bertelsen, 30 Estrella Ave., Piedmont. $11,561
NOTE:—Recorded contract reported Oct. 17, 1921, No. 3587.

DWELLINGS
(3629) S HILGARD 125, 158 and 192 E Scenic, Berkeley. Three one-story six-room dwellings and garages.
Owner—R. J. Young, 2612 Benvenue St., Berkeley.
Architect—None.
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland $4500 each

DWELLING
(3630) E OXFORD 185 N Cedar, Berkeley. One-story 7-room dwlg.
Owner — Clarence B. Crane, 1550 La Loma St., Berkeley.
Architect—None.
Contractor — P. L. Crane, 2695 Cedar St., Berkeley. $4000

ALTERATIONS
(3631) NO. 1204 TAMALPAIS ROAD, Berkeley. Alterations and additions to dwelling.
Owner—Mrs. Chester H. Rowell, 2939 Ashby Ave., Berkeley.
Architect —John Hudson Thomas, 1st National Bank Bldg., Berkeley.
Contractor—Matt L. Koski, 35 Ramona Ave., Oakland. $12,000

DWELLING
(3632) W BUELL 50 N Daisy, Oakland. One-story 1-room dwelling.
Owner—Peniel Mission, 227 South Main St., Los Angeles.
Architect—None.
Contractor—R. P. Waddell, 373 Newton Ave., Oakland. $437

GARAGE
(3633) E BROADWAY 500 S Napa, Oakland. Garage.
Owner—Irene Burket.
Architect—None.
Contractor—H. C. Pfrang, 5659 Ocean view Drive, Oakland. $700

DWELLING
(3634) E BROADWAY 325 S Napa, Oakland. One-story 5-room dwlg.
Owner — Howard Marshall, 5448 Locksley Ave., Oakland.
Architect—None.
Day's work. $3500

DWELING
(3635) W CHAMPION 150 N Nicol Ave., Oakland. One-story 5-room dwelling.
Owner—J. F. Butler, San Francisco.
Architect—None.
Contractor—E. T. Mattison, 2434 Damuth St., Oakland. $3100

DWELLINGS
(3636) S CARRINGTON 60 and 100 E 40th Ave., Oakland. Two one-story four-room dwellings.
Owner — E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $2500 each

DWELLING
(3637) W ROSEDALE 340 N Carrington, Oakland. One-story 5-room dwelling.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(3638) N FOOTHILL BLVD. 100 E Parker Ave., Oakland. One-story five-room dwelling and garage.
Owner—Harry W. Hawley, 1106 Madison St., Oakland.
Architect—None.
Contractor — Barr & Son, 52 Vernon St., Oakland. $3300

DWELLINGS
(3639) NW COR 47TH & WEST STS., and W West 30 N 47th St., Oakland. Two 1-story 5-room dwellings.
Owner—E. E. Smith, Syndicate Bldg., Oakland.
Architect—None.
Contractor—J. E. Sprague, 1529 Alice St., Oakland. $2800 ea.

DWELLING
(3640) N. FOOTHILL BLVD. 158 E. 47th Ave., Oakland. One and one-half-story 6-room dwelling.
Owner—H. Correia, 1679 42nd Ave., Oakland.
Architect—None.
Contractor—E. G. Stanley, 1436 45th Ave., Oakland. $3500

DWELLING
(3641) SW COR LAGUNA & SCENIC Ave., Oakland. One-story 5-room dwelling.
Owner—W. H. Mattison.
Architect—None.
Contractor—E. T. Mattison, 2434 Damuth St., Oakland. $3500

ALTERATIONS
(3642) 931 MARKET ST., Oakland. Alterations.
Owner—A. J. Barton.
Architect—None.
Day's work. $400

WAREHOUSE
(3643) W. MYRTLE ST., GORE, SAN Pablo, Oakland. One-story warehouse.
Owner—P. A. Spott, 1315 Seminary Ave., Oakland.
Architect—None.
Contractor—L. Williams, 1919 San Pablo, Oakland. $2000

GARAGE
(3644) 5658 OCEAN VIEW DRIVE, Oakland. Garage.
Owner—C. L. Walter.
Architect—None.
Contractor—H. C. Pfrang, 5659 Ocean View Drive, Oakland. $400

DWELLING
(3645) E. SHEFFIELD AVE. 158 S. Hopkins, Oakland. One-story 5-room dwelling.
Owner—Edna Steinmetz, 488 13th St., Oakland.
Architect—None.
Contractor—J. P. Ehrman, 1734 69th Ave., Oakland. $3400

STORES
(3646) W. SAN PABLO 100 N. Linden, Oakland. One-story stores.
Owner—R. Klemer, 3429 San Pablo, Oakland.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland. $2900

ADDITION
(3647) 821 12TH ST., Oakland. Addition.
Owner—D. O. Dobson, Bacon Bldg., Oakland.
Architect—None.
Contractor—J. M. Dennis, 847 7th Ave., Oakland. $1300

(3648) TIFFANY ROAD, Oakland. Addition.
Owner—Geo. Duckworth, Fruitvale Extension, Oakland.
Architect—None.
Day's work. $2000

DWELLING
(3649) W WINSOR AVE 300 N Lakeshore, Oakland. Two-story five-room dwelling.
Owner—L. G. Penn, 2356 Woolsey St., Oakland.
Architect—Chester H. Miller, 414 13th St., Oakland.
Contractor — Chester A. Gossett, 327 Davis St., San Francisco. $5950

RECORDED

STORES
(3650) PTN 125 N OF NW CORNER San Pablo Ave. and Linden St. N 25 W 109-10 S 25-10¾ E 116-7¼, Oakland. All work for one-story stores.
Owner—Rudolph Kleiner.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—G. A. Scott, 685 23rd St., Oakland.
Filed Oct. 19, '21. Dated Oct. 17, '21

Brown coated $1083
Completed and accepted..... 1083
Usual 35 days..... .22
TOTAL COST, $2888
Bond, $1444. Sureties, Carl T. Doell and C. M. Macdregor. Limit, 60 days. Forfeit none. Plans and specifications filed.

PERMITS

DWELLING
(3651) NO. 2009 BUENA VISTA AVE., Alameda. One-story 4-room dwlg.
Owner—West End Building Association 1536 Webster St., Alameda.
Architect—None.
Contractor—Jensen & Pedersen, 3411 Adeline St., Oakland. $2700

DWELLING
(3652) NO. 2124 LINCOLN AVE., Alameda. One-story 5-room dwelling.
Owner—C. W. Brown, 2126 Lincoln Ave., Alameda.
Architect—None.
Day's work. $3200

ALTERATIONS
(3653) NO. 1102 LINCOLN AVE., Alameda. Alterations.
Owner—J. A. McKeever, 1617 8th St., Alameda.
Architect—None.
Day's work. $2000

DWELLING
(3654) NO. 1029 PEARL ST., Alameda. One-story 6-room dwelling.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $4000

ADDITION
(3655) NO. 1428 SHERMAN ST., Alameda. Addition.
Owner—Mrs. R. Nickerson, Premises.
Architect—None.
Contractor — W. A. Farris, 16 Monte Vista Ave., Alameda. $1000

ADDITION
(3656) NO. 2229 SANTA CLARA AVE., Alameda. Addition.
Owner—Dr. Riley, Premises.
Architect—None.
Contractor—J. C. Henderson, 2223 Santa Clara Ave., Alameda. $400

ALTERATIONS
(3657) NO. 1025 SHERMAN ST., Alameda. Alter school.
Owner—Mrs. Taylor Green, Premises.
Architect—None.
Contractor—A. T. Spence, 641 Taylor Ave., Alameda. $2400

DWELLING
(3658) NO. 1901 MARIN AVE., Berkeley. One-story 6-room dwlg.
Owner—James Mallock, 1601 Milvia St., Berkeley.
Architect—None.
Contractor—J. Sullivan, 6452 Harmon Court, Oakland. $5000

DWELLINGS
(3659) W ATHOL AVE 91-137 N Melford Rd., Oakland. Two 1-story 6-room dwellings.
Owner—H. C. Liebonow, 6526 Webster St., Oakland.
Architect—A. H. Peterson, 1st Nat. Bank Bldg., Oakland.
Day's Work $5000 ea.

DWELLINGS
(3660) W 83RD AVE 225-250 S D St., Oakland. Two 1-story 3-room dwellings.
Owner—Roy Wilson, 1455 86th Ave., Oakland.
Architect—None.
Day's work. $750 ea.

DWELLINGS
(3661) NE COR 86TH AVE & E ST., and E 86th Ave 35 N E St., Oakland. Two 1-story 3-room dwellings.
Owner—Roy Wilson, 1455 86th Ave., Oakland.
Architect—None.
Day's work. $750 ea.

DWELLING
(3662) N 45TH ST 190 W West St., Oakland. One-story 6-room dwelling.
Owner—Jas. L. and Mary C. Sage, 837 38th St., Oakland.
Architect—None.
Contractor—Jas. L. Sage. $3750

GARAGE
(3663) SW COR GROVE & AILEEN Sts., Oakland. One-story tile garage.
Owner—L. H. Spence.
Architect—None.
Contractor—Hamilton & Osborn, 825 Santa Fe Ave., Berkeley. $1000

DWELLING
(3664) N MELROSE AVE 50 E 47th Ave., Oakland. One-story 6-room dwelling.
Owner—O. Zetterblad, 2006 45th Ave., Oakland.
Architect—None.
Day's work. $3800

DWELLING
(3665) E RAWSON AVE 160 S Kingsland, Oakland. One-story 6-room dwelling.
Owner—J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4200

DWELLINGS
(3666) W RAWSON AVE 365-405-445-485 N Brookdale, Oakland. Four 1-story 6-room dwellings.
Owner—J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4200 ea.

DWELLING
(3667) E SEMINARY AVE 100 N Bromley, Oakland. One-story 6-room dwelling.
Owner—W. L. Brown, 1422 90th Ave., Oakland.
Architect—None.
Contractor—J. F. Brown. $3500

DWELLING
(3668) S SCENIC AVE 150 W Laguna Ave., Oakland. One-story 4-room dwelling.
Owner—L. E. Van Ness, Box 433, R. F. D. No. 1, Oakland.
Architect—None.
Day's work. $2350

DWELLING
(3669) 5217 WEST ST., Oakland. One-story 4-room dwelling.
Owner—Harry Johnston.
Architect—None.
Contractor—Thad Tupper, 2310 Russell St., Berkeley. $2500

RECORDED

FLATS & STORE
(3670) PORT. PLOT 40 MAP RANchos Vicente Domingo Peralta, Emeryville. Two-story frame flats and store, except fin. hardware.
Owner—E. Winsby, 1942 Webster St., Oakland.
Architect—F. D. Voorhees, 1829 West St., Oakland.
Contractor — Alfred Peterson, 3918 Lindwood Ave., Oakland.
Filed Oct. 19, '21. Dated Oct. 18, '21.
1st day each month 75%
Usual 35 days 25%
TOTAL COST, $11,689
Bond, $5844.50; surety, Globe Indemnity Co.; forfeit, none; limit, 75 days after Oct. 20. Plans and specifications filed.

PILES AND DRIVING
(3671) FOOT MARKET ST., Oakland. All work for piles and driving.
Owner—Howard Co., Premises.
Engineer—J. D. Galloway, 1st Nat'l. Bank Bldg., San Francisco.
Contractor—Healy, Tibbitts Constr. Co. 9 Main St., San Francisco.
Filed Oct. 20, '21. Dated Oct. 18, '21.
TOTAL COST, $4766
Bond, $3000. Surety, National Surety Co. Limit, 45 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Oct. 19, 1921—PTN LOTS 26, 27 and 28 BLK 2, Brougher Tract, Alameda. Louis Wanderer to Oakley & Kolmodin.....Sept. 20, 1921
Oct. 18, 1920—LOT 5 BLK 22 Map Northbrae, Berkeley. Douglas Campbell to whom it may concern. .....Oct. 17, 1921
Oct. 17, 1921—E MARKET 481 S First S 175xE 100, Oakland. P. G. & E Co to Steel Tank & Pipe Co.. .....Oct. 7, 1921
Oct. 17, 1921—NW MATHER AND Piedmont Ave N 40xW 70, Oakland. Herman Voigt to R L Robins..... .....Oct. 14, 1921
Oct. 17, 1921—E SEMINARY AVE 250 N E-14th, Oakland. Annie and Paul C Glud to H C Tollpen.. .....June 24, 1921
Oct. 17, 1921—LOT 12 BLK "B" Grand Avenue Heights, Piedmont. Nella M Porter to Home Realty Co.....Oct. 15, 1921
Oct. 17, 1921—NW 40 LOT 38, Map Piedmont-by-the-Lake, Oakland. William J Baker to whom it may concern .....Oct. 17, 1921
Oct. 17, 1921—LOT 5 BLK "D" Map Maxwell Park, Oakland. E F Henderson to whom it may concern.....Oct. 12, 1921
Oct. 14, 1921—LOT 20 BLK 1, Map Lakeshore Highlands, Oakland. Janet F W Mowatt to whom it may concern.....Oct. 12, 1921
Oct. 14, 1921—E 40 LOT 5 BLK 1, Map Thousand Oaks Station Tract, —— A H Pallen to whom it may concern.....Oct. 11, 1921
Oct. 14, 1921—LOT 44 BLK 6 Map Berkeley Heights, Berkeley. Joseph R Hardman to E F Henderson... .....Oct. 8, 1921
Oct. 14, 1921—LOT 9 Map A. J. Snyder's Piedmont Terrace-by-the-Lake, Oakland. Sarah Cianciarulo to Gordon Wiser.....Oct. 14, 1921
Oct. 15, 1921—LOT 20 and Ptn Lot 25 Blk 3, Berkeley Square, Bkly. E T Henderson to whom it may concern.....Oct. 13, 1921
Oct. 13, 1921—N SEVENTH bet. Willow and Campbell, Oakland. Lekos Bros to Wm J Baccus..... .....Oct. 12, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Oct. 13, 1921—LOT 27 BLK "F", Lakewood Park Tract, Oakland. Chamberlain & Osgood vs A V Alder $24

Notice of Non-Responsibility

ALAMEDA COUNTY

Oct. 13, 1921—LOTS 27 AND 28 BLK 3, Revised Map Valley Road Trct., Berkeley. Cornelia and John Lilienthal as to improvements on property .....

HOMESTEADS

ALAMEDA COUNTY

Oct. 19, 1921—N FIFTY-SECOND 280 W Market W 40xN 135, Oakland. Nellie Fulton (wf John J)....$5000

Oct. 19, 1921—E JAY 50 S Eagle Ave S 48.50 E 100 N 51.46 W 100, Alameda. Julia Gomez (wf Antonio) $4200
Oct. 17, 1921—SW PARKER AND Milvia th along Parker 85xS 45, Berkeley. Walter R and Georgana Keyworth $6000
Oct. 17, 1921—NE LE ROY AVE & Virginia N 50xE 60, Berkeley. Sophie V Culp (wf Daniel S)...$5000
Oct. 14, 1921—LOTS 43 AND 44 BLK 5, Map Briggs Tract, Oakland. Joe De Aguiar Pedro $3500
Oct. 15, 1921—LOT 3 BLK "B" Map Fourth Avenue Park, Oakland. Grace Adell Spencer (wf George D) $5000
Oct. 15, 1921—N VICENTE PERALTA Reservation and E Lorin Villa Tct S 99.40 xE 40, Oakland. Lewis C Bailey $5000
Oct. 13, 1921—LOT 25 BLK 3, Map Amended Thousand Oaks Court, — Elizabeth Loewenthal $9000

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
NO. 1414 FORTY-THIRD ST., Sacramento. Two-story 8-room dwlg.
Owner—Chas. E. Wright, 817 J St., Sacramento.
Architect—None.
Day's work. $7000

DWELLING
NO. 1349 FORTY-THIRD ST., Sacramento. Two-story 7-room dwlg.
Owner — South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $6500

DWELLINGS
NO. 2981, 2983 TWENTY-FOURTH ST. and 320 25th St., Sacramento. Three one-story 5-room dwellings.
Owner—Chas. E. Wright, 817 J St., Sacramento.
Architect—None.
Day's work. $3000 each

DWELLING
NO. 2167 MARSHALL WAY, Sacramento. One-story 6-room dwlg.
Owner—P. McGivray, Capitol National Bank Bldg., Sacramento.
Architect—None.
Contractor—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento. $6100

DWELLINGS
NO. 4070 AND 4080 SECOND AVE., Sacramento. Two one-story 5-room dwellings.
Owner—D. Lamorus, 4139 5th St., Sacramento.
Architect—None.
Day's work. $3000 each

REPAIRS
NO. 707 CALIFORNIA ST., Sacramento. General repairs.
Owner—W. C. Smith.
Architect—None.
Contractor—M. L. Thorn, 1630 21st St., Sacramento. $600

DWELLING
NO. 1851 FORTY-FIFTH ST., Sacramento. Five-room frame dwlg.
Owner—A. Small, 1871 45th St., Sacramento.
Architect—None.
Day's work. $2500

DWELLING
NO. 2219 F ST., Sacramento. One-story 6-room dwelling.
Owner—H. M. Reith, 524 23rd St., Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura Way, Sacramento. $3750

DWELLING
NO. 2221 F ST., Sacramento. One-story 6-room dwelling.
Owner—H. W. Burgess, 426 23rd St., Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura Way, Sacramento. $3550

DWELLING
NO. 2336 SLOAT WAY, Sacramento. Five-room dwelling.
Owner—G. Littig, 2344 Sloat Way Sacramento.
Architect—None.
Day's work. $2600

DWELLING
NO. 3882 FIFTH AVE., Sacramento. One-story 5-room dwelling.

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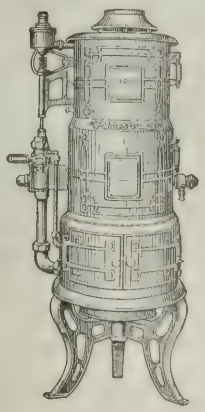
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Owner—F. P. O'Connor, Premises.
Architect—None.
Day's work. $2000

DWELLING
NO. 3915 FOLSOM BLVD., Sacramento. Five-room dwelling.
Owner—A. R. Grimstead, Ochsner Bldg., Sacramento.
Architect—None.
Contractor—W. B. Ladue, 2319 O St., Sacramento. $6100

RESIDENCE
2422 E ST., Sacramento. One-story frame residence.
Owner—Joe Rusk. Premises.
Architect—None.
Day's work. [illegible]

BUILDING CONTRACTS

SANTA CLARA COUNTY.

HOUSE
PALO ALTO, Cal. One-story house.
Owner—Ruth M. Stedman, Palo Alto, Cal.
Architect—Not given.
Contractor—W. S. Couter, Palo Alto, Cal
Filed Oct. 13, '21. Dated Oct. 4, '21.
Foundation in and material on site $625
Frame up 625
Completed 625
Usual 35 days 625
TOTAL COST, $2500
Bond, $1250; sureties Agnes G. Couter and Anton Prusa; forfeit, none; limit, 30 working days from Oct. 10, 1921. Plans and specifications filed.

Owner—Chas. Howes, San Jose.
Architect—A. P. Hill, 1350 Sherman St., San Jose.
Contractor—R. O. Summers, 17 N. 1st St., San Jose. $6900

COTTAGE
17TH NR. SAN CARLOS, San Jose. Six-room cottage.
Owner—Barnett & Phelps, 7 N. 1st St., San Jose.
Architect and Contractor—J. A. Wagner, 320 S. 15th St., San Jose. $4000

APARTMENT HOUSE
SAN CARLOS AND THIRD STS., San Jose, Cal. Two-story apartment house.
Owner—Nellie G. Henning, San Jose, Cal.
Architects—Binder & Curtis, 255½ S. First St., San Jose, Cal.
Contractor—P. T. Jorgensen, 25 Villa Ave., San Jose.
Filed Oct. 14, '21. Dated Oct. 13, '21.
When frame is up 25%
When enclosed 25%
Completed and Accepted 25%
Usual 35 days 25%
TOTAL COST, $15,874
Bond, $7937; sureties, Jas. H. McElroy and F. P. Heringer; forfeit, none. limit, four calendar months after Oct. 13, 1921. Plans and specifications filed.

RESIDENCE
CITY OF PALO ALTO. All work for one-story frame residence.
Owner—H. P. Ingram.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Contractor—M. C. Ingraham, 460 Delbosco Ave., San Francisco.
Filed Oct. 11, '21. Dated Sept. 30, '21.
Roof rafters properly placed $900
[illegible] 900
[illegible] 900
[illegible] 900
TOTAL COST [illegible]
Bond [illegible]; Sureties, J. C. Moore Sr. and Edwin Peterson. Limit, none. Forfeit, none. Plans and specifications filed.

BUNGALOW
SYCAMORE TRACT NO. 2, San Jose. All work for five-room bungalow and garage.
Owner—Leland A. Calice, 411 E-San Fernando St., San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—A. K. Burkett, 246 Randol Ave., San Jose.
Filed Oct. 13, '21. Dated Oct. 13, '21.
Building enclosed $1520
Brown mortar on 1520
Completed and accepted 1520
Usual 35 days 1520
TOTAL COST $6080
Bond, limit, forfeit, none. Plans and specifications filed.

RESIDENCE
PALO ALTO, Cal. 1565 Webster St. One-story residence.
Owner—Glenn C. Kenyon, Palo Alto, Cal.
Architect—A. B. Clark, Stanford University, Cal.
Contractor—The Minton Co., Palo Alto, Cal.
Filed Oct. 13, '21. Dated Oct. 6, '21.
Frame completed, roof sheathed, brick chimney in 1331.75
Plumbing, electrical and mill work in 1331.75
Completed and accepted 1331.75
Usual 35 days 1331.75
TOTAL COST, $5327.00
Bond, $2663.50; sureties, William P. Wright and Margerie Minton; forfeit, none; limit, 80 working days after Oct. 6, 1921. Plans and specifications filed.

COTTAGE
15TH NR. WASHINGTON, San Jose. Five-room cottage.
Owner—R. Purdy, 235 S. 17th St., San Jose.
Architect—W. W. Hastings, 524 E. St. James St., San Jose.
Contractor—A. Bowen, 1069 S. 7th St., San Jose. $3750

GARAGE
COTTAGE
NO. 968 S-SEVENTH ST., San Jose. Five-room cottage.
Owner—Jno. W. Williams, 931 S-8th St., San Jose.
Architect—None.
Day's work. [illegible]

COTTAGE
182 S. ELEVENTH, San Jose. Six-room cottage.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Oct. 14, 1921—SAN JOSE. George L Hampsch to M C Welch. Oct. 10, 1921
Oct. 11, 1921—PALO ALTO, Cal. H. E. Wagner to whom it may concern ..... Oct. 7, 1921
Oct. 8, 1921—STANFORD UNIVERSITY, Cal. Delta, Delta, Delta House Assn. to Burdon & Kirkhouse .... Sept. 26, 1921
Oct. 11, 1921—LOT 3 OF RHOADES Homestead, San Jose, Cal. Milton A. Peterson to whom it may concern ..... Sept. 17, 1921
Oct. 10, 1921—NORTH 10TH ST., San Jose. Vincent De Cola to E. Nommensen ..... Oct. 10, 1921

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Oct. 14, 1921—GILROY. J. F Smith, vs Gordon E and Anna Chappell... ..... $421.00

BUILDING CONTRACTS

FRESNO COUNTY

SCHOOL
BENDER SCHOOL DISTRICT, Fresno. All work for brick school.
Owner—Bender School District.
Architect—None.
Contractor—Martin Constr. Co.
Filed Oct. 13, '21. Dated Oct. 11, '21.
Foundations and floors laid and all brick delivered on premises. $1000
Brick walls complete 2000
Roof and plastering complete .. 2783
Building complete 2892
Usual 35 days 2892
TOTAL COST, $11,567
Bond, $6000. Surety, Republic Casualty Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
1223 "L" ST., Fresno. Alterations.
Owner—W. B. Holland, 25 Forthcamp, Fresno.
Architect—None.
Day's work. $4115

DWELLING
1721 ILLINOIS AVE., Fresno. Dwelling.
Owner—H. S. Gillean.
Architect—None.
Contractor—O. D. Atkins, 3338 Lowe St., Fresno. $3800

DWELLING
466 HOWARD ST., Fresno. Dwelling.
Owner—Dow & Co., Fresno.
Architect—None.
Day's work. $4500

DWELLING
3526 MONO ST., Fresno. Dwelling.
Owner—Marguerite M. Reiss.
Architect—None.
Contractor—C. E. Mulhollen, 363 Thesta Sa., Fresno. $3700

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
Oct. 15, 1921—LOT 2 BLK 14, Wilson North Fresno Tract, Fresno. Anna R Bean to whom it may concern .. .. Oct. 13, 1921
Oct. 15, 1921—LOTS 7 AND 8 BLK 1, Calwa Townsite. Flotilla I Grote to whom it may concern. Oct. 10, 1921
Oct. [illegible] 1921—LOT 24, Normal Villa, Fresno. Samuel Z Todd to whom it may concern ..... Oct. 10, 1921

LIENS FILED

FRESNO COUNTY

Recorded Amount
Oct. 19, 1921—NE ¼ OF SW ¼ OF Sec. 23, 16-21, Fresno. O C De La Grange vs Bert Lynn and J M Brown $617

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Oct. 17, 1921—PTN LOT 1 BLK 24, Amended Map San Carlos, San Carlos. William E and Sigue E Johnson to R P Hurlbut .. Oct. 15, '21
Oct. 13, 1921—LOT 11 BLK 1, Glenwood Park, Burlingame. Wm and J. F Matson Jr to whom it may concern ..... Completed —
Oct. 10, 1921—LOT 11 BLK 28, Amended Map, San Carlos, San Carlos. Charles and Edith McNeill to whom it may concern. Oct. 8, 1921

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SAN FRANCISCO, CAL., OCTOBER 29, 1921

Published Every Saturday
Twenty-first Year, No. 44

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

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Building & Engineering News

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J. P. FARRELL, Managing Editor

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SEPTEMBER BUILDING OPERATIONS

Los Angeles held third place among the cities of the United States in building for September, 1921. New York City's total for the month slumped off seven millions from August and Chicago held her own. Detroit and Cleveland with substantial gains in building operations for the month compared with August were fourth and fifth, respectively. San Francisco jumped up to ninth place in the list, Portland was fifteenth and Oakland seventeenth. Seattle was the only other Pacific Coast city in the million-dollar class. Long Beach leads all other Pacific Coast cities with a total of $822,675 and Pasadena comes next with $757,204. One hundred and ninety-six cities reporting for September, 1921, show a total of 48,274 permits with an estimated valuation of $144,-059,405 as compared with 35,455 permits with an estimated valuation of $94,169,337 issued during September, 1920, a gain of 52 per cent. There was some recession in building activities during September as compared with August of this year, for which month 197 cities reported 51,525 permits with an estimated valuation of $160,028,895. This loss apparently reflects only the usual seasonal slowing up of building operations which is even less marked than in previous years. Agitation to eliminate seasonal construction periods throughout the East and Middle West has been carried on for some time, but it is expecting too much to hope that immediate widespread results will be reflected in building activities. Deep-rooted customs are not usually changed over night.

FIRE LOSS IN UNITED STATES

The fire loss in the United States for one year placed in pennies would reach eleven times around the earth and then across the United States.

National Association of Contractors to Cooperate with Local Interests to Further Construction

November 4 is the day set for holding a meeting of Associated General Contractors in San Francisco to outline a program of greater cooperation to the end that building may be stimulated as one means of amelioration of unemployment conditions.

This announcement is contained in a communication to BUILDING & ENGINEERING NEWS from the Associated General Contractors of America, Washington, D. C., which states that the association has launched a national campaign to start construction as outlined by the unemployment conference recently convened in that city.

In a letter addressed to W. O. Winston, president of the association, Herbert Hoover, at the close of the present session of the unemployment conference, declared construction to be the key to the present situation. For, as shown at the conference, every 200 men employed in actual construction set to work from 500 to 700 men in other basic industries, such as lumber, cement, transportation, mining, manufacturing, etc. Mr. Hoover's letter says in part:

"I am advised that you and several members of your executive board are about to make an extended trip in the interest of the construction industry. I express the hope that you will lay before the several communities you visit the importance of getting under way at once the construction program outlined, which is felt to be the key to the present situation."

To start this program, meetings of representative citizens and general contractors have been arranged in the principal cities. W. O. Winston of Minneapolis, president; W. A. Rogers of Chicago, F. L. Cranford and D. A. Garber of New York, together with G. W. Buchholz, secretary, and E. J. Harding, assistant secretary of the national organization, will address the meetings in behalf of an aggressive program, both national and local, to start construction.

That this construction program cannot be gotten under way without the organized effort of community and construction interests will be the message carried by these leaders.

To start this work, central committees of general contractors in each of the cities will be appointed as nuclei of a permanent organization. The work now being done by similar organizations affiliated with the association in other cities will be outlined, as illustrative of what might be accomplished.

Under direction of General R. C. Marshall, Jr., formerly chief of the construction division of the War Department and chairman of the construction committee of the unemployment conference, this work has already been organized in from 25 to 30 cities, covering in some instances entire states.

From headquarters in Washington, General Marshall is already working through national committees of general contractors on labor, materials, methods, contracts, insurance and bonds, transportation, codes, legislation, information and statistics to bring about conditions which will make possible the carrying out of the construction program outlined by the president's conference.

The organization of local conference boards, representing architects, engineers, contractors and labor, to handle local jurisdictional disputes and other local construction problems is going forward.

The fire loss in the United States would pay the national debt, prior to the World War, in four years.

The French people have said of us Americans, "They are mighty builders and mighty burners," and so we are, not intentionally or criminally, but negligently and carelessly.

Fires in the United States cost approximately $500 a minute.

The average loss in the United States during the last 10 years increased 68.59 per cent. The increase in population was 20.67 per cent. Draw your own conclusions.

Carelessness costs this Nation a $450,000,000 fire waste every year.

The fire loss in the United States would pay the cost of the Panama Canal in two years.

BUILD A HOME

This is a good time for the building of homes in California, says the Oakland Tribune. The cost of construction has dropped from the peak of 1919 to about what is was in 1916. A home may be built today about as cheaply as five years ago. There is a scarcity of homes. There is a scarcity of employment for workers and it is a community obligation to perform as large a volume of work during the coming winter months as possible.

Here, then, is three favors that make the building of homes desirable. There is a fourth. It is the fact that investment in a home is the soundest and safest investment in the world that any man may make. There is no other investment that on the whole gives so much satisfaction, so much security and so high a feeling of pride and self-respect.

Eastbay home sites have always been reasonable in cost. Land was the only thing that did not soar in price during the war. It is to be had at a reasonable cost today. It will never be any cheaper in this section of the State. Home-building is the greatest of industries.

An inventor is working on a new motor fuel called acetol, a combination of alcohol and ether.

The Observer

Archbishop Edward J. Hanna, C. F. Michaels, of the firm of Langley & Michaels, and H. U. Brandenstein, attorney, have been named by the Industrial Association as members of the new wage board to adjust wages in the building trades industry. The board is now arranging to convene and will soon issue a statement of the hearings to be held and the procedure to be followed.

Lumber prices in Southern California have increased ten per cent, a canvas of Los Angeles lumber yards revealed, according to dispatches from that city. Dealers say that other towns in that part of the state have made similar increases. Heavy demand because of increased building operations was given as the reason.

The proposed conference in Washington on the Colorado River project, originally set for October 27, has been postponed on account of the threatened railroad strike, according to word received by William J. Locke, Secretary of the California League of Municipalities. Locke said he believed the conference would be held early in November at San Diego, instead of Washington.

Archer Wall Douglas, chairman of the Committee of Statistics and Standards of the Chamber of Commerce of the U. S. in his monthly review of the business situation, declares "there is a better demand for lumber at a somewhat high figure. The belief is general that next Spring will usher in renewed construction activity."

Methods by which realtors can lend great assistance to President Harding and Secretary Hoover in their efforts to stimulate employment are outlined in a bulletin sent to 385 real estate boards in the United States by I. R. Hiett, president of the National Association of Real Estate Boards. "Activity in the building industry will provide employment for hundreds of thousands," he said. "Millions of dollars a day paid in wages would be used to buy products of farm and factory and so bring employment to men and women in other fileds. Persuade your local authorities to establish a special committee on building activities."

The Valley Lumber Co. will erect a new planing mill in Lodi. A site for the mill has been purchased at Stockton and Elm streets. J. W. Shattuck, former manager of the Reliance Lumber Company will be in charge.

As a measure to relieve the unemployment situation, a resolution was presented to the municipal unemployment commission of St. Louis calling upon Congress to enact legislation to permit the manufacture of light wines and beer in order that the breweries might be re-opened, giving employment.

The Merced plant of the California Pottery Company started operations last week with four kilns, the first unit of sixteen completed. A force of thirty is employed at the start and this will be increased with the expansion of the plant, the building of which will continue.

That lumber of the extent of approximately 250,000,000 feet is to be milled during the next few years on the Forest Hill Divide, sixteen miles east of Colfax, Placer County, is the announcement of B. C. Soule, who with associates control large timber holdings in that region. The timber is mostly sugar pine, according to Soule. It is stated that a mill with a capacity of 100,000 feet per day is now being installed and that about $150,000 will be expended before operations commence. Large sums have already been paid out for preliminary work.

Harry Barnes has been appointed Chief Engineer for the Madera Irrigation District.

The Pomona Chamber of Commerce wants additional work done on the conservation of water and flood control, to meet the needs of their city. The chamber claims that $272,400 was promised in the original flood control project, of which $93,144 only has been expended. It asks for certain definite work to be done, which they will cost about $200,000.

A permanent supply of Southern pine of between five and six billion feet yearly will be available for the United States, according to estimates of the Southern Pine Association of New Orleans. The report says that for at least twenty years the bulk of this production will be from virgin growth; afterward second growth timber will comprise a larger and larger proportion of the output. The pine forests, the association points out, include 260,000,000,000 feet of standing timber, and stretch is an almost unbroken belt from Virginia to Texas.

The Madera Sugar Pine Company is going to give the city of Madera a consideration when they build their new mill. The new plant will cover about a section of land and will be what is known as a four-band-mill saw mill, with a cutting capacity of from 65,000,000 to 80,000,000 feet annually.

Pacic Coast cities led those of all other sections of the United States in building construction activity during September, according to figures compiled covering operations in 196 American cities. Los Angeles building passed the $8,000,000 mark, setting a new record. San Francisco building totaled $2,100,163. Portland reported a gain of 122 per cent over September, 1920, totals, while Seattle construction recorded a gain of 50 per cent over the September figures of last year. The American Contractor of Chicago has compiled a tabulation of national construction during the month of September, which, considering the existing depression in many lines of business, is decidedly encouraging.

Receipts from the National Forests for the last fiscal year show a considerable falling off in comparison with what was paid the government for timber sales, grazing fees and special uses during the preceding year, according to a report issued by the Department of Agriculture. Twenty-eight states received checks totaling $619,993 from the United States Treasury as their share of receipts from the forests during the last year. An additional $247,997 of the receipts has become available for road and trail construction by the Forest Service of these states, making a total of $857,990. California received the largest share of the receipts: Amount 25 per cent item, $132,406; forest service road and trail fund, $52,962; total, $185,368.

Iron and steel industry in the vicinity iron and steel industry in the vicinity of Youngstown, Ohio, is experiencing marked improvement. A resume of the district shows 85 out of 105 sheet mills in operation; 13 blast furnaces out of 47; 37 open hearth furnaces out of 66. A summary shows steel production 60 per cent capacity; sheets and tin 75 per cent; tube mills 50 per cent; wire and nail products 70 per cent; other finishing mills 40 per cent.

Building trades mechanics are not needed in Los Angeles, says the Building Trades Council of the southern city in a letter to the local council. P. H. McCarthy, president of the council, has been asked to make that fact known to all San Francisco building trades artisans. Following the building trades controversy in San Francisco, several hundred local mechanics went to Los Angeles. For a short while all were kept busy, but now the Los Angeles council says that budliing has slowed up and there are over 30,000 workers, building trades and other crafts out of work in the South.

Articles of incorporation of the S. P. Brick and Tile Co. have been filed with the County Clerk at Hanford by G. Levin Aynesworth, attorney of Fresno. The principal place of business is Fresno. Capital stock, $250,000. Directors are: H. W. Shields, Fresno; W. D. Trewhitt, Hanford, and L. E. Hayes of Exeter.

Retail dealers are buying lumber to fill short stocks and wholesalers are buying to fill out the poorly balanced contents of their yards, according to reports from Seattle, Wn. As a result, there has been an active selling week, with new business in Western Oregon and Western Washington 36 per cent above production.

The story that Charles M. Schwab is closing a deal for the purchase of the Los Angeles Shipbuilding and Drydock Company at San Pedro, is carried by the newspapers is pronounced without foundation at the local offices of the Bethlehem Shipbuilding Company. It was asserted that J. J. Tynan, who is in charge of the Bethlehem plants in the Potrero and Oakland estuary, would be in charge of the Los Angeles concern, the price of which was put at $6,000,000.

Lee H. Newbert, manager of the East Bay division of the Pacific Gas and Electric Company, has resigned as chairman of the advisory committee of the California Electrical Co-operative Campaign and A. W. Childs, superintendent of sales for the Southern California Edison Company, has been named in his stead. Newbert served the electrical fraternity for a period of four years as chairman of the committee.

AUTHORSHIP OF DAM DEVELOPMENT CREDITED TO S. F. ENGINEER

Dispute over authorship of the development of the Hydraulic Fill dam, which recently arose before the American Society of Civil Engineers, has been resolved in favor of J. M. Howells, a San Francisco engineer, according to a statement issued by W. G. Wilhelm, chief engineer of the East Bay Water Company.

Allen Hazen, of Boston, in a paper read before the society, gave credit to Messrs. Schuyler and Howells, while George L. Dillman called this a "misstatement of fact," saying that the Chabot or San Leandro dam "was built before they were ever heard of, and was largely hydraulicked."

Mr. Wilhelm says that, in a paper writer was resident engineer in charge read to the society, Mr. Howells took no part in the personal question involved, but confined himself to discussion to technical details. In his statement Mr. Wilhelm says:

"As the hydraulic process of dam building has revolutionized earth dam construction and become standard throughout the world it is no more than justice that the unpublished defense of Mr. Howells' connection with the matter should be known.

"P. E. Harroun, consulting engineer of San Francisco, who quoting authorities and speaking from his own personal knowledge, shows that the San Leandro dam was not built by the hydraulic method. Furthermore, the writer believes that Mr. Howells is the pioneer in hydraulic fill dam construction, having built three dams of this type before Mr. Schuyler entered the field. These dams were the Tyler Texas dam in 1894, La Mesa dam in 1895, and the Crane Valley dam in 1899-1900.

"Mr. Harroun says: 'The first true hydraulic fill dam known was, I believe, the dam at Tyler, Texas. This dam was designed and built by J. M. Howells, M. Am. Soc. C. E., now consulting engineer in San Francisco. Prior to that time Mr. Howells, in 1892-1893 had designed and was building an earth dam 1,250 feet long and 95 feet high at Santa Fe, New Mexico. The writer was resident engineer in charge of construction on the work at Santa Fe and during this time Mr. Howells repeatedly discussed with the writer the problems pertaining to the hydraulic fill type and some experimental work in sluicing and also in hydraulic segregation of material was carried on.

"'I think there is no question whatever but that the dam at Tyler, Texas, built by Mr. Howells in 1894 is the first true hydraulic fill dam ever built.'"

ROAD BUILDERS TO CONVENE AT CHICAGO

The Board of Directors of the American Road Builders' Association has announced that its next annual convention and good roads show will be held in Chicago, Ill., on January 17, 18, 19 and 20. Last year the association held its convention and show at the Coliseum in Chicago, which was declared by all attending to be the greatest and most successful ever held. Because of the central location of Chicago, the directors of the association have decided to hold the convention in that city again. Plans are now under way to make the coming convention even greater than that of last year. In addition to the papers and discussions on important highway problems by leading road builders of the country, the exhibition of road machinery will be an extremely valuable feature. With the central location of Chicago, the immense amount of road money available and the increased interest in road matters, the directors of the association are of the opinion that the coming convention and show will surpass any previously held and that highway engineers, contractors and officials will attend in greater numbers than ever before.

Financial Profiteering Checks Construction; Bankers' Obligation to Furnish Money at a Fair Profit

(By John R. Wiggins, President, John R. Wiggins, Inc., Philadelphia, Pa., in Associated General Contractors of America Bulletin.)

During the past year and a half reductions in building materails and wages have brought about a resultant substantial lowering of construction costs. Labor has become much more productive, giving in general a full day's work for a full day's pay. Contractors and materials manufacturers have materially cut their profits. All of this has resulted in bringing the present cost of construction to a new normal, which seems to be almost as close to the old normal as we are likely to arrive at, at least for a long period of years.

Present Prices Justify Building

Men high in Government office (National, State and Municipal), business men, students of economics, and statisticians throughout the country are driving home gradually but surely to the prospective investor in the field of construction that whatever slight fall in prices may come about during the next few years will not reimburse him for losses sustained by failure to obtain now the income from, or the use of, the prospective building, so that deterrent number one, as noted above, is in a fair way of being eliminated.

The second deterrent, however, namely, difficulty in financing new construction work, is without question the most serious menace to the active resumption of construction activity.

High Money Rates Stop Construction

After men of undoubted good judgment and sound business integrity decide that they want to build new buildings, the greatest difficulty is experienced in securing reasonable assistance from financial interests at a non-exorbitant rate. State laws in Pennsylvania prohibit an interest charge of more than 6 per cent per annum, but financiers, as is well known, circumvent this law by adding charges for securing loans and for guaranteeing the payment of interest and principal, and in other ways increase the cost of financing construction to such an extent that in one instance, of which I know personally, the cost of financing was 10 per cent. In other cases of which I have directly heard, the financing cost ranged from 12 per cent to as high as 20 per cent.

The National City Bank of New York City has recently issued a monograph entitled "The Banker's Chief Obligation," extracts from which are given below.

"The banker's first obligation is to safeguard the funds in his custody and keep himself in position to meet all demands for their return. It is not enough that a loan shall be 'good,' it must me collectible when due.

"It (the bank) is an agency for the more efficient use and handling of the community's wealth, but not for making wealth by any magical method, such as the printing press affords, or by creating deposits through loans

"It is a mistake to suppose that bank funds may be loaned arbitrarily or to serve personal interests or favorites, at the will of bank managers."

Real Estate Mortgage Helps Situation

The conditions quoted above from the publication of the National City Bank are all met, and more than met, by the mortgage on real estate. Certainly the mortgage takes its place as a true leader in the field of sound investment. A mortgage is not only sound and safe, but it represents money loaned on real property, which is the only permanent taxable wealth the world knows.

If building in Philadelphia and in the country at large is to proceed in the volume justified by present building conditions and vitally necessary because of the unprecedented need, money will have to be directed to this purpose by the bankers. Every citizen can help to bring about the restoration of construction activity upon which the general prosperous condition of the Nation is more dependent than upon any other one industrial development. He can help by the investment of his own funds in new construction work and by using his influence with his associates and with the banks in order to enlist their interest and aid.

Bankers Must Come to Rescue

It is the patriotic and civic duty of bankers to aid in the restoration of prosperity by making available, for all high-grade building projects, adequate funds at a fair rate of interest without adding distressing conditions. Bankers who insist on an exorbitant return for their money are as much profiteers as others who take advantage of war conditions.

I can see financiers smile at sentiment or patriotism in business and hear their arguments that they handle the deposits of other people's money for the benefit of the depositors and have no right to be influenced by either sentiment or patriotism in handling investments for their depositors. Suppose, for the sake of argument, we admit this. Will not the removal of the excessive burden on borrowed money bring prosperity and will not prosperity give greater returns to the depositors' money than the present system of burdensome charges.

Construction Industry Greatest

The construction industry of the United States is the greatest industry in the world. It employs more men than any other industry, provides approximately 30 per cent of the total railroad tonnage of the country, and in normal times produces annually from three billions to four billions of additional permanent taxable wealth. This great industry, affecting, as it does, all other lines of business and ultimately affecting the lives of all American citizens, has lain almost prostrate far too long. Every effort made in the direction of making funds available for its immediate resumption on a large scale will constitute a very step on the path leading America back to industrial health and commercial prosperity.

The automobile industry in America employs more than 300,000 men.

Building News Section

APARTMENT HOUSES

Plans Being Prepared.
APARTMENTS Cost, $50,000
SAN FRANCISCO. Western Addition.
Three-story and basement frame and plaster apartment house.
Owner—Withheld.
Architect—Milton Latham, 454 Montgomery St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $33,500
OAKLAND. E. Alice St. 724 N. 14th St.
Three-story frame (38) apartments.
Owner—Rachel and L. Lerokointz.
Architect—Not given.
Contractor—M. and Felix Sommarstrom, 3145 Champion St., Oakland.

Contract Awarded.
APARTMENTS Cost, $36,427
BERKELEY. SE Dwight Way and Etna St.
Three-story frame apartments.
Owner—I. Salsman.
Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.
Contractor—L. Lucas, 555 59th St., Oakland.

Contract Awarded.
APARTMENTS Cost, $45,000
LOS ANGELES. New Hampshire St. bet. 8th and 9th Sts.
Two-story frame and plastered apts. (20 apts.).
Owner—D. Grossman.
Architect—None.
Contractor—Lee Callahan & Sons., 1622 W. 24th St., Los Angeles.

Plans Being Prepared.
APARTMENTS Cost, $60,000
SAN FRANCISCO. Clay Street near Chinatown.
Four-story Class C apartment house (33 two and three-room apts).
Owner—Withheld.
Architect — Sam Lightner Hyman, Crocker Bldg., San Francisco.

Plans Being Prepared.
STORE & APT. BLDG. Cost, $10,000
SAN ANSELMO, Marin Co., Cal.
Two-story reinforced concrete store and apartment bldg. (2 stores and four 3-room apts.).
Owner—Name withheld.
Architect—J. W. Dolliver, 114 Sansome St., San Francisco.

Contract Awarded.
APT. HOUSE Cost, $16,000
OAKLAND. S. E-12TH ST. 78 E. 4th Street.
Two-story 16-room tile apartment house.
Owner—Clara K. Haynie, 352 E. 12th St., Oakland.
Architect—Not given.
Contractor—W. C. Marshall, Bacon Bldg., Oakland.

Plans to be Ready End of This Week.
APARTMENTS Cost, $——
SAN LEANDRO, Alameda Co., Cal.
Two-story and basement brick apartment house.
Owner—Sylvain Godchaux.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Figures to Be Taken for Plumbing, Heating, Plastering, Carpentry and Painting.
APARTMENTS Cost, $75,000
SAN FRANCISCO. NE Sacramento and Jones Sts.
Five-story reinforced concrete apartments (9 apts.).
Owner—J. Dougherty, 401 Phelan Bldg.
Architect—Albert Schropfer, Nevada Bank Bldg.
Original Architect—J. F. Dunn (deceased).
Mr. Schopfer has been appointed by the owner to supervise the completion of this structure for which Mr. Dunn was the architect.
Figures will be taken in about a week for plumbing, heating, plastering, carpentry and painting.

Segregated Figures to Be Taken in About a Week.
APARTMENTS Cost, $20,000 ea.
SAN FRANCISCO. S. Union 81-6 and 109-6 W. Leavenworth.
Two 3-story and basement frame apts. (six 4-room apts.).
Owner—M. G. Lurmann.
Architect—Albert Schroepfer, Nevada Bank Bldg.
NOTE:—In reporting these jobs on Oct. 19th the architect was given as Arthur Bugbee, which was an error.

Owner Taking Figures.
APT. HOUSE Cost, $60,000
SAN FRANCISCO. W. Powell 87 N. Bush.
Five-story and basement Class "B" apt. house (18 apts.).
Owner—Herman Hogrefe, 345 Leavenworth St.
Architect—Ed E. Young, 251 Kearny Street.

Contract Awarded.
APARTMENTS Cost, $34,000
SAN FRANCISCO S. Pine 100 W Hyde.
Three-story and basement frame; 12 apts.
Owner, M. D. Warwick.
Architect—Chas. Skidmore, Call Bldg.
Contractor—H. C. Warwick, 3191 Washington street.

Plans Being Figured.
HOUSES, ETC. Cost, $22,000 ea.
SAN FRANCISCO, N Geary, E Commonwealth Ave.
Three two-story frame and plaster apt. houses, building garages in rear (4-5-room apts.)
Architect—O. R. Thayer, 110 Sutter St.
Owner—T. D. Harter.
Separate figures are being taken for a general contract, painting, electric work, heating, finish, hardware, window shades and light fixtures.

BANKS

Contract Awarded.
ALTERATIONS Cost, $15,000
SAN FRANCISCO. SE California and Montgomery Streets.
Alterations to bank (marble work, plumbing, electrical work, etc.)
Owner—American National Bank.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

Plans to be Prepared.
BANK Cost, $50,000
SANTA CLARA, Santa Clara Co., Cal. Corner Washington and Franklin Streets.
One-story reinforced concrete bank building.
Owner—The Garden City Bank & Trust Co.
Architect—Not Selected.
An architect will be selected within 90 days.

BONDS

SACRAMENTO, Cal.—City Commissioners vote to call election to bond the city for $900,000 to complete the filtration plant. Albert Givan, City Engineer.

SAN MATEO, San Mateo Co., Cal.—Bonds of $200,000 have been voted in the San Mateo Grammar School Dist.; proceeds of sale will finance new school in neighborhood of Poplar Ave. and D St.; additions and purchase of additional ground at Homestead school; new school on Central school grounds; additions to Lawrence school. Trustees of the district are: W. F. Turnbull, E. C. Lyndon and J. J. Casey.

SACRAMENTO, Cal.—December 21 is date set by City Commissioners to decide on the issuance of $900,000 in bonds to finance completion of the filtration plant and $200,000 for improving municipal wharves.

SACRAMENTO, Cal.—To compplete the school building program as originally planned, a $500,000 bond issue will be required, according to W. A. Meyer, chairman of the Building Committee, Board of Education.

REEDLEY, Fresno Co., Cal.—Election held in Altamont School District to vote bonds for financing construction of new school failed to carry.

SACRAMENTO, Cal.—Bonds of $80,000 of Courtland Union High School District sold by Supervisors for premium of $4,616; proceeds of sale to finance the completion of the structure now under construction, plans for which were prepared by Architect F. A. Foale, Ochsner Bldg., Sacramento.

PALO ALTO, Santa Clara Co., Cal.—Nov. 15 is date set to vote bonds of $15,000 for enlarging public library.

BANNING, Riverside Co., Cal.—An election will be held Nov. 15 to vote on issuing $35,000 bonds for grading and paving 1 mi. of Ramsey St. and $35,000 bonds for construction of storm drains. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

CHURCHES

LOS ANGELES, Cal. — Architects Pierpont and Walter S. Davis, 3215 W. Sixth St., Los Angeles, were the winners in the competition conducted to select an architect for the new church building to be erected at West Adams and Figueroa streets in Los Angeles for St. John's Episcopal Church. The church will cost $200,000. Later the church will erect a parish hall and rectory at the same site. The competition was a limited competition conducted under the rules of the American Institute of Architects.

Edwin Bergstrom of Los Angeles was the professional advisor and the jury consists of Ernest Coxhead, architect, of San Francisco; Wm. Templeton Johnson, architect, of San Diego, and Dr. George Davidson, pastor of the church. The competitors were: Pierpont and Walter S. Davis, Allison & Allison, Montgomery & Nibecker, Robert D. Farquhar, Reginald Johnson and Lyman Farwell. The winning design was Spanish Renaissance in style.

FACTORIES & WAREHOUSES

Contractor Taking Sub-Figures.
FACTORY Cost, $50,000
WOODLAND, Yolo Co., Cal.
One-story reinforced concrete and Fenestra sash car factory building 160x250.
Owner—A. Meister & Sons.
Architect—None.
Contractor—Robert Trost, 26th Street and Treat Ave., San Francisco.

Construction To Start in a Few Days.
PACKING HOUSE. Cost, $150,000
SACRAMENTO, Cal. 5th and R Sts.
Two-story and basement reinforced concrete packing house, 80x160.
Owner — Virden Packing Co.; Chas. Virden, President.
Architect and Contractor—McGillivray Constr. Co., Capital Natl. Bank Bldg., Sacramento.

Plans To Be Submitted To the Board This Week For Approval.
WAREHOUSE Cost. $2,300,000
SAN FRANCISCO. Area between Embarcadero, China Basin, 3rd St. and Berry St.
Six-story reinforced concrete wharf shed and warehouse building, 122x 812 ft., sea wall, railroad tracks, dredging, etc.
Owner—Board of State Harbor Commission.
Engineer — Frank G. White, Ferry Bldg., San Francisco.
NOTE:—The dredging of the site and pulling of piles has been started.

Contract Awarded.
ADDITION Cost, $——
LOS ANGELES. 9th St. near Alameda Street.
Two-story reinforced concrete addition to warehouse, 120x120.
Owner—R. H. Arnold.
Architect and Contractor—John M. Cooper, Marsh-Strong Bldg., Los Angeles.

Plans Being Prepared.
FACTORY BLDG. Cost, $70,000
VERNON, Los Angeles.
One-story steel and brick auto factory, 70x250.
Owner—Name withheld.
Architect—W. P. Moran Co., 511 Central Bldg., Los Angeles.

Plans Being Figured—Bids Close Oct 28, 1921, noon.
FACTORY BLDG. Cost, $37,500
SAN FRANCISCO. N Howard W 1st.
Two-story reinforced concrete Class "C" factory bldg., 50x82.
Owner—Louis R. Lurie.
Lessee—Harper-Pierce Co.
Architect—O'Brien Bros., 240 Montgomery St.
Figures are being taken for a general contract, except the elevator.
Exterior cement, interior plastered, floor tile, 1 elevator, iron grilles, metal windows and rolling wood doors.

Ordered to Start Construction—Ready for Sub-figures.
PACKING PLANT, ETC. Cost, $800,000
SACRAMENTO, Cal. "P" St.
Two and 3-story packing plant 170x 340 and a 2-story warehouse 150x 340 (reinf. concr.).
Owner—California Packing Corp., 101 California St., San Francisco.
Architect—Phillip Bush, 101 California St., San Francisco.
Contractor—Lindgren & Co., Monadnock Bldg., San Francisco.
This contract was awarded in September of 1920, but construction was held up. Orders have now been given the contractors to proceed with the work.

Contract Awarded.
FACTORY Cost, $40,000 approx.
SAN FRANCISCO. S. Folsom St. E of Second St.
Three-story reinforced concrete and frame Class C factory.
Owner—Bothin Realty Co.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Adam Arras, 180 Jessie St.

Low Bidder.
WHOLESALE BLDG. Cost, $50,890
OAKLAND, Alameda Co., Cal. Third and Broadway.
Two-story reinforced concrete wholesale building.
Owner—Tillman & Bendel, Harrison & Embarcadero Sts., San Francisco.
Architects — Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Low Bidder—Lawton & Vezey, Plaza Bldg., Oakland, and Call Bldg., San Francisco.

Figures To Be Taken Next Week On Concrete Work, Steel and Grading.
LOFT BLDG. Cost, $45,000
OAKLAND. W. Webster St., N. 14th St.
Two-story and basement reinforced concrete loft building, 50x150.
Owner—Max Horwinski.
Architect—Sidney B. and Noble Newsome, Nevada Bank Bldg., S. F.

MARYSVILLE, Yuba Co., Cal.—Virden Packing Co., Capitol Natl. Bank Bldg., Sacramento, planning constr. of $250,000 fruit packing plant in Marysville on a site served by three spur tracks, one from S. P., another from W. P. and a third by Sacramento Northern Railroad. The Chamber of Commerce is in communication with the Virden Co. and early action is expected. The architect will be selected shortly.

SACRAMENTO, Cal.—Southern Pacific Co. planning expenditure of $451,000 at Sacramento yards, in addition to work already under way. New construction follows: New planing mill, $186,000; new Grey iron foundry, $125,000; new system of fire protection, including larger and additional pipe lines with distributing systems, $60,000; new oil supply system, involving the removal of a 55,000-bbl. oil tank, $40,000; generation of acetylene gas and distribution of same through pipe lines, $40,000.

CALIFORNIA—Golden State Construction Co., 415-17 Delta Bldg., Los Angeles, report having closed a percentage contract for constructing 150 distillation plants in California, Utah, Nevada and Colorado, for the International Shales Process Corporation of Pittsburg. The first plant will be erected in Kern County. Each unit is estimated to cost $87,500 for the plant alone. The company will also construct necessary roads, bridges, camps and quarters. The plants are for distilling oil from shale.

OAKLAND, Cal.—The Montgomery-Ward Co., Chicago mail order house, is contemplating the erection of a factory building in Oakland. A site containing 45,000 square feet will be purchased for the plant.

FIREHOUSES AND JAILS

Plans Being Figured—Bids Close Nov. 29, 1921, 11 A. M.
JAIL BLDG. Cost, $100,000
SANTA ANA, Orange Co., Cal.
Four-story and basement reinforced concrete jail building, 100x125.
Owner—Orange County.
Architects—John and Donald B. Parkinson, 420 Title Insurance Bldg., Los Angeles.
Plans may be obtained from the County Clerk or the architect on a deposit of $20.
Separate figures are being taken on the general contract, plumbing, steam heating and ventilating, elevators, steel cells and jail fixtures.

OAKLAND.—Until Oct. 27, 12 m., bids will be received by Eugene K. Sturgis, City Clerk, for alterations and renewal of 1st floor in firehouse No. 3 in West 8th St. bet. Campbell and Willow Sts. Spec. on file in office of clerk.

FLATS

Segregated Figures Being Taken.
FLATS, ETC. Cost, $11,000
SAN FRANCISCO. Twenty-sixth Ave. and Anza St.
Two-story and basement frame and plastered flats (two 5-room flats) and basement garage.
Owner—Mrs. Koepke.
Architect—Ernest Hildebrand, 68 Post St., San Francisco.

Segregated Figures Being Taken.
FLATS Cost, $12,000
SAN FRANCISCO. Larkin St. near Pacific Avenue.
Two-story and basement frame and plaster flats (2, 5-room flats).
Owner—Miss Henderson.
Architect—Ernest Hildebrand, 68 Post St., San Francisco.

Plans Being Prepared.
FLAT BLDGS. Cost, $15,000 ea.
SAN FRANCISCO. 20th Ave. near Anza.
Three 2-story frame and plaster flat bldgs. (2 flats each).
Owner—A. H. Korn.
Architect—Sam Lightner Hyman, Foxcroft Bldg., San Francisco.

Contract Awarded.
STORES, FLATS Cost, $12,000
SAN FRANCISCO. NW Clement and 8th Ave.
All work except plumbing, elec., tile, elec. fix., shades, hardware, painting, wall beds, gas heating, metal bars for 2-story frame stores and 2 flats.
Owner—E. J. Osborne, Tr. E. M. Robbins, 1300 Sacramento St., S. F.
Architect—Erle J. Osborne, 593 Market St., S. F.
Contractor—Ed Zinkand and Son, 434 10th Ave.

Contract Awarded.
FLATS Cost, $10,000
SAN FRANCISCO. NE Geary and 23rd Ave.
Two-story and basebent frame (4) flats.
Owner—John F. Mullane, 155 29th St.
Architect—C. O. Clausen, Hearst Bldg.
Contractor—O. Holt, 3877 26th St.

Owner Taking Sub-Figures.
TWO FLATS Cost, $15,000
CITY OF SAN FRANCISCO, W 21st Ave., 100 N Fulton.
Two-story and bath frame, two flats.
Owner—A. J. Silva, 501 Gough St.
Architect—Henry C. Smith, Humboldt Bank Bldg.

GARAGES

Plans Being Prepared—Figures to Be Taken in Two Weeks.
GARAGE Cost, $75,000
SAN FRANCISCO California near Kearny.
Three-story and basement reinf. concr. garage.
Owner—Thomas McDougall.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.

Plans Being Prepared.
PUBLIC GARAGE Cost, $25,000
SAN FRANCISCO. N. Mission 326 E. 8th St.
Two-story concrete public garage.
Owner—Geo. J. Zett.
Engineer—J. H. Hjul, 850 Monadnock Bldg., San Francisco.

Owner Taking Figures.
BUILDING Cost, $18,000
SAN JOSE, Santa Clara Co., Cal., Pierce Ave. and Market St.
One-story and mazzanine floor reinforced concrete garage and auto sales building.
Owner—Abertelle & Figone, 551 South Market St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO.—Until Oct. 31, 11 a. m., under Order No. 3347, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. f. o. b. regular wharf, Rio Vista, Solano County, 100 lbs. putty in 5-lb. cans; 50 gals. paint, war grey, in 5-gal. cans; 25 lbs. whiting, for mixing with putty; 20 gals. turpentine substitute in 5-gal. cans; 10 lbs. litharge for repairing leaks; 6 no. paint brushes, 4", best quality.

SAN FRANCISCO.—Until Oct. 31, 11 a. m., under Order No. 3346, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. f. o. b. regular wharf, Rio Vista, Solano County: 12 pcs. 1½"x12"x18' clear cedar, s. 4 s.; 1100 ft. B. M. 1"x12"-12' to 20' lengths, No. 1 common pine, s. 4 s.; 40 ft. B. M. 1"x4" T. & G. pine flooring; 250 ft. B. M. 1"x3" T. & G. pine ceiling, single beaded; 24 pcs. 2"x4"x18' No. 2 clear or better pine, s. 4 s.

SAN FRANCISCO.—Until Nov. 1, 11 a. m., under Order No. 3349, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. f. o. b. wharf, Rio Vista, Solano County, miscellaneous hardware and supplies.

WASHINGTON, D. C.—Bids will be received until Nov. 15, 1921, at 3 p. m., by the Supervising Architect's Office, Washington, D. C., for furnishing sterilizing equipment, plumbing fixtures, radiators, kitchen equipment, etc., for the U. S. P. H. S. Hospital Fort Mackenzie, Sheridan, Wyoming. For further particulars see call for bids under official proposal column.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 8886, during period ending April 30, 1922, for Mare Island, 2000 dozen corn brooms. Nov 8.

Schedule 8887, for delivering at eastern and western navy yard, miscellaneous handled hammers. Nov. 15.

Schedule 8888, for Mare Island and Puget Sound, miscellaneous woodworkers' socket chisels. Nov. 15.

Schedule 8889, for delivering at Mare Island and Puget Sound, 369 ratchet drills. Nov. 15.

Schedule 8890, for various eastern and western navy yards, miscellaneous pipe wrenches. Nov. 15.

Schedule 8891, for eastern and western yards, various kinds of jacks. Nov. 15.

Schedule 8892, for Mare Island, C clamps. Nov. 15.

Schedule 8894, for Mare Island, or f. o. b. contractor's works, 210,000 pounds black medium steel plain angles. Nov. 8.

Schedule 8896, for Puget Sound, 2,000 gallons petroleum spirits (turpentine substitute) in commercial 5-gallon full measure cans, 2 cans to case. Nov. 8.

Schedule 8898, for Mare Island and Puget Sound, 930 gasoline torches. Nov. 15.

Schedule 8908, for various navy yards, steel marking figures and letters. Nov. 15.

Schedule 8909, for Mare Island, f. o. b. works, 1,500 barrels Portland cement. Nov. 8.

Schedule 8913, for Mare Island f. o. b. works, 6,000 gallons paint drier in 5-gallon cans, 2 cans to case. Nov. 15.

Schedule 8914, for Mare Island, f. o. b. works, 40,000 pounds galvanized corrugated soft sheet steel, 27.5 in. wide, 96 in. long, 25 mils thick. Nov. 15.

Schedule 8915, for Mare Island, miscellaneous steel angles, channels and plates. Nov. 15.

Schedule 8918, for delivering at eastern and western navy yards, 9 ventilating sets. Nov. 15.

Schedule 8919, for Puget Sound, furnishing and installing metal furniture. Nov. 15.

Schedule 8921, for various eastern and western navy yards, 5 sterliziers. Nov. 15.

Schedule 8935, for Mare Island, 5,000 pounds hard-drawn seamless copper tubing in commercial 12-ft. lenghts. Nov. 15.

Schedule 8940, for various eastern and western navy yards, insulating varnish. Nov. 15.

Schedule 8942, for Mare Island 5,000 pounds copper tubing. Nov. 15.

Schedule 8944, for the navy yard, Puget Sound, 900 ft. mooring halter. Nov. 15.

Schedule 8945, for the navy yard, Mare Island, 128,850 pounds steel plates. Nov. 22.

Schedule 8950, various eastern and western navy yards, 258 chain hoists. Nov. 15.

Schedule 8952, f. o. b. contractor's works, 500 target sleeves. Nov. 8.

Schedule 8953, for Mare Island, 2,500 water gauge glasses. Nov. 15.

WASHINGTON, D. C.—Bids will be received until November 16, 1921, at 1 p. m., by the Supervising Architect's Office, Washington, D. C., for mechanical equipment at Whipple Barracks, Prescott, Ariz. **For further particulars see call for bids under official proposal column.**

WASHINGTON, D. C.—Until Nov. 18, 10:30 a. m., bids will be received by Panama Canal Commission, for installing automatic sprinkler equipments in Hotel Tivoli, Administration Bldg., and electrical storehouse in the Canal Zone. Work authorized under Circular No. 1460. Further information may be had from Assistant Purchasing Agent of Commission, Fort Mason, San Francisco.

SAN FRANCISCO—Until Nov. 1, 11 A. M., under Order No. 3362, bids will be received by U. S. Engineer Office, 240 Montgomery street, for furnishing and delivery at Rio Vista, Solano Co., 100 ft. single ply 1½-in. and 100 ft. 3 ply 2-in. leather belting, waterproofed.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
ALTERATIONS Cost, $8,500
SAN FRANCISCO. Presidio Golf Club.
Alter club building (enlarge main locker room, new toilet and shower facilities, etc.).
Owner—Presidio Golf Club.
Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.
Contractor—Brockhage, Foley & Green, 180 Jessie St., San Francisco.

Plans Being Figured.
LODGE BLDG. Cost, $——
DINUBA, Tulare Co., Cal.
Two-story lodge building, 50x60
Owner — Fraternal Hall Association, Dinuba.
Architect—Not Given.

Contract Awarded.
CHAM. OF COM. BLDG. Cost, $74,387
LONG BEACH, Los Angeles Co., Cal.
E Ocean Blvd.
Two-story brick and plaster Chamber of Commerce Bldg.
Owner—City of Long Beach.
Architect—W. Horace Austin, 222 1st Natl. Bank Bldg., Long Beach.
Contractor—G. D. Sanford, 415 E. 17th St., Long Beach.

Plans To Be Prepared.
MASONIC TEMPLE Cost, $750,000
OAKLAND, Alameda Co., Cal. 14th St. between Alice and Jackson Sts. (302x220).
Class "A" Masonic Temple.
Owner—Lodge of Perfection of the Ancient and Accepted Scottish Rite of Freemasonry.
Architect—To be selected shortly.

OROVILLE, Butte Co., Cal.—Native Sons and Native Daughters of the Golden West, acting jointly, will construct fireproof lodge building in Montgomery St. Building committee consists of W. M. Thomas, George W. Braden, J. Emory Sutherland, Bert Baldwin and Frank Boyle.

HOSPITALS

Construction to be Started Shortly.
HOSPITAL Cost, $30,000
SELMA, Fresno, Co., Cal. Lee and Stillman Streets.
Two-story and basement fireproof hospital (25 patients).
Owner—Community Hospital.
Designer—C. E. Morrison, Care Selma Planing Mill, Selma, Cal.
Interested in the project are Dr. O. W. Steinward of Parlier, chairman; J. P. Olsen, P. H. Hansen, C. W. Christensen and Mrs. Maud Scott.

Plans Being Prepared.
ADDITION Cost, $40,000
ROSS, Marin Co., Cal.
Frame or concrete addition to sanitarium and three cottages.
Owner — Ross Sanitarium (Dr. A. Ritter).
Architect—J. W. Dolliver, 114 Sansome St., San Francisco.
NOTE:—Plans will be figured in three weeks.

Plans Being Figured—Bids Close Nov. 15, 2 p. m.
HOSPITAL BLDG. Cost, $——
EUREKA, Humboldt Co., Cal.
Construction of new tubercular hospital.

Owner—County of Humboldt, Fred M. Kay, Clerk.
Architect—Newton Ackerman, 430 "H" St., Eureka, Cal.
See call for bids under official proposal column in this issue.

LOS ANGELES, Cal.—C. J. Kubach Co., 701 Mer. Nat. Bank Bldg., L. A., was awarded the general contract at $216,800, with an addition of $1811 for concrete wall and iron fence, for the communicable diseases building to be erected at the County Hospital. The elevator enclosures were let to Jackson Iron Works at $15,600 and refrigerating system to Bedell Engineering Co. at $2385. The plans were prepared by William Davidson, chief mechanical engineer, three-story and basement, 156x168 feet, capacity of 100 beds; reinforced concrete frame, brick filler walls, ruff brick facing, cast stone trimmings, galvanized.

POWER PLANTS

SEATTLE, Wash.—R. C. Storrie Co., Crocker Bldg., San Francisco, at $2,203,865, awarded contract by City Council to construct 11,000 ft. tunnel for Skagit power project, to carry water from the damsite to power house at Gorge Creek. The tunnel will be driven through solid granite, 23 ft. in dia., and will be lined with a thick coating of concrete.

SAN BERNARDINO, Cal.—Finley-Sweeney Co. has been awarded a contract at about $12,000 to construct a nine-mile power line from Gold Mountain to Bear Valley for Bear Valley Utilities Co.

PUBLIC BUILDINGS

Plans Approved.
LIBRARY, ETC. Cost, $12,500
FRESNO, Fresno Co., Cal. Mariposa and N Streets.
One-story rustic and plaster auditorium, library, etc.
Owner—American Legion.
Architects—Glass & Butner, Cory Bldg., Fresno.

Plans Being Figured—Bids Close Oct. 31, 7:30 P. M.
CITY HALL, ETC. Cost, $——
MADERA, Madera Co., Cal.
Two-story city hall and fire house.
Owner — City of Madera, Lillian W. Rhodes, Clerk.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.
See call for bids under official proposal column in this issue.

Plans Being Prepared.
MEMORIAL Cost, $8,000
GLEN ELLEN, Sonoma Co., Cal.
Jack London Memorial.
Owner—Glen Ellen Club Women.
Architect—R. E. Murphy, Sonoma City, Cal.
Construction will not be started until the earlier part of 1922.

Plans Being Prepared.
POSTOFFICE BLDG. Cost, $——
RICHMOND, Contra Costa Co., Cal. N. E. 6th St. and Nevin Ave.
One-story brick postoffice building.
Owner—Wilbur S. Pierce.
Lessee—U. S. Government.
Architect—Chas. W. Claudius, Hobart Bldg., San Francisco.

OAKLAND, Cal.—Until Oct. 27, 12 m., bids will be received by Eugene K. Sturgis, City Clerk, for installing new stall urinals in men's toilet rooms, 1st floor, City Hall. Spec. on file in office of clerk.

MERCED, Merced Co., Cal.—Until Nov. 8, 10 a. m., bids will be received by P. J. Thornton, County Clerk, for fur. and install. low pressure steam heating system in County Library. Cert check 10% payable to county required with each bid. Plans may be had from County Surveyor A. E. Cowell on deposit of $5.

RED BLUFF, Tehama Co., Cal.—Bids will be received until November 7, 1921, at 8 p. m., by E. F. Lennon, City Clerk of Red Bluff, for repairing the roof of the City Hall.
See call for bids under official proposal column in this issue.

RESIDENCES

Plans Being Prepared.
RESIDENCE, ETC. Cost, $12,000
PIEDMONT, Wildwood Gardens.
Two-story frame and plastered residence (8 rooms) and garage.
Owner—E. M. Earle.
Architect—John Hudson Thomas, First Natl. Bank Bldg., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, $20,000
SAN FRANCISCO. 27th Ave. in Sea Cliff.
Two-story frame and plastered residence.
Owner—Martin Rosenbladt.
Architect—Sam Lightner Hyman, Foxcroft Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE, ETC. Cost, $25,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story frame and plastered residence and garage.
Owner—Walter G. Hyman.
Architect—Sam Lightner Hyman, Foxcroft Bldg., San Francisco.

Plans Being Prepared.
ALTERATIONS, ETC. Cost, $3500
BERKELEY. 1317 Shattuck Ave.
Alterations and addition to frame residence (add 2nd floor, alter living room, etc.).
Owner—H. E. McCarthy, premises.
Architect—John Hudson Thomas, First Natl. Bank Bldg., Berkeley.

Plans to be Prepared.
RESIDENCE Cost, $20,000
SAN FRANCISCO. Commonwealth & Euclid Avenues.
Two-story frame and plaster residence and garage.
Owner—Samuel Baer.
Architect—Sam Lightner Hyman, Foxcroft Bldg., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $35,000
SAN FRANCISCO. Pacific Avenue near Steiner Street.
Three-story and basement frame and stucco residence (14 rooms, 5 bathrooms and garage).
Owner—Mrs. Sidney Lippitt.
Architect—Milton Latham, 464 Montgomery St., San Francisco.
Figures are being taken for a general contract except heating, light fixtures and painting for which separate bids will be taken.

Owner Taking Sub-Figures.
RESIDENCES Cost, $4500 each
SAN FRANCISCO. S Woodland E of Willard.
Ten one-story and basement frame residences.
Owner — H. Sutro, 1199 Stanyan St., San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Contract Awarded.
DWELLING Cost, $8000
BERKELEY, Alameda Co., Cal. S Brookside Ave. 80 E Claremont.
Two-story 7-room frame dwelling.
Owner—C. A. Rochester.
Architect — James W. Plachek, 2011 Shattuck Ave., Berkeley.
Contractor — Roy O. Long Co., 2111 Shattuck Ave., Berkeley.

Plans Being Figured.
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal. Crocker Highlands.
Two-story frame and plaster residence (9 rooms).
Owner—E. N. Pearson Jr.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $100,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story frame and plaster residence with terra cotta roof.
Owner—George G. Moore.
Architect—Bakewell & Brown, 251 Kearny St., San Francisco.
Construction will not be started for at least six months.

Contract Awarded.
RESIDENCE Cost, $25,000
HOLLYWOOD, Los Angeles. Crescent Heights Blvd.
Two-story frame and plaster residence (10 rooms).
Owner—Jack Coogan.
Architect—Norman W. Alpaugh, 1106 Story Bldg., Los Angeles.
Contractor—Roland Stern, 1818 Highland Ave., Los Angeles.

Plans Being Completed.
RESIDENCE Cost, $35,000
PATTERSON, Stanislaus Co., Cal.
Two-story frame and stucco residence (tile roof), 12 rooms.
Owner—J. D. Patterson.
Architects—Glass & Butner, Cory Bldg., Fresno.

Plans Being Prepared.
ADDITION Cost, $8000
SAN FRANCISCO. Ingleside Terrace.
One-story addition to 2-story frame and plaster residence.
Owner—Roy L. Daly.
Architect—J. W. Dolliver, 114 Sansome St., San Francisco.

Completing Plans—Contract Awarded.
RESIDENCE Cost, $——
LOS ANGELES, Cal. SW Fifth and Rossmore Sts.
Two-story frame, brick and plaster residence (15 rooms, 4 bathrooms, also garage for 3 machines and chauffeur's quarters and laundry).
Owner—W. H. Daum.
Architects—Train & Williams, 226 Western Mutual Life Bldg., Los Angeles.
Contractor—Adam Daum, 2615 North Broadway, Los Angeles.

Plans Being Figured—Bids Close Nov. 5, 1921.
SCHOOL EQUIPMENT Cost, $——
BISHOP, Inyo Co., Cal.
Blackboards, shades, cork linoleum, program clocks, stage curtain and equipment, and electric light fixtures for high school.
Owner—Bishop Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Contract Awarded.
DWELLING Cost, $10,000
OAKLAND. SW Huddon Rd. and Hillgirt.
One-story 8-room dwelling.
Owner—John Davidson, Oakland Bank of Savings Bldg., Oakland.
Architect—Not given.
Contractor—W. J. McCracken, 1127 Broadway, Oakland.
R 12
Architect not given.

Contract Awarded.
RESIDENCE Cost, $10,000
SANTA CRUZ, Santa Cruz Co., Calif. Mission Street.
Frame and stucco residence.
Owner—Patrick Neary, Santa Cruz, Cal.
Architect—Not given.
Contractor — Hamilton and Church, Santa Cruz, Cal.

Plans Being Figured.
RESIDENCE Cost, $5,500
SAN JOSE, Santa Clara Co., Cal. Naglee Park.
One-story frame and plaster residence (5 rooms and garage).
Owner—Joe Donovan.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Plans Being Figured.
RESIDENCE Cost, $7,000
SAN FRANCISCO, E 20th Ave., 100 N Fulton.
One-story and basement frame and plastered residence (6 rooms).
Owner—C. H. Stengemann.
Architect—O. R. Thayer, 110 Sutter St.
Separate figures are being taken for a general contract, painting, electrical work, hot-air furnace, finish hardware, electrical fixtures and shades.

Contract Awarded.
RESIDENCE Cost, $10,000
SAN FRANCISCO. S. Camino Del Mar 50 E. 30th Ave.
Two-story and basement frame residence.
Owner—Mrs. H. J. Oser, Call Bldg.
Architect—A. Appleton, 1st Natl. Bank Bldg.
Contractor—Hays-Oser Co., Call Bldg.

Sub-figures To Be Taken Monday.
RESIDENCE Cost, $25,000
SAN JOSE, Santa Clara Co.
Two-story frame and plaster, with tile roof residence (12 rooms and garage).
Owner—Mrs. Grace Spencer Hall, San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.

Contracts Awarded.
RESIDENCE Cost, $6000
SAN FRANCISCO. Chestnut between Franklin and Van Ness Ave.
Two-story frame and plaster residence (9 rooms) and garage.
Owner—V. A. Valente.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
General Contractor—Emil Nelson, 715 Fillmore St.
Heating and ventilating to The Atlas Heating and Ventilating Co., 72 Freelon St.
Painting to Otto List, 915 Florida St.
Glass to J. B. Crow, 1055 Post St.
Roofing to P. E. Depaoli, 2448 Polk.

SCHOOLS

Concrete and Plumbing Contracts Awarded. R
STUDENTS' BLDG. Cost, $——
BERKELEY, Alameda Co., Cal. South of Sather Tower.
Four-story and basement reinforced concrete, plaster exterior, students' union bldg.; largest dimension 213 x 133. Irregular.
Owner—University of Calif. Regents, Berkeley.
Architect—John Galen Howard, First Natl. Bank Bldg., San Francisco.
Concrete work to Clinton Construction Co., 140 Townsend St., San Francisco, $80,133.
Plumbing to Turner Co., 272 Minna St., San Francisco, $11,120.
Bids on the balance of the work are still under advisement.

Figures to Be Taken Next Week.
SCHOOL, ETC. Cost, $——
HAYWARD, Alameda Co., Cal.
Two-story reinforced concrete school 10 rooms and an auditorium).
Owner—Hayward Grammar School District.
Architect—Henry C. Smith, Humboldt Bank Bldg.

Contractor Taking Sub-figures.
ACADEMY Cost, $135,000
SAN RAFAEL, Marin Co., Cal.
Three-story brick Academy of Music (auditorium to seat 1000, and classrooms).
Owner—Dominican College of San Rafael.
Architect—M. M. Bruce, Flood Bldg., San Francisco.
Contractor—M. V. Brady, Monadnock Bldg., San Francisco.
Sub-figures are being taken for electrical work, glass, roofing, plastering, painting, finish hardware, etc.
Contracts have been awarded as follows:
Plumbing to Fredk. Snook Co., 596 Clay St., San Francisco.
Heating to F. P. McKeon, 233 Post St., San Francisco.

Figures to Be Called For in a Few Days.
SCHOOL BLDG. Cost, $——
SACRAMENTO. Stanford School.
Two-story concrete and brick school with tile roof.
Owner—Sacramento Board of Education.
Architects —Hemmings-Petersen-Hudnutt, Architectural & Engineering Commission, Library Bldg., 9th and L Sts., Sacramento.

Figures to be Called For in About Ten Days.
SCHOOL Cost, $——
SACRAMENTO, Cal. Highland Park.
Two-story concrete and brick school with tile roof.
Owner—Sacramento Board of Education.
Architects —Hemmings-Petersen-Hudnutt, Architectural & Engineering Commission, Library Bldg., 9th and L Sts., Sacramento.

Contract Awarded.
SCHOOL, ETC. Cost, $13,540
MORGAN HILL, Santa Clara Co., Cal. E. side of Gilroy near Morgan Hill.
Three-room school and alter present structure.
Owner—Board of Trustees of Burnett School District.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—John Gates.

Figures to Be Taken Shortly.
SCHOOL BLDG. Cost, $75,000
LOS ANGELES, Cal. 916 Alpine St.
Two-story reinforced concrete school (10 rooms).
Owner—Los Angeles Board of Education.
Architect—Parker O. Wright, Central Bldg., Los Angeles.

Commissioned to Prepare Plans.
BLDGS., ALTERATIONS Cost, $350,000
CITY OF SANTA MONICA, L. A. Co.
Two new schools and additions and alterations to two existing buildings.
Owner—City of Santa Monica.
Architect—Allison & Allison, Hibernian Bldg., Los Angeles.
Bonds have been voted and sold.

Commissioned to Prepare Plans.
BUILDING Cost, $250,000
CITY OF SANTA MONICA, L. A. Co.
Junior High School.
Owner—Santa Monica High School District.
Architect—Allison & Allison, Hibernian Bldg., Los Angeles.
Bonds have been voted and sold.

Plans Being Figured—Bids Close Nov. 14, 1921, 8 p. m.
SCHOOL BLDG. Cost, $60,000
RICHMOND, Contra Costa Co., Cal. High school site.
Two-story and basement hollow tile Domestic Science Bldg.
Owner—City of Richmond School District. (W. D. Helms, Supt. of Schools, Lincoln School Building, Richmond.)
Architect — Jas. T. Narbett, Easton Bldg., Oakland.
Segregated figures are being taken.

Plans Being Prepared.
TEMPORARY BLDGS. Cost, $20,000
CENTERVILLE, Alameda Co., Cal.
One-story frame gymnasium and commercial arts department buildings (temporary buildings).
Owner—Centerville High School District.
Architect—John J. Donovan, Pacific Bldg., Oakland.

Bids to Be Asked Shortly.
RECONSTRUCTION Cost, $——
CARSON CITY, Nevada.
Reconstruct high school damaged by fire.
Owner—Carson City High School District.
Architect—Geo. Ferris, Reno, Nevada.

Plans Being Prepared.
SCHOOL BLDG. Cost, $——
BERKELEY. College Ave. opp. University Infirmary.
Fireproof school building.
Owner—Pacific School of Religion; Wm. F. Bade, Dean, 2223 Atherton St., Berkeley.
Architect—W. H. Ratcliff, Jr., 1st Nat. Bank Bldg., Berkeley.

Plans Being Figured—Bids Close Nov. 3, 2 p. m.
SCHOOL BLDG. Cost, $——
LOCUST GROVE, Tulare Co., Cal.
Erection of school building.
Owner—Locust Grove School District.
Architect—Harry W. Michael, Harrell Bldg., Visalia, Cal.
See call for bids under official proposal column in this issue.

CHICO, Butte Co., Cal.—Arthur Hudson, Chico, at $11,000, submits low bid to Chico High School District for rough grading of school grounds. Daniel O'Day Co., San Francisco, bid $15,000. F. E. Whitlock, Chico, offered to do the work on a cost plus 10% basis. The bid of Hudson has been retained, the checks of the other two bidders being returned. Woollett & Lamb, Hagelstein Bldg., Sacramento, architects.

SAN FRANCISCO, Robt. Trost, 26th St., and Treat Ave., San Francisco, at $344,822 has been awarded a contract by the Board of Public Works for the general construction of Galileo High School on Van Ness avenue between Bay and Francisco. C. Peterson Co., 730 Larkin St., at $53,788 has been awarded a contract for heating and ventilating; plumbing to Alex Coleman, 706 Ellis St., at $30,078; electric work to Butte Electric Equipment Co., 530 Folsom St., at $21,185. John Reid Jr., City Architect.

LOS ANGELES,—J. F. Kobler, 918 W. 8th St., Los Angeles, was awarded the general contract at $62,308 for erecting a new two-story 10-room brick school building at Breed St. school site. Noerenberg & Johnson, 401 L. A. Railway Bldg., Los Angeles, are the architects. Thos. Haverty Co. was awarded the contract for heating at $3390 and electrical work was let to Renard-Stary Electric Co., at $2082. The bids for plumbing and painting were rejected and the work will be re-advertised.

SAN FRANCISCO—The following sub-contracts have been awarded by G. P. W. Jensen, 320 Market St., San Francisco, who has the general contract for the Crocker Amazon school: Concrete and excavation to Chas. Sartorio; reinforcing steel to W. S. Wententhall Co.; marble work to J. E. Back; tile roofing to United Materials Co.; mill work to National Mill Co.; Finishing flooring to Royal Flooring Co.; painting to Raphael Zelinsky. These contracts have received the approval of the Board of Public Works. John Reid Jr., City Architect.

LOS ANGELES, Cal.—John B. Dawson, Fay Bldg., Los Angeles, was awarded the general contract at $56,-985 for erecting a 2-sto. 10-rm. brick new school bldg. at Santa Barbara Ave. school site at Santa Barbara and Western Aves., Los Angeles. Edw. C. Taylor, 713 W. 8th St., Los Angeles, is the architect. The plumbing was let to H. E. Murray at $4684; heating to J. Hokom at $3295; painting to Alhambra Wall Paper & Paint Co. at $3792; and electrical work to Prewitt Electric Co. at $1760.

LOS ANGELES, Cal.—Until 9 a. m., Nov. 9, bids will be received by the Los Angeles Board of Education for erecting and addition and remodeling the Gates St. school bldg., on Gates St. near N. Bdwy. Plans by archt. dept. of the Board of Education. The present bldg. will be raised and remodeled and a new first story and basement constructed underneath. Six new rooms, lavatories in basement; brick or concr. basement walls, frame constr. Plans may be obtained at the office of the sec., 730 Security Bldg., Los Angeles.

FRESNO, Fresno Co., Cal.—Miller & Wyatt, Fresno, at $16,850, awarded contract by Tielman School Dist. to construct two 2-room school buildings in Hughes and Tielman Aves. Other bidders: Paulsen & Stange, Fresno, $16,900; Cereghino & Son, San Francisco, $21,485; Shorb & Neads, Fresno, $22,000; Squire Cooper, Selma, $25,180; Archie De Mant, Sanger, $17,409. Coates & Traver, 626 Rowell Bldg., Fresno, architects.

BERKELEY, Alameda Co., Cal.—Until Nov. 1, 5 p. m., bids will be received by Clyde E. Blanchard, Acting Secy., Board of Education, 2133 Allston Way, for erecting fire escape on New Garfield school at Rose and Josephine Sts. Cert check 10% payable to Board of Education required with each bid. Plans may be had from secretary or from Architect Wm. C. Hays, 1325 1st Natl. Bank Bldg., San Francisco.

FRESNO, Fresno Co., Cal.—Martin Construction Co., Fresno, at $11,522 awarded contract by Bender School Dist. to construct 2-classroom building. Eight bids received. Next lowest bidders were: Snyder, Simenson and Osen, San Joaquin, $11,640, and Collman and Speidel, San Francisco, $11,953. E. W. Peterson, Cory Bldg., Fresno, architect.

SAN MATEO, San Mateo Co., Cal.—November 12th is the date set in the San Mateo Union High School District to vote bonds of $360,000 of which $60,-000 will be used for purchase of site and $300,000 for building and equipment.

SOUTH PASADENA, Los Angeles Co., Cal.—W. M. Bell, Huntington Park, was awarded a contract at $95,878 for erecting a new auditorium and physical culture buildings at South Pasadena high school. Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles, is the architect. The contract was awarded for reinforced concrete frame, brick filler walls and plaster exterior for auditorium and frame and plaster construction for gymnasium. Other contracts were awarded as follows: Plumbing to South Pasadena Plumbing Co. at $13,421 for both buildings, electrical work for auditorium to Prewitt Electric Co. at $4200 and for gymnasium to Newbery Elec. Co. at $873; painting of auditorium to Swan & Bastien at $2050 and of gymnasium to Wormell & Drawbaugh at $2140; and heating of both buildings to Pacific Gas Rad. Co. at $6,367.88.

LOS ANGELES, Cal.—Until 9 a. m., Nov. 9, bids will be received by the Los Angeles Board of Education for erecting a new school building at 10th St. school site, at 10th and Valencia Sts. Homer W. Glidden, archt. Plans may be obtained at the office of the sec., 730 Security Bldg., Los Angeles. Two-story and basement, 152x91 ft., 12 classrooms, brick constr., plas. exter., tile ornamentation, clay tile rf., reinf. concr. stairways and corridor fls.; cost $96,000.

LOS ANGELES, Cal.—The Los Angeles Board of Education has selected architects to design new school bldgs. as follows: Hudson & Munsell, 13-unit bldg. at 95th St. school site to cost $104,000; Albert C. Martin, 13-unit bldg. at Rodgers Park school site, to cost $104,000; and Train & Williams, an 8-rm. addition to Manchester Ave. school, to cost $64,00 Edgar H. Cline, archt. for the Board of Education, was authorized to prepare plans for a 3-rm. addition to Lomita school site to cost $15,000; and for two additions of 2 rms. each at Pacoima school site to cost $30,000.

SEATTLE, Wash. — Peder Gjarde, Lyon Bldg., has been awarded a contract to erect John Hay School at 4th Ave., North and Boston St., at $70,900. The building will be one-story brick. 197x106 feet, and will contain nine classrooms. F. A. Naramore, City School Architect.

FRESNO, Fresno Co., Cal.—Until Nov. 10, 5 p. m., bids will be received by L. L. Smith, secretary, Board of Education, for constructing 4-room addition to Edison school. Segregated bids will be taken. **See call for bids under official proposal column.**

LOS ANGELES, Cal.—Willard-Brent Co., Baker-Detwiler Bldg., Los Angeles, was low bidder at $52,500 on general contract for Latona Ave. School, at 43rd Ave. and Bernice Ave. Other low bidders were: F. E. Newbery Co. on electrical work at $1,828; G. C. Zelinsky & Son on painting at $1,765; G. C. Sutton on plumbing at $4,515; J. Hokom on steam heating at $4,044 and Potter-Strutz Rad. Corp. on gas heating at $1,502; two stories 5 classrooms, assembly room and lavoratories; brick walls, plaster exterior, clay tile roof, pine trimmings, maple floors. The bids received were:

General Contract

General Contract—Willard-Brent Co., $52,500; K. R. Bradley Cons. Co., $54,-764; Macdonald & Driver, $55,267; John Simpson & Co., $55,600; Robert E. Millsap, $57,600, and J. A. Hill Cons. Co., $64,500.

Elec. Work—F. E. Newbery Co., $1,828; Prewitt Elec. Co., $1,833.

Painting—D. Zelinsky & Sons, $1,765; Arenz-Warren Co., $1,858; Alhambra Wall Paper & Paint Co., $2,413; G. C. Hewitt, $2,465, and R. Zelinsky, $2,680.

Plumbing—G. C. Sutton, $4,515, and Thos. Haverty Co., $5,600.

Heating—J. Hokom, $4,044, Thos. Haverty Co., $4,325; Potter-Strutz Rad. Corp., $1,502; Pac. Gas Rad. Co., $1,530.

CALWA, Fresno Co., Cal.—Charles Christensen Co., 351 Twelfth St., Oakland, at $636, submits low bid to Trustees of Calwa School Dist. for fur. and install. 32-ft. by 12-ft. folding partition in school auditorium. Waterhouse Wilcox Co., 523 Market St., S. F., only other bidder at $1,088. Taken under advisement.

LONG BEACH, Los Angeles Co., Cal.—Floyd Beswick, 3141 Vista St., Long Beach, was awarded contract at $27,965 for a one-story brick school building on Wardlow Rd., Chateau Thierry, Long Beach; Sanitary Plumbing Co., plumbing at $3,100; Marsh Elec. Co., wiring at $695, and Harrison & Goodman the painting at $1,873. W. Horace Austin, 222 First Nat. Bank Bldg., Long Beach, architect.

NAPA, Napa Co., Cal.—The following bids were received on October 26, 1921, by the Board of Trustees of the Napa Grammar School District for the construction of a one and two story reinforced concrete school building to be known as the "John Shearer School." Plans were prepared by architect W. H. Weeks, 369 Pine street, San Francisco. All bids were taken under advisement. The Larsen-Siegrist Company, 805 Claus Spreckels Building, San Francisco, submitted the lowest bid on the general contract.

General Contract

Larsen-Siegrist Co. (1) $140,750; (2) $136,866; (3) $135,166; (4) $131,-166; (5) $4,700; (6) $460; (7) $1,600; Alternate 1, $1,370; (8) $1,100; Alternate 2, $1,100.

R. McLeran Co., S. F. (1), $147,500; (2) $142,900; (3) $[illegible]; (4) $138,000; (5) $——; (6) $150; (7) $2,000; Alternate 1, $1,800; (8) $1,500; Alternate 2, $1,100.

Mahony Bros., S. F. (1), $145,650; (2) $141,742; (3) $138,371; (4) $134,473; (5) $3,900; (6) $475; (7) $1,900; Alternate 1, $1,600; (8) $1,300; Alternate 2, $925.

Rotert Trost, S. F. (1), $147,816; (2) $143,864; (3) $142,400; (4) $137,120; (5) $5,700; (6) $564; Alternate 1, $1,870; (7) $2,100; (8) $1,200; Alternate 2, $1,150.

Heating and Ventilating

Carl T. Doell, Oakland (1), $14,300; Alternate 1, $346; (2) $[illegible]; Prop. 2, $8,465; Alt. 1, $[illegible]; (5) $25; (6) $870.

Scott Co. (1), $14,440; Alt. 1, $800; (2) $20; (3) $884; Prop. 2, $8,[illegible]; Alt. 1, $420; (5) $20; (6) $770.

Luppen & Hawley, Sacramento (1), $15,350; Alt. 1, $780; (2) $——; (3) $849; Prop. 2, $8,100; Alt. 1, $[illegible]; (5) $——; (6) $775.

Program Clocks

International Time Recording Co. $934
(3) $74.35 deduct.

Pacific Electric Clock Co..... $948
(3) $84.00 deduct.

Standard Electric Time Co.....$1,055
(3) $100 deduct.

Vacuum Cleaning System

Frank B. Drew Co. [illegible]

S. F. Compressed Air Co.....$ 969.00

Shades

D. N. & E. Walter Co. (1), $[illegible]; (2) $892.

Linoleum

D. N. & E. Walter Co. [illegible]

SANTA MARIA, Santa Barbara Co., Cal.—Until 8 p. m., Friday, Nov. 13, bids will be received by Trustees of Santa Maria Union High School Dist., Santa Barbara County, for erecting new high school bldgs. at Santa Maria, according to plans and spec. by Archts. Allison & Allison, 1405 Hibernian Bldg., Los Angeles. Bids will be taken on segregated contracts. One and 2-sto. coml. art. dom. science, man. train. depts., study halls, laboratories, 23 classrooms, adm. offices, auditorium to

seat 1,000; gym.; mas. walls, cem. plas. exter., terra cotta trim., clay tile and comp. rf., pine and hdwd. inter., fireproof corridors, telephone sys., etc., $400,000.

LOS ANGELES, Cal.—J. F. Kobler, 918 W. 8th St., Los Angeles, was awarded the general contract at $70,447 for erecting a new two-story brick 10-room school building at Belvedere school site, at Rowan Ave. and First St. Train & Williams, 226 Western Mutual Life Bldg., Los Angeles, are the architects. Other contracts were let as follows: Plumbing to H. E. Murray at $7444; heating to J. Hokom at $3842; painting to A. Quandt & Son at $2911, and electrical work to F. E. Newbery Co. at $2642.

PACIFIC GROVE, Monterey Co., Cal.—Bids received by J. J. Williams, secretary, Pacific Grove High School Dist., for painting exterior of high school in Forest Ave. rejected. What action will be taken regarding the work has not yet been decided.

TRACY, San Joaquin Co., Cal.—The Board of Trustees of the West Side Union High School District in Tracy received the following bids on October 24th for the construction of a one-story reinforced concrete gymnasium building. Plans were prepared by Architect W. H. Weeks, 369 Pine St., San Francisco. All bids were taken under advisement.

General Construction

O. C. Holt, Turlock	$33,451.55
Cobby & Owsley, S. F.	35,645.00
Campbell Construction Co., Sacramento	35,914.00
Hannah Bros., S. F.	36,430.00
West Coast Constr. Co., S. F.	37,732.00
Herndon & Finnigan, Sacto.	37,949.00
Shepherd & Riley, Stockton	39,759.00
Stockholm & Son, S. F.	43,336.00

Electric Wiring

M. E. Ryan, S. F.	$935
Severin Elec. Co., S. F.	940
Campbell Constr. Co.	943

STORES AND OFFICES

Plans to Be Prepared.
FIREPROOF BLDG. Cost, $——
SAN FRANCISCO. O'Farrell St. near Jones.
Fireproof building.
Owner—C. H. Peterson formerly McLeran & Peterson), 180 Jessie St.
Architect—Not selected.

Plans Being Figured.
STORE BLDG. Cost, $15,000
MILL VALLEY, Marin Co., Cal.
One-story reinforced concrete and brick veneer store building 3 stores (composition floors).
Owner—J. Neal.
Architect — Walter C. Falch, Hearst Bldg., San Francisco.
Figures are being taken for a general contract.

Figures to Be Taken First of Next Week.
STORE BLDG. Cost, $15,000
SAN FRANCISCO. O'Farrell near Fillmore.
One-story reinforced concrete store building.
Owner—Leon Lewin.
Architect—S. Lightner Hyman, Foxcroft Bldg., San Francisco.

Contract Awarded.
STORE BLDG. Cost, $10,000
OAKLAND. W College Ave. 35 N Miles Ave.
One-story store bldg. (3 stores).
Owner — Wm. Shore, 902 Lafayette Ave., Alameda.
Contractor—O. M. Bullock, 510 18th St., Oakland.

Contract Awarded.
OFFICE BLDG. Cost, $34,950
SAN FRANCISCO. S Sutter 137-6 E. Montgomery Street.
Two-story concrete store and office building.
Owner—John C. Brickell.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.

Contract Awarded.
OFFICE BLDG. Cost, $7269
Owner—Modesto Chamber of Commerce, Bare Bldg., Modesto, Cal.
Architect—Wieland, Mazurette & Wieland, 1002 "H" St., Modesto, Cal.
Contractor—Bush and Conlee, Modesto, Cal.
Other bidders were: H. W. Sears, $7878; H. W. Rebman, $7720; Hansen & Wood, $7841; Randolph & Ward, $7540; W. H. Stevens & Son, $7697.

Low Bidder.
ADDITION Cost, $——
SAN FRANCISCO. NW Powell and Sutter Streets.
One-story Class A addition to present eight-story office building.
Owner—Morris Meyerfield.
Architects—Meyer & Johnson, Bankers' Investment Bldg., San Francisco.
Barrett & Hilp, 918 Harrison St., submitted the lowest bid. All bids have been wired East for approval.

Plans Being Prepared.
COMMERCIAL BLDG. Cost, $125,000
SAN FRANCISCO. Montgomery St. between Bush and Sutter Sts.
Seven-story and basement reinforced concrete and terra cotta commercial building.
Owner—Name withheld.
Architect—Sam Lightner Hyman, Foxcroft Bldg., San Francisco.

Contract Awarded.
OFFICE BLDG. Cost, $15,912
OAKLAND, Cal. Harrison St.
One-story and mezzanine reinforced concrete office building.
Owner—Lloyd Bros.
Lessee—Cal. State Motor Vehicle License Department.
Architect—C. W. McCall, Central Bank Bldg., Oakland.
Contractor—John M. Bartlett, 351 12th

Plans Being Figured.
STORE BLDG. Cost, $25,000
SAN FRANCISCO. N. Mission 47 W. Ecker.
One-story and basement reinforced concrete store bldg.
Owner—R. J. O'Brien, 110 Sutter St.
Architect — Albert W. Burgren, 110 Sutter St.

NOTE:—Figures are being taken for a general contract, plumbing, plastering and electrical work.

Plans Being Figured.
MARKET BLDG. Cost, $——
SAN FRANCISCO. S. Clement St. 100 W. 10th Ave.
One-story and mezzanine frame and brick veneer market building.
Owner—H. F. Ramocciotti.
Supervising Architect — August G. Headman, Call Bldg.

Segregated Figures Being Taken.
STORE BLDG. Cost, $61,000
BERKELEY, Alameda Co., Cal. Durant and Telegraph Aves.
One-story brick store building.
Owner—Frank J. Woodward.
Architect—M. I. Diggs, Easton Bldg. Oakland.

Segregated Figures Being Taken.
OFFICE BLDG. Cost, $25,000
OAKLAND, Alameda Co., Cal. S 15th St., bet. Franklin and Broadway.
Two-story reinforced concrete store and office building.

Owner—Stuart S. Hawley.
Architect—Maury I. Diggs, Easton Bldg., Oakland.

Plans Being Prepared.
BUILDING Cost, ...
CITY OF LOS ANGELES, Broadway, near 9th St.
Seven-story class 'A" building, 50x150.
Owner—Carleton Burke.
Lessee—Southern California Music Co.
Architect—Milwaukee Building Co., Wright & Callender Bldg., L. A.

Figures To Be Taken Starting Monday.
MARKET, ETC. Cost, $40,000
BERKELEY. NE Shattuck Ave. and Allston Way.
One-story reinforced concrete market and 4 stores.
Owner—Boardman Estate.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

THEATRES

Contract awarded.
THEATRE BLDG. Cost, $——
LOS ANGELES. Vermont Ave. near Slauson.
Two-story Class "B" theatre and 15 stores.
Owner—F. W. Braun.
Architect—H. C. Deckber, 1007 Wright & Callender Bldg., Los Angeles.
Contractor—Al Nelson, 1812 W. 43rd St., Los Angeles.

DAILY PACIFIC BUILDER

The only daily newspaper in the West whose columns are devoted exclusively to Building News. Covers San Francisco and Bay Counties. $1.25 per month, payable in advance. Send for sample copy.

560 MISSION STREET SAN FRANCISCO, CAL.

Official Proposals

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on November 21st,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Mendocino County, between Flynn Creek and Mouth of Navarro River (I-Men-48-C), about twelve (12.0) miles in length, to be graded.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated October 24, 1921.

BIDS WANTED FOR MECHANICAL EQUIPMENT

INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 21, 1921.—SEALED PROPOSALS will be opened in the office of the Superintendent of Construction, U. S. Public Health Service Hospital, Whipple Barracks, Prescott, Arizona, at 1 P. M., November 16, 1921, and in the office of the Supervising Architect, Treasury Department, Washington, D. C., at 3 P. M., November 16, 1921, for the installation complete of the Mechanical Equipment for two Semi-Ambulant Quarters, four double quarters for Officers, one double quarters for first-class Personnel, one quarters for married Attendants, also kitchen equipment and refrigerating apparatus for Ambulant Patients, Mess, etc., refrigerating apparatus for General Mess laundry equipment, new Boilers outside service, etc., at the United States Public Health Service Hospital No. 54, at Whipple Barracks, Prescott, Arizona, in accordance with the drawings and specification, copies of which may be had at this office or at the office of the Superintendent of Construction at Whipple Barracks, Prescott, Arizona, in the discretion of the Supervising Architect, and Bidders may forward their bids to either places. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR BUILDINGS

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Oct. 21, 1921.—SEALED PROPOSALS will be opened in the office of the Superintendent of Construction, U. S. P. H. S. Hospital, at Walla Walla, Washington, at 12 M., November 21st, 1921, or in this office at 3 P. M., Nov. 21st, 1921, for the construction (exclusive of Mechanical Equipment) of 1 Semi-Ambulant Quarters, 1 Ambulant Quarters, and buildings for Boiler House and Laundry, including Stack, for the U. S. Public Health Service Hospital, at Walla Walla, Washington. Proposals may be submitted to either place. Drawings and specifications may be obtained from the Superintendent of Construction, U. S. Public Health Service Hospital, Walla Walla, Washington, J. W. Roberts, Room 403, Post Office, San Francisco, Calif., L. T. Shipley, care of Custodian, Post Office, Tacoma, Wash., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR KITCHEN EQUIPMENT

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 19, 1921. — SEALED PROPOSALS will be opened in this office at 3 p. m., Nov. 15, 1921, for furnishing Kitchen Equipment for the United States Public Health Service Hospital Fort Mackenzie, Sheridan, Wyoming. Specifications may be obtained at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR STERILIZING EQUIPMENT

INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 20, 1921. Sealed proposals will be opened in this office at 3 p. m., November 15, 1921, for furnishing sterilizing equipment for the U. S. P. H. S. Hospital, Fort Mackenzie, Sheridan, Wyoming, in accordance with specifications, copies of which may be obtained at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

CITY HALL RE-ROOFING BIDS WANTED

SEALED PROPOSALS

Notice is hereby given that sealed proposals will be received by the Board of Trustees of the City of Red Bluff **up to Monday evening, November 7, 1921, at 8 o'clock,** for repairing the roof of the City Hall in said city, or for covering the same with a two-ply asbestos built-up roof, and such other roof as the bidder may recommend.

Said bids to be filed with the Clerk of said Board, in the said City Hall, up to the hour mentioned above. Bids to be accompanied with a certified check for ten (10) per cent of the amount of said bid.

The Board reserves the right to reject any and all bids.

Dated: Red Bluff, California, October 22, 1921.

E. F. LENNON,
City Clerk.

BIDS WANTED FOR PLUMBING FIXTURES, RADIATORS, ETC.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Oct. 20, 1921.—SEALED PROPOSALS will be opened in this office at 3 p. m., Nov. 15, 1921, for furnishing Plumbing Fixtures, radiators, etc., for the U. S. P. H. S. Hospital Fort Mackenzie, Sheridan, Wyoming, in accordance with specifications, copies of which may be obtained at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR HOSPITAL

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of Supervisors of Humboldt County, State of California, at the office of the Clerk of said Board, at the Court House in the City of Eureka, said County and State, until **Tuesday, November 15th, 1921, at two o'clock P. M.,** for the construction of a new Tubercular Hospital for Humboldt County.

Plans and specifications for this work are on file in the office of said Clerk, to which all bidders are hereby referred.

Each bid must be accompanied by cash or certified check in at least five per cent of the amount of the bid, as a guarantee of good faith, and the Board reserves the right to reject any or all bids.

FRED M. KAY,
Clerk of the Board of Supervisors of Humboldt County, California.

BIDS WANTED FOR SCHOOL ADDITION

NOTICE TO CONTRACTORS

Pursuant to an order of the Board of Education of the City of Fresno School District, Fresno, California, duly made and entered in its minutes on the 20th day of October, 1921, notice is hereby given that said board will receive **up to 5 o'clock p. m. of November 10th, 1921,** sealed proposals for the furnishing of labor and materials for the construction of a four-room addition to the Edison school in the city of Fresno. Bids will be taken separately for the different segregated contracts, as follows:

Contract No. 1—Excavating, Concrete Work, Carpenter Work, Glass, Hardware, Steel, Galvanized Iron and Blackboards.

Contract No. 2—Brick Work.

Contract No. 3—Tile and Composition Roofing.

Contract No. 4—Plumbing and Steam Heating.

Contract No. 5—Lathing and Plastering.

Contract No. 6—Electric Wiring.

Contract No. 7—Painting.

Plans and specifications on file with the secretary of said board. Copies of same together with form for submitting bid and instructions to bidders may be obtained at the office of Trewhitt-Shields Company, 435 Rowell Building, Fresno, the authorized agent of the said board.

A certified check equal to 10 per cent of total amount of bid must accompany the proposal.

The board reserves the right to reject any or all bids.

By order of the Board of Education.

L. L. SMITH, Secretary.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SAN FRANCISCO.—Until Nov. 21, 11 a. m., bids will be received by U. S. Engineer Office, 240 Montgomery St., for hire and operation of dredging plant for work in the Sacramento and San Joaquin Rivers and tributaries.

MERCED, Merced Co., Cal.—Until Nov. 8, 10 a. m., bids will be received by J. P. Thornton, County Clerk, for constructing three bridges:

Reinf. concr. bridge No. 89 over Jordan-Atwater Canal on Atwater-Winton road in Road Dist. No .3 about 1¼ mi. north of Atwater.

Reinf. concr. bridge No. 98, over Quinto Creek on Gustine-Los Banos road, Sec. 1, in Road Dist. No. 4, about 3½ mi. south of Gustine.

Reinf. concr. bridge (Bridge No. 99) over Parnell Waste Ditch on Gustine-Los Banos road, Sec. 1, in Road Dist. No. 4, about 6½ mi. south of Gustine.

Cert. check 10% payable to county required with each bid. Plans may be had from County Surveyor A. E. Cowell on deposit of $10, returnable.

MERCED, Merced Co., Cal.—Until Nov. 8, 10 a. m., bids will be received by P. J. Thornton, County Clerk, for improving Bear Creek Channel. Cert. check 10% payable to county required with each bid. Spec. on file in office of clerk. A. E. Cowell, County Surveyor.

CALIFORNIA.—L. P. Snook has filed application with the State Reclamation Board to reclaim Abbot Lake, a shallow body of water covering approx. 624 acres of land in Sutter County. A system of low levees will be constructed. About $50,000 will be expended in the work.

SANTA ROSA, Sonoma Co., Cal.—R. E. Noble Co., selected by Supervisors to handle shop, mill and painting inspection for proposed steel bridge over Russian River on Healdsburg-Forestville highway. R. Press Smith, County Surveyor.

SANTA BARBARA, Cal.—Until 10 a. m., Nov. 7, bids will be received by County Supervisors for constructing reinf. concr. reservoir at Santa Barbara general hospital, 3 mi. west of city; plans and spec. on file in office of County Clerk C. A. Hunt. Certified check for 10%.

LOS ANGELES, Cal.—An ordinance of intention to construct reinf. concr. culverts at intersection of Tenth St. with Flower, Figueroa, Georgia and Grattan Sts. adopted by Council. Vrooman Act.

NATIONAL CITY, San Diego Co., Cal.—Engineer Covert of the Water Company has prepared tentative plans for an addition of 20 ft. to the height of Sweetwater dam; est. cost, $500,000.

SUSANVILLE, Lassen Co., Cal.—The movement to bring water from the Little Truckee river through a long system of canals and flumes for the reclamation of approximately 30,000 acres of land in Long Valley, Lassen County, has been renewed and the Chamber of Commerce is co-operating with the land owners to further the project. Preliminary estimates of this project place the cost at $1,900,000, or about $66 per acre, to place water on the land. One of the first details will be to secure title to the water, which has ben dispued by oher interests.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, Clerk, planning construction of wharf west of Clay street dock to accommodate vessels of the U. S. Coast Guard Service. Geo. Mattis, City Engineer.

LOS ANGELES, Cal.—S. M. Kerns, 1076 Cerritos Ave., Long Beach, submitted the lowest bid to County Supervisors Oct. 24 at $36,000 for constructing a reinf. concr. bridge, girder type, consisting of three 54-ft. spans, with piers and abutments on wooden piles, over San Jose Creek on Workman Mills road. Other bids were: Edgar T. Wheeler Co., 402 L. A. Ry. Bldg., Los Angeles, $39,800; Mercereau Bridge & Constr. Co., $40,700; W. M. Ledbetter & Co., $44,888; deWaard & Cobham, San Diego, $44,900; Sharp & Fellows Contr. Co., $47,600. Bids referred to County Road Com. Jones.

BLYTHE, Riverside Co., Cal.—Final survey is being made and bids will be called for soon by Supervisors for constructing the causeway to span the overflow land between the levee and Colorado River. The work will involve several hundred thousand cubic yards of excavation and 800 feet of trestle. Cost, $56,000. A. C. Fulmor, County Engineer.

SACRAMENTO, Cal.—Supervisors petitioned to construct bridge over Arcade Creek in Hagginwood. Drury Butler, County Surveyor.

OAKDALE, Stanislaus Co., Cal.—R. E. Hartley, assistant engineer on the Newlands reclamation project in Nevada, has been apointed superintendent of the Oakdale Irrigation District, effective November 15.

MACHINERY

SACRAMENTO, Cal.—Cass Amacker, Sacramento, at $3725, awarded contract by Supervisors to construct ferry for operation bet. Sacramento and Solano Counties from Ryer to Grand Island near Walker's Landing. Other bidders: Ingersoll & Barry, Stockton, $5127; Nunes Bros., Sacramento, $3750; Colberg Boat Works, Stockton, $3860. Drury Butler, County Surveyor.

WATSONVILLE, Santa Cruz Co., Cal.—Until Nov. 2, 8:15 p. m., bids will be received by T. S. MacQuiddy, Secretary, Watsonville Union High School Dist., for fur. and del. one 5-passenger Ford touring car.

EAGLE ROCK CITY, Los Angeles Co., Cal.—Until 5 p. m., Nov. 7, bids will be received by City Clerk B. B. Martsolf for one steel tank to be erected on foundation to be furnished by city. Cost about $7000.

OAKLAND, Cal.—Until November 3, 12 noon, bids will be received by Eugene K. Sturgis, City Clerk, for furnishing and delivering two roadster type autos for use of the Health Department.

SANTA ANA, Orange Co., Cal.—Until 5 p. m., Nov. 7, bids will be received by City Clerk E. L. Vegely for one 2 or 2½-ton truck for Street Department.

SANTA ROSA, Sonoma Co., Cal.—Purchasing Agent authorized by Supervisors to purchase new 3½-ton White Dump Truck, fully equipped for road work. R. Press Smith, County Surveyor.

SANTA ROSA, Sonoma Co., Cal.—Supervisors sell at public auction 3½-ton motor truck to A. Asbury, of Los Angeles, representing B. M. Levy. Bid accepted, $3,200.

SANTA CRUZ, Santa Cruz Co., Cal.—H. Miller, County Clerk, will sell at public auction Nov. 15 one 3½-ton Fageol auto truck. Lloyd Bowman, County Surveyor.

MONROVIA, Los Angeles Co., Cal.—Petitions for an ornamental lighting system on White Oak Ave. have been filed with the City Trustees.

FIRE EQUIPMENT

SAN FRANCISCO.—Hill-Hubbell & Co., Fife Bldg., San Francisco, have been awarded contracts by the San Francisco Fire Commissioners for painting and cleaning Pumping Station No. 1, $677.55; Station No. 2, $447.61. Frank T. Kennedy, Secretary of Commission.

FRESNO, Fresno Co., Cal.—Board of Public Works has been authorized to secure estimates for proposed central fire alarm system.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, declares intention to improve 76th Ave. from East 14th St. southwesterly by grading, paving with oil macadam, concr. curbs, gutters and sidewalks. Geo. Mattis, City Engineer.

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SAN FRANCISCO—City Engineer . M. O'Shaughnessy completes specications for improving Precita avenue etween Alabama and Folsom streets, stimated cost, $8735. Involves 795 lin. . concrete curbs; 5450 sq. ft. artificial one sidewalks; 22,572 sq. ft. asph. oncrete pavement; 1 brick catchasin and 30 lin. ft. 10-in. culvert.

SACRAMENTO, Cal.—Until Nov. 3, P. M., bids will be received by M. J. esmond, City Clerk, for improving anta Ynez Way from manhole in lace between N street and Folsom oulevard, to a point 148.5 north by onstructing vitrified pipe sewer, 1 oncrete manhole; improving 3-ft. asement along north side of Lots 26 29 incl., in Crescent Park by conructing vitrified pipe sewer with 6-in. vitrified wye branches, 1 6-in. itrified flusher branch, 1 concrete anhole; improving the easement long west side of Lots 20 to 24 of rescent Park, by constructing vitried pipe sewer with 10 6-in. vitrified ye branches, 1 6-in. vitrified flusher ranch.

Separate bids will be received the me date for improving Fifth Avenue om Stockton Boulevard to 65th St., y constructing 1 concrete manhole reconstructing 15 existing manholes, lacing 22 cast iron gutter drains, conecting sewers, grading and paving ith 4-in. asph. concrete. Albert ivan, City Engineer.

SACRAMENTO, Cal.—City Commision, M. J. Desmond, Clerk, declares ntention to improve First avenue, etween 37th St. and Santa Cruz Way y constructing concrete curbs and utters, placing 8 cast iron gutter rains, connecting manholes with 6-in. itrified pipe; 8-in. vitrified sewer ipe, 2 concrete manholes, grading nd paving with 5½-in. asphaltic conrete pavement; 39 street from manole in place in alley between Y and irst Ave. to manhole to be constructd in First Ave., by constructing 6-in. itrified pipe sewer. Albert Givan, City Engineer.

OROVILLE, Butte Co., Cal.—Sacraento to Northern R. R. has agreed to ommence paving its portion of High t. when the work is started by the ity. The railroad's portion of the ost will be about $30,000. S. J. Noris, City Engineer.

CALIFORNIA.—State Highway Comission has decided to route the Orolle-Quincy lateral by the north fork f the Feather River. Estimates made y the commission some time ago for his road placed the cost at $4,000,000 or a 16-ft. road. A narrower road ill probably be constructed.

YUBA CITY, Sutter Co., Cal.—Until ovember 8, 10 A. M., bids will be reeived by Albert W. Brown, County lerk, for furnishing and delivering f. b. care Tudor and Abbott, (S. P. R. .) Trowbridge and Pleasanton Grove W. P. R. R.) and East Nicolaus and leasant Grove (S. N. R. R.) 500 tons ¾-in. by 1½-in. and 100 tons Dx⅝-in rushed rock. Edward von Geldern, ounty Surveyor.

WILLOWS, Glenn Co., Cal. The hamber of Commerce is urging street paving program. A committee as been appointed to sound the sentiment of property owners.

OROVILLE, Butte Co., Cal.—Chico ontracting Co., Waterland-Breslauer ldg., Chico, at $16,000 awarded conract by Supervisors to pave portion of roville and Pentz bonded road from roville bridge westerly one mile Harry H. Hume, County Surveyor.

SEBASTOPOL, Sonoma Co., Cal.—Crummey Construction Co., Hearst Bldg., San Francisco, has been awarded contracts for paving South Main, Bodega, Petaluma and other streets. Bids received follow:

South Main Street

Crummey Con. Co., $23,989.27; Warren Con. Co., $27,451.33; James H. Sayles, $28,341.20; Clark & Henry, $26,363.87; Federal Con. Co., $25,105.71.

Bodega Avenue

Crummey, $9,924.48; Warren, $11,-215.16; Sayles, $11,574.80; Clark & Henry, $10,821.30; Federal, $10,343.02.

Petaluma Avenue and Others

Crummey, $29,271.70; Warren, $33,-352.20; Sayles, $35,545.86; Clark & Henry, $32,105.28; Federal, $30,723.84.

OAKLAND, Cal.—The City Council, Eugene K. Sturgis, Clerk, appproprates $13,311 to finance paving of Municipal Quay between the foot of Grove street and the foot of Market street. Geo. Mattis, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Petitions are being circulated seeking paving of Cleveland avenue, between Van Ness and Walnut Avenue. James K. James, City Engineer.

MADERA, Madera Co., Cal. — Until November 4, bids will be received by Morton H. Tyrrell, Clerk, Madera School District, for constructing sidewalks and curbs at Pershing School. Specifications on file in office of the Clerk at Mareda.

FRESNO, Fresno Co., Cal.—Supervisors petitioned to complete county highway unit from Sanger by way of Centerville and Minkler to Clark's Valley as provided for in the 1919 bond issue. Chris. P. Jensen, County Surveyor.

FRESNO, Fresno Co., Cal. — City Commissioners declare intention to improve San Joaquin St. bet. Broadway and M: Grading, concr. curbs and gutters, 3½-in. asph. concr. base with 1½-in. Warrenite-Bitulithic wearing surface;

Echo Ave. from Belmont to Olive Ave.; Elizabeth and Dudley from Forthcamp to Echo: grading, concr. curbs, gutters and sidewalks, corru. culverts with culvert manholes, 3½-in. asph. concr. base with 1½-in. Warrenite Bitulithic wearing surface;

Thorne Ave. from Belmont to Hedges; Adoline and Arthur Aves. from Olive to Hedges and Vagedes Ave. from Weber to Hedges: grading, concrete curbs, gutters and sidewalks, corru. culverts; 3½- in. asph. concr. base with 1½-in. Warrenite-Bitulithic wearing surface.

M St. bet. Kern and San Diego: grading, concr. curbs and gutters, corru. culverts, 3½-in. asph. concr. base with 1½-in. Warrenite-Bitulithic wearing surface. Imp. Act 1911.

CHICO, Butte Co., Cal.—Until Nov. 1, 8 p. m., bids will be received by Ira R. Morrison, City Clerk, for improving streets in Thirteenth sub-division: Woodland Ave., 5th, 6th, 7th, Cypress, Poplar Sts., etc.; est. cost, $55,000. Project involves: 183,000 sq. ft. 4-in. concr. pavement, 9,000 lin. ft. concr. gutters, 5,000 lin. ft. concr. curbs, and 26,000 sq. ft. cement sidewalks. F. S. Robinson, City Engineer.

SAN DIEGO, Cal.—Notices of intention have been published for paving with asph. concr. 31st St. bet. Myrtle Ave. and Dwight St.; 31st St. bet. Myrtle Ave. and Thorn St. and Welborn St. bet. Middletown Add. and Torrance St. and portions of Sutter, Neale and Torrence Sts.; 1911 Act.

GLENDALE, Cal.—Until 6:30 p. m., Nov. 3, bids will be received by City Clerk A. J. Van Wie for constructing the Business District sewer, a total length of 5806.56, involving 630 ft. 6-in., 270 ft. 8-in., 2706.79 ft. 10-in., 478.84 ft. 12-in., and 1720.93 ft. 15-in. vit. pipe; 9 manholes, 8 ft., 7 septic tanks, 21 cesspools, 4 lampholes, 28 m. h. frame and cover seats, wyes, etc.; work Vrooman Act. 10 yr. bonds.

REDONDO BEACH, Cal.—Until 8 p. m., Nov. 7, bids will be received by City Clerk Harry Polglase for following street work under Vrooman Act: N. Helberta Ave. bet. Irene Ave and El Redondo to be graded and oiled and cem. curb, gutter and sidewalk to be constructed; Lucia Ave. bet. Garnet and Jasper St. to be paved with 3-in. Willite 40 ft. wide and curb to be constructed. Victor H. Staheli, City Engineer.

MODESTO, Stanislaus Co., Cal.—Standard Paving Co., 9th and M Sts., awarded contract by Council to improve James St. from Spencer to Downey, and Downey St. from James to H; grading, $.05 sq. ft.; 2½-in. asph. concr. pavement with 1½-in. bitulithic wearing surface, $.17 sq. ft.; concr. curb, $.70 lin. ft.; concr. gutter, $.20 sq. ft.; headers, $.12 lin. ft.

Standard Co. also awarded contract to improve alley bet. 15th, 16th, F and G Sts., grading, $.05 sq. ft.; 5-in. concr. pavement, $.165 sq. ft.; headers, $.12 lin. ft. Geo. Freitas, City Engineer.

VISALIA, Tulare Co., Cal.—Until Nov. 7, 7:30 p. m., bids will be received by Ida Markham, City Clerk, for paving Acequia St. bet. Bridge and Garden Sts. Cert. check 10% payable to city required. L. H. Gadsby, City Engineer.

BERKELEY, Alameda Co., Cal.—The City Council, E. M. Hann, Clerk, declares intention to construct 6-in. vitrified pipe sewer in portion of San Antonio avenue, including construction of manholes. C. L. Huggins, City Engineer.

SAN FRANCISCO.—C. B. Eaton, 407 11th St., at $2341, awarded contract by Board of Public Works to improve London St. from Excelsior Ave. northerly, involving 2173 sq. ft. art. stone sidewalks, 150 lin. ft. concr. curb and 6000 sq. ft. asph. concr. pavement.

To T. M. Gallagher, 2165 Market St., awarded contract to improve La Grande Ave. bet. Brazil and Peralta, $1995, involving 280 lin. ft. 18-in. and 390 lin. ft. 12-in. sewer with 17 12-in. and 11 18-in. wye branches, 3 brick manholes.

To T. M. Gallagher, $1935, for improving Revere Ave. bet. Silver Ave. and Rankin, involving 615 lin. ft. 12-in. sewer, 24 12-in. wye branches and 3 brick manholes.

To City Construction Co., Call Bldg., $1831, awarded contract to improve Craut St. bet. Maynard and Ney, involving 360 cu. yds. cut, 195 lin. ft. concr. curbs, 2340 sq. ft. asph. concr. pavement. M. M. O'Shaughnessy, City Engineer.

SACRAMENTO, Cal.—City Commission declares intention to improve 37th St. from Y to 4th Ave., by constructing concr. curbs and gutters, 6 concr. manholes, 13 C. I. gutter drains, 8-in. vit. pipe sewer, grading and paving with 5½-in. asph. concr.

Improving alley bet. N, O, 29th and 30th Sts., constructing 1 concr. catchbasin, 1 concr. manhole, concr. curb wall, grading and paving with 5½-in asph. concr. pavement. Albert Givan, City Engineer.

LOS ANGELES, Cal.—Fowler, Myers & Lowry, 345 S. Flower St., were awarded contract at $7947 to construct sewage disposal system at Olive View Sanitarium for county.

FRESNO, Fresno Co., Cal.—Thompson Bros., 1514 H St., awarded contract by Council to improve Poplar Ave. bet. McKinley and Homer: grading, $.03 sq. ft.; oiling, $.02½ sq. ft.; concr. curbs, $.60 lin. ft.; concr. sidewalks, $.22½ sq. ft.

LOS ANGELES, Cal.—E. L. Garretson & Son, 1346 Fairfax Ave., awarded contract at $56,000 for paving with concr. Firey Ave. from Covina Blvd. to Foothill Blvd., about 1 mi., in Road Imp. Dist. No. 172.

OAKDALE, Stanislaus Co., Cal.—Trustees planning to call bids for constructing storm sewer system in downtown section; est. cost, $20,000.

SACRAMENTO, Cal. — McGillivray Construction Co., Capitol Natl. Bank Bldg., awarded contract by City Comm. to improve 5th St. from Q to S, constructing concr. curb wall, concr. curbs and gutters, C. I. gutter drains connecting same to sewer with 6-in. vit. pipe; grading and paving with 6-in. asph. concr.

J. W. Terrell, 1111 29th St., awarded contract to improve Sacramento Blvd. from 9th to 14th Aves. by constructing vit. pipe sewer with 42 6-in. wyes, 7 concr. manholes; 12th Ave. from point 10 ft. west of 37th St. north to a point 680 ft. east of Sacramento Blvd., by constructing vit. pipe sewer with 27 6-in. wyes, 4 concr. manholes; 28th St. from manhole in 12th Ave. 400 ft. north by constructing vit. pipe sewer with 14 6-in. wyes, 1 concr. manhole. Albert Givan, City Engineer.

PHOENIX, Ariz.—Twohy Bros. Co. of Phoenix, awarded contract for improving portions of Washington street, involving 29,137.14 sq. yds paving at $2.92 yd.; 29,293.88 sq. yds grading at 30c yd.; 11,048.24 lin. ft. combined curb and gutter at $1.50 ft. and incidental items.

FILLMORE, Ventura Co., Cal.—Extensive street improvement and ornamental lights for streets in business section of the city are suggested in the annual report of City Clerk Arrasmith. Paving of Central avenue from Santa Clara St. to Ventura St. is said to be the most urgent and the one most likely to be undertaken first.

GRASS VALLEY, Nevada Co., Cal.—City Council inspecting various types of pavement before ordering paving program. The Chamber of Commerce urges immediate action.

SANTA BARBARA, Cal.—An election will be held November 4 in the Montecito District to vote on the formation of a county water works district to construct an independent water system for that section.

TUCSON, Ariz.—City Engineer G. H. Atchley has been instructed by council to prepare plans for paving E. Third street between Stone and Park avenues, specifications to be prepared for different types of pavement.

CLOVIS, Fresno Co., Cal.—The Superior Court has rendered a decision favoring the town of Clovis against Clark & Henery Co., contractors, who were awarded the contract for paving streets at $[illegible] on the grounds that a mistake was made the contractors sought to withdraw the bid which resulted in the matter going to the courts.

MARYSVILLE, Yuba Co., Cal.—Until November 7, 7:30 P. M., bids will be received by Edward B. Stanwood, City Clerk, for constructing approximately 1650 ft. 8-in. sanitary sewer in Eleventh street from Maple to Pine and in Pine street from 11th to 13th. Specifications on file in office of City Clerk. W. M. Meek, City Engineer.

GLENDALE, Los Angeles Co., Cal.—Peter L. Ferry, 614 E. Acacia St., Glendale, awarded contract at $14,359.50 for improving Orange Grove Ave. between Adams and Verdugo Road, a distance of 2099 ft., involving 2099.07 lin ft. grading; 76,850 oil and surface, 4,290 lin. ft. curb, 21,500 sq. ft. walk, 2,200 ft. 4-in. waterpipe (laying). Other bids were: Cornwell & Henderson, $14,652.41. Ducey & Breitenstein, $14,970.59. Fleming Constr. Co., $15,866.57. Continental Constr. Co., $17,342.88.

BERKELEY, Alameda Co., Cal.—City Council, E. M. Hann, Clerk, declares intention to improve Jefferson Ave. from Allston Way to Addison St., and from Addison to University Ave., by constructing combination concrete curbs and gutters, macadamizing and surfacing with oil and rock screenings, concrete valley gutters and catchbasins, 10-in. vitrified pipe sewer. Improvement Act 1911.

Council also declares intention to construct combination concrete curbs and gutters in Ridge Road from Euclid to Highland Place; Le Roy Ave. from Ridge Road north 6 ft. and in Highland Place between north and south line of Ridge Road, 6 ft. concrete valley gutter, concrete curb inlets, scarifying and re-surfacing Ridge Road with oil and rock screenings. C. L. Higgins, City Engineer.

BURBANK, Los Angeles Co., Cal.—Eby & Boone (T. A. Boone, 337 W. 47th Pl.), Los Angeles, were awarded the contract at $35,296.16 for paving 10th St. between Olive St. and east city limits with concrete and constructing corrugated iron culverts.

RENO, Nevada.—Petitions are being circulated asking Council to pave University Ter. and 8th St. from Sierra to Ralston; Vine St. from Riverside Dr. to Southern Pacific right-of-way; Granite St. from Court to California Ave.; Ridge St. from Granite St. to Belmont Rd.; Flint St. from Court to California Ave.; California from Virginia St. to Belmont Rd. Total of 22 blks. and 12 intersections. Harry Chism, City Engineer.

BERKELEY, Alameda Co., Cal.—Hutchinson Co., 444 17th St., Oakland, has been awarded a contract by Council to construct concrete curbs, pave with concrete base with asphalt surface and construct ironstone pipe sewers, 18, 12 and 10-in. in diameter, catchbasins and manholes in portions of Shattuck Avenue.

Hutchinson Co. awarded contract to construct concrete culvert 6 ft. 6 in. by 8 ft. in Strawberry creek across Jefferson avenue, 12-in. vitrified pipe sewere from said culvert south to Allston Way, one concrete catchbasin and manhole.

Oakland Paving Co., 5000 Broadway, Oakland, awarded contract to improve east half of Grant street from Rose street north 80 ft. with concrete curbs, gutters, sidewalks and paving with oil macadam. C. L. Huggins, City Engineer.

WASHINGTON, D. C.—The following bids received by the Bureau of Yards and Docks, Navy Department, under Specification No. 4529, for road work at U. S. raido station, Astoria, Ore.: L. C. Mart, $2,554.15, 30 days; alternate, $1,077.32, 15 days; C. F. Martin, $3,591.20, 60 days; Charles H. Schaar, $3,600, 60 days; Robert H. Travers, $4,127, 50 days; William Jacobson & E. T. Eddison, $2,964, 60 days; John Stott & Co., $3,190, 60 days.

CALIFORNIA.—Until Nov. 21, 2 p. m., bids will be received by State Highway Commission for grading about 12 mi. of highway in Mendocino County bet. Flynn Creek and the mouth of the Navarro River.

See call for bids under official proposal column in this issue.

CALEXICO, Imperial Co., Cal.—Announcement is made that The Colorado River Land Co. contemplates building a stone highway from Mexicali to San Felipe and an 80-ft. canal from Mexicali to La Bomba on the Gulf of California. Application for a concession for these projects was presented to President Obregon of Mexico by H. H. Clark, general manager of the land company, and Harry Chandler of Los Angeles, and assurance obtained that the concessions would be granted. The highway will be operated as a toll road. The old New River channel will be utilized in building the canal.

SAN FRANCISCO—City officials have pledged their support for building a $100,000 stadium across the street from the Polytechnic High School.

SANTA ROSA, Sonoma Co., Cal.—County Surveyor R. Press Smith, preparing surveys and estimates of cost for regrading and repaving Pocket Canyon road.

PASADENA, Los Angeles Co., Cal.—Until 10 a. m., Nov. 2, bids will be received by City Clerk Bessie Chamberlain for constructing vit pipe sewers in Mountain, Loma Vista, Monte Vista, Villa and other streets, involving 29,334.87 ft. 8-in., 2298.1 ft. 14-in., 1402 ft. 16-in., 392.5 ft. 20-in. pipe; 29 flush-tanks and 108 manholes. This is Sec. 2 of the Pasadena Hts. sewer system. E. R. Dewey, City Engineer.

LOS ANGELES, Cal.—S. M. Kerns, 1076 Cerritos Ave., Los Angeles, submitted lowest bid to Supervisors at $81,664.33 for grading, placing disint. gran. base and constructing bridges on 5.77 mi. Harbor Truck Blvd. bet. Compton and Wilmington. Other bids were: Graham Bros. & Bruce, 321 E. Fourth St., Long Beach, $86,954.89; Los Angeles Paving Co., $87,883.35; Francisco & Ellington, $89,207.81; E. Schelling, $90,042.38; Fred Hoffman, $96,914.95; Geo. H. Oswald, $106,378.98; H. E. Cox, $107,146.84; White & Gaskill, $110,802.38; Geo. R. Curtis, $114,472.01; Wells & Bressler, $127,420.53; Rogers Bros. Co., $137,772.17; engineer's est., $90,620.90. Bids taken under advisement.

BERKELEY, Alameda Co., Cal.—Schnoor Bros., at 24.75 cents sq. ft. awarded contract by Council to construct cement sidewalks in Harrison, Gilman and other streets. C. L. Huggins, City Engineer.

FRESNO, Fresno Co., Cal.—The City Council is considering a propositioin from Dr. Herman Janss to permit the use of his ranch for a sewer farm. The city would have to build a concr. pipe line 6 mi. long at a cost of $115,000.

SANTA CRUZ, Santa Cruz Co., Cal.—Supervisors reject bids for improving 3.549 miles of highway between Santa Cruz and Boulder Creek, Contract 7. Following bids received: J. P. Holland, $38,886.04 and $39,929.04; W. E. Miller, $44,204.90 and $44,346.70, and D. McDonald, $49,641.25. Work will be done by county under the supervision of County Surveyor Lloyd Bowman.

SACRAMENTO, Cal.—Until Nov. 16, 10 P. M., bids will be received by M. J. Desmond, City Clerk, for improving alley bet. R. S. 5th and 6th Sts. by constructing 1 conc. catchbasin, connected to sewer with 6-in. vit. pipe; reconstructing 1 conc. manhole, constructing conc. wall, grading and paving with 5½-in. asph. conc.

Bids will be considered on same date for improving alley bet. P. Q. 29th and 30th Sts., constructing 2 conc. catch basins, connected to sewer with 6-in. vit. pipe, reconstructing 1 conc. manhole, grading and paving with 5½-in. asph. conc. Cert. check of 10 per cent. payable to city, required. Albert Givan, City Engineer.

REDWOOD CITY, San Mateo Co., Cal. —Granite Rock Co., Watsonville, $11,619.50, approx. $2,000 more than City Engineer's estimate; only bid received by Trustees for improving Finger Ave. It was rejected and the work will probably be done by private contract. Contract involves 2,058 cu. yds. of excavation; 2,030 lin. ft. of cement concrete curb; 640 lin. ft. of 6-in. vit. tile pipe sewer; 308 lin. ft. of 4-in. vit. tile pipe sewer laterals; 11 6-in. by 4-in. wyes; 3 brick manholes with cast-iron frames and covers; 1 lamphole, with cast-iron cover; 48,055 sq. ft. of asph. macadam pavement. C. L. Dimmitt, City Engineer.

REDWOOD CITY, San Mateo Co., Cal.—W. W. Thompson, Redwood City, at $30,919.55 awarded contract by Trustees for improving streets in Redwood Highlands. Other bidders: Granite Rock Co., Watsonville, $36,750; Hutchinson Co., Oakland, $45,071.50. Work consists of preparing existing macadam pavement for construction thereon of asphaltum oil wearing surface, and the construction of said wearing surface, also includes one culvert of corrugated galvanized iron arches 4 in. by 24 in. with concrete base and top. Approximately 721,000 sq. ft. of pavement. C. L. Dimmitt, City Engineer.

TAFT, Kern Co., Cal.—W. J. Tobin, 527 Santa Ray Ave., Oakland, submitted lowest bid at $11,399 for constructing extensions of city sewer system, city to furnish pipe f. o. b. Taft. Bids taken under advisement. E. M. Lynch, Central Bldg., Los Angeles, engineer. Following are the bids in detail:

W. J. Tobin—(a) 2,035 ft. 15-in. pipe at 68c ft.; (b) 3,280 ft. 12-in. pipe at 60c. ft.; (c) 7,460 ft. 8-in. pipe at 57c. ft.; (d) 15 flush tanks at $125 each, (e) 12 manholes at $96 each; (f) 8 junction chambers at $96 each; total, $11,399.

Gundlach Plumbing Co., Taft—(a) 60c., (b) 55c., (c) 50c; (d) $188, (e) $105, (f) $105; total, $11,675.

Pernel Barnett, Orange—(a) 65c., (b) 58c., (c) 54c., (d) $195, (e) $100, (f) $100; total, $12,178.55.

Miagenovich & Gillespie, Los Angeles —(a) 68c., (b) 68c., (c) 68c., (d) $152, (e) $74, (f) $74; total, $12,447.

Stroud Bros.—(a) 69½c., (b) 69½c., (c) 69½c., (d) $150, (e) $80, (f) $80; total, $12,728.82.

M. & F. Pipe Line Contracting Co.—(a) 85c., (b) 82c., (c) 80c., (d) $189, (e) $120, (f) $120; total, $14,822.35.

Wm. G. Gross—(a) $1.06, (b) $1.04, (c) $1.02, (d) $70, (e) $100, (f) $90; total, $16,147.50.

E. A. Irish, Los Angeles—(a) $1.07, (b) 93c., (c) 83c., (d) $185, (e) $119, (f) $119; total, $16,619.65.

Mike P. Rustuncir—(a) $1.25, (b) $1.50, (c) $1, (d) $200, (e) $100, (f) $100; total, $20,941.25.

E. L. Plantico, Los Angeles—(a) $1.40, (b) $1.35, (c) $1.05, (d) $200, (e) $175, (f) $175; total, $21,610.

Worden-Winner-Jones Co.—(a) $1.94, (b) $1.93, (c) $1.47, (d) $331.12, (e) $224.47, (f) $224.47; total, $30,700.70.

PRESCOTT, Arizona—Bids will be called for within the next two weeks by Yavapai Co. Highway Commission for constructing the Prescott-Ash Fork highway. L. E. Barker, former engineer of Pima Co., has been appointed assistant engineer to the commission.

PORTLAND, Ore.—Chas. E. Lind, Bellingham, Wash., at $198,869 submits low bid to C. H. Purcell, District Engineer, Bureau of Roads, Department of Agriculture, Postoffice Bldg., for constructing McKenzie River road in Cascade and Deschutes National forests, involving 65 acres of clearing, 95,960 cubic yds. of excavation, 1,470 lineal feet of culverts, to be completed in 180 working days.

Bids forwarded to Washington, D. C., with recommendation that contract be awarded.

GLENDALE, Los Angeles Co., Cal.—The following bids were submitted Oct. 20 for furnishing cast iron water pipe f. o. b. Glendale: Amer. C. I. Pipe Co. (Grinnell Co. of Pacific), 150 tons 4-in. class B, $51 ton; 106 tons 6-in. B, 393 tons 8-in. B, 121 tons 8-in. C, 43 tons 10-in. B, and 97 tons 12-in. B, at $48 ton; 30 tons D fittings, $105 ton. Pacific Pipe & Supply Co., $56.93 ton 4-in., $53.93 other sizes, $111.93 fittings; also a price of $35 and $32 ton f. o. b. Birmingham, carrying a water rate of $9.50 ton from Mobile to San Pedro. R. D. Wood & Co., $59 and $55 ton, $111.4 ton fittings. U. S. Cast Iron Pipe Co., $59.50 and $56.90 ton. Keystone Iron Wks., $120 ton fittings. Victory Mfg. Co., San Francisco, a detailed list of fittings at a total of $2985.38.

TUCSON, Ariz.—Corbett Hardware Co. was awarded contract at $22.15 per cwt. for furnishing the city 2500 ft. 2-in. water pipe f. o. b. Tucson.

TAFT, Kern Co., Cal.—Following bids were received by City Trustees for 10,150 ft. 4-in. and 4,220 ft. 6-in. cast iron or standard screw pipe:

Republic Supply Co., San Francisco—4-in. stand. black 56.25c. ft.; 6-in., same, 99.65c. ft.

Pacific Pipe and Supply Co., Los Angeles—4-in. Class C. C. I., 12-ft. lengths, $6,950, and 16-ft. lengths, $70.50 ton; 6-in. Class D, C. I., 12-ft., $66.50, and 16-ft., $66.50 ton; 4-in. W. I. black steel pipe, 48.90c. ft.; 6-in., same, 86.13c. ft.

U. S. Cast Iron Pipe & Fdy. Co.—4-in., 87.3c. ft.; 6-in., $1.39 ft.

Gundlach Co., Taft, $10,427 lump sum.

Bids taken under advisement. E. M. Lynch, Central Bldg., Los Angeles, engineer

BUSINESS OPPORTUNITIES

C. J. Dahl, R. 1, box 133F, Santa Cruz, Cal., is in the market for a well-boring outfit.

Stanley C. Golden & Co., 1864 Railway Exchange, St. Louis, Mo., wishes to obtain accounts to represent San Francisco manufacturers in that market.

E. L. Laythe, Miles City, Mont., is looking for a location for a retail hardware store.

SUBSCRIPTION BLANK

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.....192.....

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560 Mission St., San Francisco, Cal.

Send me Building and Engineering News for one year, commencing with next issue, for which I enclose check for $4.00

Name .....

Street and No. .....

City .....

State .....

O. L. Keil, care Park Hotel, Billings, Mont., is in the market for syrup machinery.

B. R. Montgomery, Riverside, Cal., desires to represent San Francisco manufacturers in a sales capacity in that territory.

STATE WATER COMMISSION

SAN FRANCISCO.—Following applications for permits to appropriate water filed during month of September with State Water Commission, Call Bldg.:

Application No. 2531 — (Siskiyou County). Butte Valley Irrigation District, Macdoel, Cal., 10,000 ac. ft. per annum storage from Butte Lake, Siskiyou County, for irrigation of 32,-260.5 acres. Diversion by means of canal. Estimated cost, $114,500.

Application No. 2533—(Shasta County). Clinton L. Walker, 650 Highland Ave., Oakland, 1600 cu. ft. per sec. from Pitt River, Shasta Counay, for power purposes. Amount of power to be developed 20,000 t.h.p. Diversion by means of tunnel.

Application No. 2534—(Amador County). J. W. Preston, Jr., San Francisco, Cal., 275 cu. ft. per sec. direct diversion and 300,000 ac. ft. storage from North Fork Mokelumne River and Sutter Creek, Amador County, for power purposes. Amount of power to be developed, 19,050 t.h.p. Diversion by means of tunnel 6 miles long.

Application No. 2535 — (Amador County). J. W. Preston, Jr., San Francisco, 275 cu. ft. per sec. direct diversion and 150,000 acre feet storage (per annum) from North Fork Mokelumne River, Amador County, for irrigation of 50,000 acres. Diversion by means of tunnel and canal approximately 6 miles long.

Application No. 2536 — (Amador County). J. W. Preston, Jr., San Francisco, Cal., 275 cu. ft. per sec. from Sutter Creek, Amador County, tributary of Dry Creek, for power purposes. Amount of power to be developed, 18,-400 t.h.p. Diversion by means of canal and pipe line.

Application No. 2538 — Tehama and Butte Counties). J. M. Howells, Belvedere, Cal., 900 cu. ft. per sec. from Mill Creek, Deer Creek and Chico Creek, Tehama and Butte Counties, tributary to Sacramento River, for agricultural and domestic purposes. Diversion by means of ditch 33 miles long.

Application No. 2541—(Trinity County). Edw. H. and Lacie E. Hill, Minersville, Cal., 2 cu. ft. per sec. from East Fork, tributary of Stuarts Fork, Trinity County, for irrigation of 80 acres. Diversion by means of ditch 4 miles long.

Application No. 2543—(Placer County). Henry Worth, Auburn, Cal., 40 cu. ft. per sec. direct diversion and 40,000 acre ft. per annum storage from Shirttail Canyon, Placer County, tributary of North Fork American River, for power purposes. Amount of power to be developed, 800 t.h.p. Diversion by means of ditch 25 miles long.

Application No. 2544—(Placer County). Henry Worth, Auburn, Cal., 40 cu. ft. per sec. direct diversion and 40,000 acre ft. per annum storage from Shirttail Canyon and branches, Placer County, tributary of North Fork American River, for irrigation of 4000 acres. Diversion by means of ditch 25 miles long.

Application No. 2548 — (Amador County). J. W. Preston, Jr., San Francisco, Cal., 400 cu. ft. per sec. from Cole, Bear and Beaver Creeks, Amador County, for power purposes. Amount of power to be developed, 55,000 t.h.p. Diversion by means of canal and pipe line.

Application No. 2551—(Los Angeles County). C. T. Wardlaw, Van Nuys, Los Angeles Co., Cal., 50 cu. ft. per sec. direct diversion and 12,600 acre ft. per annum storage from Pocaima Creek, Los Angeles County, tributary of Los Angeles River, for irrigation of 8000 acres. Diversion by means of pipe line 5 miles long. Estimated cost, $2,000,000.

Application No. 2552—(Los Angeles County). C. T. Wardlaw, Van Nuys, Los Angeles, Cal., 50 cu. ft. per sec. direct diversion and 12,600 acre feet per annum storage from Pocoima Creek, Los Angeles County, tributary of Los Angeles River, for power purposes. Amount of power to be developed, 950 t.h.p. Diversion by means of pressure pipe 350 ft. long. Estimated cost, $1,600,000.

Application No. 2555 — (Amador and Calaveras Counties). Beckman and Linden Engineering Corp., Atlas Bldg., San Francisco, Cal., 250 cu. ft. per sec. direct diversion and 100,000 acre ft. per annum storage from Calaveras and Mokelumne Rivers, Amador and Calaveras Counties, for power purposes. Amount of power to be developed, 8530 t.h.p. Diversion by means of canal and tunnel. Estimated cost, $1,000,000.

Application No. 2556—(Amador and Calaveras Counties). Beckman and Linden Engineering Corporation, Atlas Building, San Francisco, Cal., 2000 ft. per sec. direct diversion, and 200,000 acre ft. per annum storage from Calaveras and Mokelumne Rivers, Amador and Calaveras Counties, for irrigation of 200,000 acres of land. Diversion by means of canal and tunnel 5 miles long.

Application No. 2557—(Shasta County). Eugene C. Mills, Williams, Cal., 150,000 acre ft. per annum from Burney Creek, Shasta County, for irrigation of 30,000 acres. Diversion by means of ditch to be approximately 6 miles long.

Application No. 2568—(Mono County). W. D. McPherson, Trustee for district to be formed, 2000 cu. ft. per sec. direct diversion and 500,000 acre ft. per annum storage from Owens River, tributary of Owens Lake, Mono County, for irrigation of 300,000 acres. Diversion by means of ditch 20 miles long.

Application No. 2569—(Mono County). W. D. McPherson, trustee for district to be formed, 720 cu. ft. per sec. direct diversion and 200,000 acre ft. per annum storage from Ruch Creek, Mono County, for irrigation of 70,000 acres. Diversion by ditch 40 miles long

Application No. 2570—(Mono County). W. D. McPherson, trustee for district to be formed, 600,000 acre ft. per annum storage, from underground and seepage waters of Mono Lake, for irrigation of 300,000 acres. Diversion by means of tunnel 22 miles long.

Application No. 2571—(Mono County). W. D. McPherson, trustee for district to be formed, 2500 cu. ft. per sec. direct diversion and 150,000 acre ft. per annum storage from Lee Vining Creek, Mono Co., for domestic use and irrigation of 40,000 acres of land. Diversion by means of ditch 40 miles long. Estimated cost, $500,000.

The Obsever.

(Continued from Page 4)

The Farmers' Union has entered the lumber business, according to word from Spokane, Wash., opening its first yard at Uniontown, and with plans for opening yards at various points throughout Eastern Washington and Northern Idaho. Operations will be carried on under the name of "United Farmers, Inc., according to A. D. Cross, secretary of the union.

J. L. Field, retired contractor and a resident of Burlingame, died in that city October 20.

Fassio Vincenzo, president of the Mission Concrete Company, left for Asti, Italy, October 20th for a visit to his folks. He will be gone about four months, during which time he will visit the principal cities and particularly look into construction methods in that territory.

Fire of an undetermined origin swept the plant of the Weaver Roofing Company in Los Angeles on October 21, causing a damage estimated at $100,-000. According to officials of the company about three-quarters of the loss is covered by insurance.

"The Volute in Architecture and Architectural Decoration," by Rexford Newcomb, is the latest Bulletin (No. 121) issued by the Engineering Experiment Station of the University of Illinois, Urbana, Ill. Price 40c. "The Thermal Conductivity and Diffusivity of Concrete," by A. P. Carman and R. A. Nelson, is also being distributed by the University. (Bulletin No. 122), Price, 20c.

Creed & Summer have opened up a wholesale lumber business in Pittsburg, Contra Costa County. Offices of the company are located in the First National Bank Building, Pittsburg.

A reduction of $7 a ton in the price of standard rails is announced by the United States Steel Corporation. The new price is $40. A statement by Elbert H. Gary, chairman of the corporation, said: "Present costs of production do not justify this action, but it is hoped and expected reductions in freight rates and otherwise, together with larger operations, will soon have a beneficial effect upon our costs."

Kozo Furukawa, chief electrical engineer of the Japanese government railways, is now in this country inspecting electrical equipment in use by the railroads and union stations.

Representatives of Chambers of Commerce of cities in Monterey, Santa Cruz and San Luis Obispo counties at a meeting in Del Monte urged the state government to start work at once on remaining units of the coast highway from Monterey to San Luis Obispo.

The lumber cut in the United States in 1920 was 33,789,600,000 feet, the Department of Agriculture announces. This is 2.2 per cent less than in 1919, and 27 per cent less than the peak in 1907. The average price of lumber at the mill increased to $38.42 per thousand, which is a rise of 150 per cent since 1910. The aggregate value of the cut is $1,299,000,000, the highest annual valuation ever recorded. The States which increased their cut are all in the Pacific Coast group and the Rocky Mountains. Washington is first, Oregon attains second place for the first time, displacing Louisiana from a position held for fifteen years; while California takes rank among the first five, displacing another southern yellow pine State.

An action filed by the Redwood Manufacturers' company, attacking rates on lumber charged by the Southern Pacific and the Atchison, Topeka & Santa Fe from San Francisco bay and Stockton points to points in southern California, was dismissed by the State Railroad Commission when agreements were reached by contending parties. The new rate from the central California points to Los Angeles and San Gabriel is 35 cents a hundred points, a reduction of between eight and 11 cents. The new rate to Covina, San Dimas and Pomona is 37 cents, a reduction of 10 cents, and to Ontario, Riverside, Colton, San Bernardino and Redlands, 38 cents, a reduction of nine cents.

W. R. Sayre Lumber Company has filed articles of incorporation with the San Francisco County Clerk. Capital stock, $25,000. Directors are: Frederick Sayre, W. R. Sayre and Walter Hood. General Engineering Company, with a capital stock of $100,000, also files papers; directors named are: Geo. A. Armes, John F. Mooney, James H. Young, Harrison A. Jones and Thomas A. Thacher.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the ontracts for this issue:

o.	Owner	Contractor	Amt.
392	Standard	Owner	1000
393	Doyle	Binet	7000
394	Schwaderer	Morrison	950
395	Levi	Barrett	800
396	Brown	Mullen	850
397	Voorman	Donovan	2500
398	Davis	Gilmour	500
399	Sutro	Owner	15000
00	Lofkovitz	Morris	7000
01	Brickell	Monson	34950
02	Robertsen	Moller	600
03	Orth	Wilson	800
04	Meagher	Owner	1400
05	Presidio	Brockhage	6950
06	Same	Curtis	1387
07	Same	Kiesel	470
08	Grahn	Owner	8000
09	Sissions	Salomon	1200
10	Wahren	Crothers	2100
11	Oyen	Owner	4000
12	Sophie	Basen	1000
13	Union Oil	Owner	2000
14	Dixon	Owner	3700
15	Watson	Owner	16000
16	Nelson	Owner	15600
17	Weissbein	Nelson	1500
18	Holm	Wilson	4000
19	Zett	Owner	25000
20	Shanahan	Wagner	500
21	Heglin	Owner	2700
22	Hippely	Owner	2000
23	Jones	Boswell	500
24	Quinn	Quinn	5000
25	Donovan	Owner	4000
26	Hamill	Owner	8000
27	Sanfillipo	Hamil	4000
28	Sanfillippo	Hamill	12000
29	Hamill	Owner	6000
30	Puntney	Owner	3000
31	LaChapelle	———	500
32	Bank of Italy	American	1000
33	Kjellberg	Heden	2000
34	Young	Hantzsche	5600
35	Henderson	Hamill	6500
36	Junior Orpheum	Turner	6780
37	Jr. Orpheum	Knowles	74500
38	Met. Life	Gurnette	8900
39	Sheriff	Adams	797
40	Osborne	Zinkand	9250
41	Berge	Owner	5400
42	McDonald	Merritt	500
43	Western	Olson	5500
44	Mance	Owner	900
45	Pantages	Gordon	2000
46	Pig'n Whistle	Home	3400
47	Horgan	Horgan	2900
48	Van Dyke	Owner	4000
49	Esmol	Moller	1500
50	American	Walker	15000
51	Heyman	Owner	12000
52	Landers	Little	11348
53	Greslat	Mohler	4600
54	Re	Sangiacomo	17950
55	Christensen	Owner	600
56	Makower	Doering	500
57	Collins	Greene	1471
58	Gocks	Sheffield	1000
59	Pac. T. & T.	Gotley	500
60	Dorr	Owner	3000
61	Traut	Stevenson	4450
62	Hollingsworth	Longden	600
63	Hall	Owner	9000
64	Redmond	Fetter	500
65	Phelan	Owner	6500
66	Gilchrist	Owner	500
67	Hogrefe	Owner	60000
68	Silva	Owner	15000
69	Lurmann	Owner	40000
70	Mullane	Holt	10000
71	Hunseth	Owner	7000
72	Brickell	Allen	3000
73	Ewing	Owner	2500
74	Johnson	Owner	8000
75	Wilson	Owner	3000
76	Giannioni	Owner	500
77	Warwick	Warwick	34000
78	Cusack	Cuneo	950
79	Heiss	Hansen	6450
80	Griffin	Stevenson	4450
81	Nelson	Nelson	4500
82	Nelson	Nelson	4500
83	Nelson	Nelson	4500
84	Nelson	Nelson	4500
85	Levine	Denke	1715
86	Excelsior	Scott	8734
87	Excelsior	Scott	23550
88	Excelsior	Connors	3150
89	Beck	Scott	3650
90	Beck	Butte	4128
91	Beck	Petersen	11792
92	Aronson	Ginsberg	4000
93	Aronson	O'Reilly	3397
94	Aronson	Richardson	4593
95	Oser	Hayes	10000
96	United	Owner	4000
97	Granacci	Cassaro	500
98	Anderson	Bickle	600
99	Lacey	Carlson	950
500	Hinkel	Owner	7000
501	Seigler	Cohn	5000
502	Wall	Wall	8000
503	Sheppard	Prout	6178
504	Holm	Wilson	7819

PERMITS

SERVICE STATION
(2392) NW FRONT & SACRAMENTO. One-story steel service station.
Owner—Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Day's work. $1000

FRAME FLATS
(2393) W HOWARD 184 N 19th. Two story and basement frame (2) flats.
Owner—Annie E. Doyle, 382 Capp St., San Francisco.
Architect—None.
Contractor—John J. Binet Co., 68 Ramona Ave., San Francisco. $7000

ALTERATIONS
(2394) N KIRKHAM 57-6 W 11th Ave. Move, alter and repair cottage; concrete foundation, cement floor, etc.
Owner—Carl Schwaderer, 1488 12th Ave., San Francisco.
Architect—None.
Contractor—J. Morrison, 244 Surrey St., and G. Knabenshul, 97 Holloway Ave., San Francisco. $950

REPAIRS
(2395) NO. 111 NEW MONTGOMERY. Repair fire damage.
Owner—H. Levi & Co., Premises.
Architect—None.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $800

ALTERATIONS
(2396) S MARKET 200 W Sixth. Install plate glass front for store, marble work, etc.
Owner—E. J. Brown, 1035 Market St., San Francisco.
Architect—None.
Contractor—Mullen Mfg. Co., 64 Rausch St., San Francisco. $850

ALTERATIONS
(2397) NO. 960 GREEN. General alterations and minor additions to residence.
Owner—Mrs. A. S. Voorman, Premises.
Architect—None.
Contractor—T. J. Donovan, 1477 6th Ave., San Francisco. $2500

ALTERATIONS
(2398) S LOMBARD 100 E Polk. Remove and replace front steps. General repairs for flats.
Owner—Dr. Davis, 1275 Lombard St., San Francisco.
Architect—None.
Contractor—Geo. D. Gilmour, 1953 Howard St., San Francisco. $500

RESIDENCES
(2399) S WOODLAND AVE 26, 52, 78, 104, 130, 156, 182, 208, 234 and 260 E Willard. Ten one-story and basement frame residences.
Owner—H. Sutro, 1199 Stanyan St., San Francisco.
Architect—W. Falch, Hearst Bldg., San Francisco.
Day's work. $4500 each

FLATS
(2400) W. 18TH AVE. 125 S. Anza. Two-story and basement frame (2) flats.
Owner—Harry Lofkovitz, No. 1359 Anza Street.
Architect—None.
Contractor—A. T. Morris, No. 501 11th Avenue. $7000

RECORDED

CONCRETE BLDG.
(2401) S SUTTER 137-6 E Montgomery E. 40 x S 85. Two-story concrete building.
Owner—John C. Brickell, Lick Bldg., San Francisco.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.
Filed Oct. 21, '21. Dated Oct. 18, '21. 5th day of each month.....75%
Usual 35 days.....25%
TOTAL COST, $34,950
Bond, $17,475; sureties, E. V. Lacey and E. T. Osborne; forfeit, none; limit, 90 days. Plans and specifications filed.

ADDITION
(2402) NO. 305 CLAY. Addition of mezzanine floor.
Owner—Robertson & McClutick, Prem.
Architect—None.
Contractor—Moller & Sons, 520 Jessie St., San Francisco. $600

ALTERATIONS
(2403) NO. 3728 GEARY. Extend machine shop 15 feet.
Owner—Bertha M. Orth, Premises.
Architect—None.
Contractor—C. E. Wilson, 186 5th Ave., San Francisco. $800

ADDITION
(2404) NO. 1615 SAN BRUNO AVE. Addition of store room.
Owner—D. C. Meagher, 355 28th St., San Francisco.
Architect—None.
Day's work. $1400

RECORDED

ALTERATIONS
(2405) NO. 8 PRESIDIO TERRACE. Clearing, grading, excavation, concrete, wood, cutting 2 openings, lockers, hat rack, rough and finish hardware, glass, sheet metal, lath and plaster, marble, roofing, patent chimneys, etc., for alterations to Presidio Golf Club.
Owner—Presidio Golf Club, Premises.

Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.
Contractor — Brockhage, Foley & Green, 180 Jessie St., San Francisco
Filed Oct. 22, '21. Dated Oct. 20, '21.
NOTE—Permit also applied for today
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $6950
Bond, $3475. Sureties, Francis O'Reilly and D. O. Duffel. Limit, 50 days. Forfeit, $10. Plans and specifications filed.

(2406) SEWERING, PLUMBING, ETC., on above.
Contractor—Edward C. Curtis, 403 8th St., San Francisco.
Filed Oct. 22, '21. Dated Oct. 20, '21.
Plumbing roughed in.....$520
Completed and accepted..... 520
Usual 35 days.....Balance
TOTAL COST, $1387
Bond, none. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

(2407) PAINTING, CANVASSING, tinting, etc., on above.
Contractor—F. Kiesel, 575 Fulton St., San Francisco.
Filed Oct. 22, '21. Dated Oct. 20, '21.
Work ½ completed.....$170
Completed and accepted.....Balance
TOTAL COST, $170
Bond, none. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

RESIDENCES
(2408) N ARMY 100, 125, 150 and 175 W Hampshire. Four one-story and basement frame residences.
Owner—Wm. H. Grahn, 2840 Bryant St., San Francisco.
Architect—None.
Day's work. $2000 each

REPAIRS
(2409) NO. 1972 UNION. Repair fire damage to roof; tar and gravel for dwelling.
Owner—Mrs. Sissions, 2186 Vallejo St., San Francisco.
Architect—None.
Contractor—L. Salomon, 1130 Ellis St., San Francisco. $1200

STORE
(2410) SW BALBOA AND SEVENteenth Ave. One-story frame store
Owner—J. Wahren, 1601 Balboa St., San Francisco.
Architect—None.
Contractor—F. Crothers, 1426 10th Ave., San Francisco. $2100

RESIDENCE
(2411) S CARMEL 183-10¾ E Cole. One-story and basement frame residence.
Owner—O. M. Oyen, 1049 14th St., S. F.
Architect—None.
Day's work. $4000

ADDITION
(2412) E FOURTH AVE 85 N Irving. Add four rooms to frame apartment house.
Owner—C. G. Sophie, 1280 4th Ave., San Francisco.
Plans by Owner.
Contractor—Basen, 3334 18th St., San Francisco. $1000

SERVICE STATION
(2413) NE FOURTH AND BRANNAN. One-story steel auto service station
Owner — Union Oil Co. of California, 247 Mills Bldg., San Francisco.
Plans by Owner.
Day's work. $2000

UNDERPIN BLDG.
(2414) NO. 138-140 FRONT. Underpin building.
Owner — Emma Dixon, 88 Turk St., San Francisco.
Architect—None.
Day's work. $3700

FRAME FLATS
(2415) W FOURTEENTH AVE 280 & 305 N Anza. Two two-story and basement frame (2 in each) flats.
Owner—G. E. Watson, 1242 6th Ave., San Francisco.
Architect—None.
Day's work. $8000 each

FRAME FLATS
(2416) S GEARY 82-6 and 107-6 E Funston Ave. Two two-story and basement frame (2 in each) flats.
Owner—Emil Nelson, 747 Fillmore St., San Francisco.
Architect—None.
Day's work. $7800 each

SERVICE STATION
(2417) S. GEARY 82-6 W. 12th Ave. One-story frame battery service station.
Owner—J. Weissbein.
Architect—None.
Contractor—Emil Nelson, No. 747 Fillmore St. $1500

DWELLING
(2418) N. HUGO 95 W. 4th Ave. Two-story and basement frame dwelling.
Owner—Hugo Holm, No. 1355 5th Ave.
Architect—Chas. F. Strothoff, No. 2276 15th St.
Contractor—Wilson and Benson, No. 420 Russia Ave. $4000

PUBLIC GARAGE
(2419) N MISSION 326 E 8th. Two-story concrete public garage.
Owner—Geo. J. Zett.
Engineer—J. H. Hjul, No. 850 Monadnock Bldg.
Day's work. $25,000

ALTER, ETC.
(2420) NO. 254 MARKET ST. Alter store front; addition of mezzanine floor.
Owner—W. R. Shanahan, No. 250 Market St.
Architect—None.
Contractor—Daniel R. Wagner, No. 540 Call Bldg. $500

DWELLING
(2421) S. PARK 150 E. Holly Park. One-story and basement frame dwelling.
Owner—Heglin and Errickson, No. 257 Richland Ave.
Architect—None.
Day's work. $2700

DWELLING
(2422) W PARIS 410 NE Excelsior. One-story and basement frame dwelling.
Owner—John L. Hippely, No. 587 London St.
Architect—None.
Day's work. $2000

ALTERATIONS
(2423) NO. 2222 SUTTER ST. Lay T. & G. flooring; new front, etc., for store.
Owner—H. L. Jones, Robbins Hotel, City.
Architect—None.
Contractor—W. C. Boswell, No. 2764 McAllister St. $500

RESIDENCE
(2424) W. 39TH AVE. 310 S. Clement. One-story and basement frame residence.
Owner—A. and B. Quinn, No. 3666 17th Street.
Architect—Ida F. McCain, No. 318 Kearny St.
Contractor—Arthur Quinn, No. 3666 17th St. $5000

FLATS
(2425) E. 3RD AVE. 75 S. Anza. Two-story and basement frame (2) flats.
Owner—Neil Donovan, No. 470 Sanchez Street.
Architect—None.
Day's work. $4000

(2426) W. 7TH AVE. 294 N. Cabrillo. Two-story and basement frame (4) flats.
Owner—Thos. Hamill, No. 707 42nd Ave.
Architect—Milton Morrison, No. 716 41st Ave.
Contractor—Thos. Hamill, No. 707 42nd Ave., City. $8000

RESIDENCE
(2427) .. HIGHLAND 75 W Mission. One-story and basement frame residence.
Owner—Phillippo Sanfillippo, No. 902 Courtland Ave.
Architect—None.
Contractor—Thos. Hamill, No. 707 42nd Ave. $4000

DWELLINGS
(2428) W. MISSION 25-50-75 N. Highland. Three 1-story and basement frame dwellings.
Owner—Phillippo Sanfillippo, No. 902 Courtland Ave.
Architect—None.
Contractor—Thos. Hamill, No. 707 42nd Ave. $4000 ea.

FLATS
(2429) N. ANZA 82-6 E. 5th Ave. Two two-story and basement frame (2) flats.
Owner—Thos. Hamill, No. 707 42nd Ave.
Architect—Milton Morrison, No. 716 41st Ave.
Day's work. $6000

DWELLING
(2430) E. 27TH AVE. 150 N. Clement. One-story and basement frame dwelling.
Owner—Edward M. Puntney, No. 340 Pierce St.
Architect—None.
Day's work. $3000

ALTERATIONS
(2431) E MISSION 200 N Cortland Ave. Re-arrange partitions in basement for store; plate glass fronts, etc.
Owner—Wm. S. LaChapelle, 3459 Mission St., San Francisco.
Architect—None.
Day's work. $500

ALTERATIONS
(2432) SE CLAY AND MONTGOMERY. Extend walls of pent house 12 ft. reset skylight, cement exterior of pent house, repair flashings, etc.
Owner—Bank of Italy, Premises.
Architect—None.
Contractor — American Concrete Co. 785 Market St., San Francisco. $100

ALTERATIONS
(2433) NO. 1609 FRANKLIN. Rearrange attic for three apartments
Owner—Fred Kjellberg, 155 Beaver St. San Francisco.
Architect—None.
Contractor—G. Heden, 224 Laidley St. San Francisco. $200

RESIDENCE
(2434) W THIRTY-THIRD AVE 225 N Geary. Two-story and basemen frame residence.
Owner—Louis Young, 467 32nd Ave. San Francisco.
Contractor—G. M. Hantzsche, 528 31st Ave., San Francisco. $560

RECORDED

RESIDENCE
(2435) E TWENTY-NINTH AVE 250 N Anza N 25xE 120 O L 356. All work for two-story and basement residence.

Owner—Alex. Henderson, 560 29th Ave. San Francisco.
Architect—None.
Contractor—Thos. Hamill, 707 42nd Ave., San Francisco.
Filed Oct. 24, '21. Dated Oct. 24, '21.
Roof boards on $2000
Brown coated 2000
Completed and accepted 1500
Usual 35 days 1000
TOTAL COST, $6500
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.
NOTE: Permit also applied for today

SPRINKLER SYSTEM
(2436) NW GOLDEN GATE AVE AND Taylor. All work for wet sprinkler system of theatre.
Owner—Junior Orpheum, San Francisco by W. S. Dinwiddie, Crocker Bldg., San Francisco.
Architect — G. Albert Lansburgh, 769 Mission St., San Francisco.
Contractor—The Turner Co., 272 Natoma St., San Francisco.
Filed Oct. 24, '21. Dated Oct. 11, '21.
Monthly payments as work progresses of 75%
Usual 35 days 25%
TOTAL COST, $6780
Bond, $3390. Surety, Fidelity & Deposit Co. of Maryland. Limit, Jan. 15, 1922. Forfeit, plans and specifications none.

(2437) METAL FURRING, LATHING and plastering on above.
Contractor — A. Knowles, Call Bldg., San Francisco.
Filed Oct. 24, '21. Dated Oct. 11, '21.
Payments same as above .....
TOTAL COST, $74,500
Bond, $37,250. Surety, Fidelity & Deposit Co. of Maryland. Limit, March 1, 1922. Forfeit, none. Plans and specifications filed.

PAINTING
(2438) NE PINE AND STOCKTON E. 131-6 x N. 275. Painting for building.
Owner—Metropolitan Life Ins. Co., Premises.
Architect—J. R. Miller, Lick Bldg.
Contractor—Gurnette & Chandler, 51 Beaver St.
Dated Oct. 24, '21. Filed Oct. 15, '21.
Within 10 days from 1st of each month 75%
TOTAL COST, $8900
Bond, $4450; surety, American Surety Co.; forfeit, limit, none. Plans and specifications filed.

ALT. AND ADD.
(2439) 730 BOSWORTH ST. Alterations and additions to building.
Owner—Mrs. H. Sheriff, 730 Bosworth Street.
Architect—Not given.
Contractor—W. E. Adams, 132 Lippard Street.
Filed Oct. 24, '21. Dated Oct. 21, '21.
Within 3 days from execution of agreement $300
Within 15 days from execution of agreement 300
On completion 197
TOTAL COST, $797
Bond, sureties, forfeit, limit, none. Plans and specifications, none.
NOTE:—Permit also applied for today.

STORE & FLATS
(2440) NW CLEMENT AND EIGHTH Ave 78 on Eighth Ave and 29-9 on Clement. All work except plumbing, electric wiring, tile work at store fronts, electric fixtures, window shades, finish hardware, paintinf, wall beds, gas heaters, metal bars at low windows for two-story and basement store and flat bldg.
Owner—Erie J. Osborne, Tr. E. M. Robbins and Erie J. Osborne, 1300 Sacramento St., San Francisco.
Architect—Erie J. Osborne, 593 Market St., San Francisco.
Contractor—Ed. Zinkand & Son, 434 10th Ave., San Francisco.
Filed Oct. 24, '21. Dated Oct. 22, '21.
Frame up and roof on $2312
Brown coated 2312
Completed and accepted 2312
Usual 35 days 2314
TOTAL COST, $$9250
Bond, $4625. Sureties, J. H. McCallum and H. W. Gaetjen. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Oct. 6, 1921, No. 2199.

RESIDENCE
(2441) S DORANTES 100 W San Marcus. One and one-half-story and basement frame residence.
Owner—Julius Berge, 1234 30th Ave., San Francisco.
Architect—None.
Day's work. $5400

ALTERATIONS
(2442) NO. 809 FELL. Alter for private garage in residence.
Owner—J. R. McDonald, Premises.
Plans by Contractor.
Contractor —Geo. M. Merritt, 3014 Geary St., San Francisco. $500

ALTERATIONS
(2443) S FOURTEENTH 150 E Folsom. Extend corrugated iron warehouse.
Owner—Western Cooperage Co., 14th & Harrison Sts., San Francisco.
Architect — Richard tum Suden, 3008 Clay St., San Francisco.
Contractor—H. E. Olson, 125 Jersey St., San Francisco. $5500

REPAIR SHOP
(2444) NO. 6145 GEARY (rear). One-story concrete repair shop.
Owner—C. A. Mance, 512 Falcon Ave., San Francisco.
Architect—None.
Day's work. $900

ORGAN CHAMBER
(2445) S MARKET bet. 5th and 6th. Install organ chamber for theatre.
Owner—Pantages Theatre Co., Prem.
Architect—B. Marcus Pretica, Pantages Theatre, San Francisco.
Contractor — John Gordon, Pantages Theatre, San Francisco. $2000

ALTERATIONS
(2446) NO. 130 POST. Reset show windows and two dumb waiters; construct extensions to counters.
Owner—Pig'n Whistle Co., Premises.
Architect — Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—Home Mfg. Co., 543 Brannan St., San Francisco. $3400

DWELLING
(2447) SE PARIS 125 NE Russia. One-story and basement frame dwlg.
Owner—Jane Horgan, 915 Pierce St., San Francisco.
Architect—None.
Contractor—P. Horgan. $2900

ALTERATIONS
(2448) NO. 1458 PAGE. Alterations for private garages in basement; cement floors, etc., other minor changes for apartments.
Owner—B. Van Dyke, Premises.
Architect—W. H. Armitage, 1107 Pierce St., San Francisco.
Day's work. $4000

ALTERATIONS
(2449) W STOCKTON 40 N Broadway. Excavate; underpin foundation walls with brick; (store and lofts).
Owner — A. Esmol, 1317 Stockton St., San Francisco.
Architect—None.
Contractor—Fred Moller, 180 Jessie St., San Francisco. $1500

ALTERATIONS
(2450) SE CALIFORNIA AND MONTgomery Sts. Alter and extend marble banking screen; cut in doorways; ventilating, plumbing, and wiring, etc.
Owner — American National Bank, Premises.
Architect—Geo. W. Kelham, No. 305 Sharon Bldg.
Contractor—P. J. Walker Co., Monadnock Bldg. $15,000

DWELLINGS
(2451) N IRVING 57-6, 86-6, 118-6 and 150-6 W 23rd Ave. Four 1-story and basement frame dwellings.
Owner—Oscar Heyman & Brother, No. 742 Market St.
Architect—Plans by owners.
Day's work. $3000 ea.

RECORDED

FLAT BLDG.
(2452) E 10TH AVE 150 N Anza N 25 xE 120. Two-story frame building (flats).
Owner — Laura M. Landers, 439 9th Ave., San Francisco.
Architect—Not given.
Contractor—John Little, 1035 Lincoln Way.
Filed Oct. 25, '21. Dated Oct. 25, '21.
Frame up $2837
Brown coated 2837
Completed and accepted 2837
Usual 35 days 2837
TOTAL COST, $11,348
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Oct. 21, 1921 No. 2386.

RESIDENCE
(2453) E 33RD AVE 225 N Geary 25x 120. One-story and basement frame residence.
Owner—Henry C. Greslat, 6816 Geary Street.
Architect—Not given.
Contractor—Thomas E. Mohler, 255 8th Ave.
Filed Oct. 25, '21. Dated Oct. 21, '21.
Rough frame up $1150
Brown coated 1150
Accepted 1150
Usual 35 days 1150
TOTAL COST, $4600
Bond, sureties, forfeit, none; limit, 90 days. Plans, specifications, none.

TENEMENT HOUSE
(2454) E DOLORES 30-9 N 15th 25x90. All work except finish hdw., wall paper, light fixtures, electro-steam radiators and window shades for 3-story and basement frame tenement house.
Owner—Guiseppe Re. & Guistina Re., 18 Linda St.
Architect—Italo Zanolini, 604 Montgomery St.
Contractor—G. Sangiacomo, 458-A 9th Ave.
NOTE:—Permit reported Oct. 17, 1921, No. 2319.
Filed Oct. 25, '21. Dated Oct. 19, '21.
Second floor joists on $2000.00
Roof on 2100.00
Brown coated 4616.60
Completed and accepted 4616.60
Usual 35 days 4616.80
TOTAL COST, $17,950
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

ALTERATIONS
(2455) NO. 345 BOSWORTH ST. Rearrange store for flat.
Owner—Jas. Christensen, No. 345 Bosworth St.
Architect—None.
Day's work. $600

GARAGE
(2456) NO. 2095 FULTON ST. One-story frame (private) garage.
Owner—A. Makower, No. 2095 Fulton Street.

Architect—Plans by owner.
Contractor—W. Doering and H. Sholten. $500

ALT. AND ADD.
(2457) NO. 1632 GREAT HIGHWAY. New sun porch and steps; extend kitchen, T. & G. roof, etc., for dwelling.
Owner—Mrs. M. V. Collins.
Architect—None.
Contractor—M. E. Greene, No. 1233 4th Ave. $1471

ALTER., ETC.
(2458) NO. 1031 GOLDEN GATE AVE. Repair front for store and flats; repair floor in store; papering, tinting, etc.
Owner—Caroline Gocks, No. 105 Montgomery St.
Architect—None.
Contractor—W. A. Sheffield, No. 167-A Ashbury St. $1000

RETAINING WALL
(2459) NO. 835 HOWARD ST. Construct reinforced concrete retaining wall.
Owner—The Pacific Telephone & Telegraph Co., No. 835 Howard St.
Architect—Plans by owner.
Contractor—John Gotley. $500

RESIDENCE
(2460) S. MAGELLAN 125 E Cortez. One and one-half-story and basement frame residence.
Owner—O. D. Dorr & Son, care Lang Realty Co., 1st Natl. Bank Bldg.
Architect—Plans by owner.
Day's work. $3000

RESIDENCE
(2461) E MISSOURI 75 N 18th. One-story and basement frame residence.
Owner—Geo. Griffin and May Traut, No. 228 Mississippi St.
Architect—None.
Contractor—L. H. Stevenson, No. 45 Worth St. $4450

DWELLING
(2462) NO. 320 MOULTRIE ST. One-story and basement frame dwelling.
Owner—Frank Hollingsworth, No. 310 Moultrie St.
Architect—None.
Contractor—Geo. F. Langdon, No. 2729 26th St. $600

RESIDENCES
(2463) E SANTA ANA BLVD 82-42-122 S Monterey Blvd. Three 1-story and basement frame residences.
Owner—C. A. Hall, No. 1301 4th Ave.
Architect—None.
Day's work. $3000 ea.

ALT. & REPAIRS
(2464) NO. 256 SUTTER ST. Erect partitions; wall board and other repairs for tea room.
Lessee—Miss Agnes Redmond, No. 156 Carl St.
Architect—None.
Contractor—F. Fetter, No. 301 Guerrero St. $500

FLATS
(2465) E 24TH AVE 150 S Lake. Two-story and basement frame (2) flats.
Owner—P. J. Phelan, No. 844 Anza St.
Architect—None.
Day's work. $6500

ADDITION, ETC.
(2466) NO. 1843 10TH AVE. Addition of one room to residence; new porch and steps.
Owner—A. Gileust, No. 1843 10th Ave.
Architect—None.
Day's work. $500

APARTMENTS
(2467) W POWELL 87 N Bush. Five-story and basement Class "B" (19) apartments.
Owner — Herman Hogrefe, No. 345 Leavenworth St.
Architect—Edward E. Young, No. 251 Kearny St.
Day's work. $60,000

FLATS
(2468) W 21ST AVE 100 N Fulton. Two-story and basement frame (2) flats.
Owner—A. J. Silva, No. 504 Gough St.
Architect—Henry C. Smith, No. 785 Market St.
Day's work. $15,000

APARTMENTS
(2469) S UNION 81-6 and 109-6 W Leavenworth. Two 3-story and basement frame (6 in each) apartments.
Owner—M. G. Lurmann, care Architect.
Architect—Albert Schroepfer, Nevada Bank Bldg.
Day's work. $20,000 ea.

FLATS
(2470) NE GEARY & 23RD AVE. Two-story and basement frame (4) flats.
Owner—John F. Mullane, No. 155 29th Street.
Architect—C. O. Clausen, Hearst Bldg.
Contractor—O. Holt, No. 3877 26th St. $10,000

FLATS
(2471) E FRANKLIN 108-2 S Filbert. Two-story and basement frame (2) flats.
Owner—George Hunseth, No. 4515 19th Street.
Architect—Plans by owner.
Day's work. $7000

ALTER. & ADD.
(2472) NO. 170 SUTTER ST. Erect metal marquise; lower floor; partitions; electric and plumbing work for offices.
Owner—Brickell Estate, care Architect.
Architect—Earle B. Bertz, No. 68 Post Street.
Contractor—Allen & Co., No. 168 Sutter St. $3000

RESIDENCE
(2473) N ALVARADO 70 W Douglas. One-story and basement frame residence.
Owner—Fred Ewing, Premises.
Architect — Norman R. Coulter, No. 46 Kearny St.
Day's work. $2500

FLATS
(2474) W 14TH AVE 274 N Cabrillo. Two-story and basement frame (2) flats.
Owner—Nels P. Johnson, No. 1934 Folsom St.
Architect—None.
Day's work. $8000

FLATS
(2475) NE 5TH AVE & CALIFORnia. Two-story and basement frame (2) flats.
Owner—Chas. E. Wilson, No. 186 5th Ave.
Architect—None.
Day's work. $3000

ALTERATIONS
(2476) NO. 1287 PACIFIC AVE. Rearrange flat for store and extend building to sidewalk line.
Owner—D. Giannioni, No. 3028 Webster Street.
Architect—None.
Day's work. $500

APARTMENTS
(2477) S PINE 100 W Hyde. Three-story and basement frame (12) apartments.
Owner—M. D. Warwick, 3191 Washington St.
Architect—Chas. Skidmore, New Call Bldg.
Contractor—H. C. Warwick, 3191 Washington St. $34,000

SHEDS, ETC.
(2478) NE SAN JOSE AVE & 30TH ST. Erect sheds for garages; concrete foundations, floors, etc.
Owner—Peter Cusack, No. 795 San Jose Ave., City.
Architect—None.
Contractor—John P. Cuneo, No. 5079 Mission St., City. $950

RECORDED

DWELLING
(2479) LOT 15 BLK 3135, Westwood Park. One-story and basement frame dwelling.
Owner—Harold L. and Clara Heiss, 1321 Jackson St.
Architect—Ida F. McCain, 318 Kearny Street.
Contractor—Walter E. Hanson, 2235 Market St.
Filed Oct. 26, '21. Dated Oct. 18, '21.
Enclosed $1616.50
Brown coated 1616.50
Completed and accepted..... 1616.50
Usual 35 days 1616.50
TOTAL COST, $6450
Bond, $3225; sureties, Allen Narden and H. J. Hansen; forfeit, none; limit, 90 days. Plans and specifications filed.

FRAME BLDG.
(2480) E MISSOURI 75 N 18th 25x100. One and one-half-story frame building.
Owner—Geo. Griffin.
Architect—Not given.
Contractor—L. F. Stevenson, 45 Worth Street.
Dated Oct. 26, '21. Filed Oct. 25, '21.
Frame up $1150
Brown coated 1100
Completed 1100
Usual 35 days 1100
TOTAL COST, $4450
Bond, sureties, forfeit, none; limit, 90 days after Nov. 1, 1921. Plans and specifications filed.

RESIDENCE
(2481) PTN LOTS 10 & 11 BLK 3138 Westwood Park. One-story frame residence.
Owner—Hans & Esther E. Nelson, 1375 Plymouth Ave.
Architect—Chas. F. Strothoff, 2274 15th Street.
Contractor — Nelson Brothers, 1375 Plymouth.
Filed Oct. 26, '21. Dated Oct. 7, '21.
Enclosed $1125
Brown coated 1125
Completed and accepted..... 1125
Usual 35 days 1125
TOTAL COST, $4500
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

RESIDENCE
(2482) PTN LOTS 11-12 BLK 3138, Westwood Park. One-story frame residence.
Owner—Hans & Esther E. Nelson, 1375 Plymouth Ave.
Architect—Chas. F. Strothoff, 2274 15th Street.
Contractor — Nelson Brothers, 1375 Plymouth.
Filed Oct. 26, '21. Dated Oct. 7, '21.
Enclosed $1125
Brown coated 1125
Completed and accepted..... 1125
Usual 35 days 1125
TOTAL COST, $4500
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

RESIDENCE
(2483) LOT 8 & PTN LOT 9 BLK 3138, Westwood Park. One-story frame residence.
Owner—Hans & Esther E. Nelson, 1375 Plymouth Ave.
Architect—Chas. F. Strothoff, 2274 15th Street.
Contractor — Nelson Brothers, 1375 Plymouth.
Filed Oct. 26, '21. Dated Oct. 7, '21.
Enclosed $1125
Brown coated 1125
Completed and accepted..... 1125
Usual 35 days 1125
TOTAL COST, $4500
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

RESIDENCE
(2484) PTN LOTS 9 & 10 BLK 3138, Westwood Park. One-story frame residence.
Owner—Hans & Esther E. Nelson, 1375 Plymouth Ave.
Architect—Chas. F. Strothoff, 2274 15th Street.
Contractor — Nelson Brothers, 1375 Plymouth.
Filed Oct. 26, '21. Dated Oct. 7, '21.
Enclosed $1125
Brown coated 1125
Completed and accepted..... 1125
Usual 35 days 1125
TOTAL COST, $4500
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

ALTERATIONS, ETC.
(2485) 834-38 JONES ST. Alterations in basement of building.
Owner—Joe and Ray Levine.
Architect—E. H. Denke, 1317 Hyde St.
Contractor—E. H. Denke, 1317 Hyde Street.
Filed Oct. 26, '21. Dated Oct. 21, '21.
Grading and cem. work done..$428.75
Plastering completed 428.75
Completed and accepted 428.75
Usual 35 days 428.75
TOTAL COST, $1715
Bond, sureties, forfeit, none; limit, 30 days. Plans and specifications filed.

PLUMBING, ETC.
(2486) SE MISSION 150 SW Brazil Ave SW 150 SE 183-6 NE 125 NW 100 NE 25 NW 83-6. Plumbing heating and ventilating for theatre building.
Owner—The Excelsior Amusement Co.
Architect—G. Albert Lansburgh, 709 Mission St.
Contractor—Scott Co., 243 Minna St.
Filed Oct. 26, '21. Dated Oct. 6, '21.
Plumbing—
Roughed in $1136
Completed and accepted..... 1136
Usual 35 days 1137
TOTAL COST, $3409
Heating and Ventilating—
Roughing in done.....$1775
Completed and accepted..... 1775
Usual 35 days..... 1775
TOTAL COST, $5325
Bond, sureties, forfeit, none; limit, without delay. Plans and specifications filed.

CONCRETE WORK ON ABOVE
(2487) CONCRETE WORK ON ABOVE
Contractor—Wm. S. Scott Co., 180 Jessie St.
Filed Oct. 26, '21. Dated Oct. 3, '21.
Work completed up to mezzanine floor $5887
Completed up to theatre roof... 5887
Completed and accepted..... 5887
Usual 35 days 5889
TOTAL COST, $23550
Bond, $11,775; sureties, C. E. Hubacher and M. W. Griffin; forfeit, nine; limit, 60 days. Plans and specifications filed.

(2488) REINFORCING STEEL AND METAL MESH ON ABOVE.
Contractor—Chas. G. Connors.
Filed Oct. 26, '21. Dated Oct. 3, '21.
On delivery of steel, etc.....$787
One-half work in place..... 787
Completed and accepted..... 787
Usual 35 days 289
TOTAL COST, $3150
Bond, $1505; sureties, Elizabeth Connors, W. S. Witenhall; forfeit, none; limit, as fast as possible. Plans and specifications filed.

STEAM HEATING, ETC.
(2489) E. POWELL 68-6 N BUSH N 69 x E 67. Steam heating, piping radiators, etc., for a 6-story and basement Class C building.
Owner—Edward Beck, 281 Lee Ave., Oakland.
Architect—M. V. Politeo, 1st Natl. Bank Bldg.
Contractor—Scott Co., 243 Minna.
Filed Oct. 26, '21. Dated Oct. 17, '21.
1st and 15th of each month.....75%
Usual 35 days 25%
TOTAL COST, $3650
Bond, $1825; surety, New Amsterdam Casualty Co.; forfeit, $25 day; limit, 5 days. Plans and specifications filed.

(2490) ELECTRIC WIRING, SWITCHES, TELEPHONES, ETC., FOR SAME.
Contractor—Butte Electric & Equipment Co., 530 Folsom St.
Filed Oct. 26, '21. Dated Oct. 24, '21.
1st and 15th of each month.....75%
Usual 35 days 25%
TOTAL COST, $4128.50
Bond, $2064.25; surety, New Amsterdam Casualty Co.; forfeit, $25 day; limit, 50 days. Plans and specifications filed.

(2491) PLUMBING, GAS FITTING, ETC., ON ABOVE.
Contractor—C. Petersen Co., 730 Larkin Street.
Filed Oct. 26, '21. Dated Oct. 22, '21.
1st and 15th of each month.....75%
Usual 35 days 25%
TOTAL COST, $11792
Bond, $5896; surety, New Amsterdam Casualty Co.; forfeit, $25 day; limit, 65 days. Plans and specifications filed.

TILE WORK, ETC.
(2492) NE MONTGOMERY & MISSION Sts. Tile work for bldg. (interior work).
Owner—A. Aronson, Louis Metzger and Louis Schoenberg.
Architect—Mel. I. Schwartz, Nevada Bank Bldg.
Contractor—Ginsberg Tile Co., 1205 Sutter St.
Filed Oct. 26, '21. Dated Oct. 7, '21.
Work 50% completed $1500
Completed and accepted..... 1500
Usual 35 days 1000
TOTAL COST, $4000
Bond, sureties, forfeit, none; limit, 30 days. Plans and specifications, none.

(2493) EXTERIOR PLASTERING ON ABOVE.
Contractor—Francis O'Reilly, 180 Jessie St.
Filed Oct. 26, '21. Dated Oct. 20, '21.
50% completed $1273.87
Completed 1273.88
Usual 35 days 849.25
TOTAL COST, $3397
Bond, sureties, forfeit, none; limit, 30 days. Plans and specifications, none.

(2494) TILE MAIN LIGHT COURT (EXTERIOR WORK) ON ABOVE.
Contractor—Erl. Richardson, 506 9th Street.
Filed Oct. 26, '21. Dated Oct. 8, '21.
Work one-third completed..$1147.50
Work two-thirds completed.. 1147.50
Completed 1148.00
Usual 35 days 1150.00
TOTAL COST, $4593
Bond, sureties, forfeit, none; limit, 30 days. Plans and specifications, none.

RESIDENCE
(2495) S CAMINO DEL MAR 50 E 30th Ave. Two-story and basement frame residence.
Owner—Mrs. H. J. Oser, Call Bldg.
Architect—A. Appleton, 1st Natl. Bank Bldg.
Contractor—Hayes-Oser Co., Call Bldg. $10,000

ALTERATIONS
(2496) NO. 24 CALIFORNIA ST. Ratproofing and lay Hoffite floor in restaurant; build ice boxes; partitions and install patent chimney.
Owner—United Service Corp., 218 Hobart Bldg.
Architect—Schack & Myers, Seattle, Wash.
Day's work. $4000

ALTERATIONS, ETC.
(2497) NO. 2011 MISSION ST. Alter store front; new show windows, etc.
Owner—Frank Granucci, No. 36 Park Street.
Architect—None.
Contractor—P. Cassaro, No. 830 Felton St. $500

ALTERATIONS, ETC.
(2498) N MARKET 100 W Brady. Enlarge office; salesroom for garage.
Owner—Anderson & Smith, Golden Gate Ave. and Larkin St.
Architect—None.
Contractor—Bickle & Dilks, No. 245 Downey St. $600

ALTERATIONS
(2499) NO. 3245 SIXTEENTH ST. Rearrange front of dance hall for store; construct stairs.
Owner—E. V. Lacey, No. 180 Jessie St.
Architect—None.
Contractor—O. E. Carlson, No. 180 Jessie St. $950

FLATS
(2500) W 20TH AVE 125 S Anza. Two-story and basement frame (2) flats.
Owner—Ben Hinkel, No. 1220 Castro St.
Architect—None.
Day's work. $7000

ALTERATIONS
(2501) S BUSH 167 E Larkin. Remove and rearrange partitions; install elevator; heating system; rewiring; repainting; fire escapes for apartments.
Owner—H. M. Seigler, No. 110 Sutter Street.
Architect—S. Heiman, No. 57 Post St.
Contractor—Cohn & Nordstrom, No. 110 Sutter St. $5000

FLATS
(2502) E-28TH AVE 90 S Balboa. Two-story and basement frame (3) flats.
Owner—G. W. Wall, No. 6219 California St.
Architect—A. M. Hardy, No. 6217 California St.
Contractor—G. W. Wall, No. 6219 California St. $8000

RECORDED

(2503) LOT 5 BLK 6, FOREST HILL. All work except roofing, wall paper, shades and electric fixtures for a two-story frame residence and one-story garage.
Owner—Chas. W. Sheppard and Bessie M. Sheppard, 1372 Green St.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco.
Filed Oct. 27, '21. Dated Oct. 26, '21.
Frame up $1158.25
Brown coated inside..... 1158.25
Plaster complted. and trim on. 1158.50
Completed and accepted..... 1158.50
Usual 35 days 1544.50
TOTAL COST, $6178.50
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

(2504) N HUGO 95 W 4th Ave. W 25 x N 100. Two-story and basement frame residence.
Owner—Hugo Holm, 1355 5th Ave.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Wilson & Benson, 420 Russia Ave., San Francisco.
Filed Oct. 27, '21. Dated Oct. 22, '21.
Frame up and roof on.....$1954.75
White coast plaster on int. and 2nd coat on exterior.. 1954.75
Completed and accepted..... 1954.75
Usual 35 days 1954.75
TOTAL COST, $7819
Bond $3909.50; sureties, Edwin Peterson and Chas. Monson; forfeit, none; limit, 90 days after Oct. 24. Plans and specifications filed.
NOTE:—Permit reported Oct. 25, 1921, No. 2418.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded **Accepted**
Oct. 27, 1921—E 21ST AV 166-8 N Ulloa N 33-4 x 120. Parkside Realty Co. of San Francisco to whom it may concern .....Oct. 27, 1921
Oct. 27, 1921—NE SCOTT & ELM Ave. E 32-6 x N 40. Max Strauss to whom it may concern..Oct. 27, 1921
Oct. 26, 1921—E BELVEDERE 127-9⅜ S 17th S 25-0⅞ x E 100. Axel A. Johnson to whom it may concern .....Oct. 26, 1921
Oct. 25, 1921—E WEBSTER 25-4¼ N Eddy N 49-8⅝ E 80-1⅛ NE 7-7⅝ N 39-11⅛ E 96-6 S 120 W 52-2⅜ N 70 W 42-4¼ SW 9 -10¾ S 37-7¾ W 83-10⅜. F W Leis to Jos Pasqualetti (as American Concrete Co) .....Oct. 25, 1921
Oct. 25, 1921—N TURK 108-1 — E 29-2xN 80-6. Louis D Stoff to whom it may concern..Oct. 20, 1921
Oct. 25, 1921—E THIRTY-SECOND Ave 175 N Geary 25x120. Herman Budan to whom it may concern... .....Oct. 25, 1921
Oct. 24, 1921—W MONTGOMERY 68 S Bush. Howard F Adler to MacDonald & Kahn.....Oct. 24, 1921
Oct. 24, 1921—NW BALBOA AND 21st Ave W 32-6xN 100. Andrew V Anderson to whom it may concern.....Oct. 24, 1921
Oct. 22, 1921—S BRANNAN — W 8th (St. George Winery). The Western Pacific Railroad Co to A J Silva, Oct. 15; James S Fennell, R A Chisholm and James E Fennell (as Fennell & Chisholm)....Oct. 15, 1921
Oct. 22, 1921—W FRANKLIN 60 S Green S 30xW 110-4. Robt Knighton to W M Rednall.....Oct. 22, 1921
Oct. 21, 1921—LOT 25x95 on SW San Bruno and Bacon. Minnie W and John W McGaha.....Oct. 21, 1921
Oct. 21, 1921—W WESTWOOD DR., distant N 30 from N line lot 6 blk 3174 S 45; th. N 84° 09' 46" W 95 to pt. on W line lot 6 N 42.836; th. 85° 28' 06" E 95, ptn lots 5 and 6 blk 3174, Westwood Park. Joseph L. and Alice H. Lawrence to Walter E. Hansen.....Oct. 19, 1921
Oct. 21, 1921—E FUNSTON AVE 200 S Lake S 25xE 120. John J Kingwell to whom it may concern.....Oct. 21, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded **Amount**
Oct. 27, 1921—E BENNINGTON 50 S Eugenia Ave. S 25 x E 70. Jas. M. Bailey vs Quida E. Morav....$202.50

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded **Amount**
Oct. 26, 1921—E SCOTT 63 N FELL. N 37-6 x 100. J. Blackman, Samuel Grunback vs. Maud Warwick and Harry C. Warwick..... $——

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Oct. 22, 1921—W FOURTH AVE 275 N Geary N 50xW 120. Northern California Baptist Convention as to improvements on property.....

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
3672	Rochester	Long	8000
3673	Paul	Owner	2500
3674	Hyde	Long	4800
3675	Same	Same	4800
3676	Fraser	Carson	5000
3677	Hillen	Owner	4900
3678	Klung	Schnebly	498
3679	Mueller	Owner	1000
3680	Jackson	McPhee	2500
3681	Raumonde	Wessel	1800
3682	Nagel	Anderson	3000
3683	Thurber	Owner	2000
3684	Hinch	Healy	3000
3685	Barnard	Gray	3000
3686	Anderson	Anderson	4500
3687	Sherman	Owner	2000
3688	Hinch	Owner	3000
3689	Goodmundson	Owner	500
3690	Goodmundson	Owner	500
3691	Hillis	Hewitt	5000
3692	Lerokointz	Sommarstrom	33500
3693	Meda	Garello	500
3694	Bettencourt	Owner	1000
3695	Dowling	Furlong	400
3696	Waters	Rutherford	2000
3697	Abdy	Hansen	400
3698	Stewart	Owner	3850
3699	Jerome	Fullerton	1000
3700	Frost	Owner	2000
3701	Warham	Allen	900
3702	Salsman	Lucas	36427
2703	Guldner	Owner	2000
3704	Anills	Hansson	400
3705	Badger	Owner	5000
3706	Laisi	Owner	2500
3707	Killet	Estey	400
3708	Hillston	Owner	2000
3709	Kruger	Rose	640
3710	Cook	White	800
3711	Haynie	Marshall	16000
3712	Fish	Woodward	400
3712	Alt	Owner	5000
3714	Barker	Rose	433
3715	Reilley	Johnson	400
3716	Oakland Lbr.	Fernandes	400
3717	Israel	Lepley	400
3718	McCabe	Graff	8500
3719	Warner	Owner	500
3720	Sisters	Owner	1000
3721	Fish	Wiser	4000
3722	Hardman	Owner	5000
3723	Standard	Owner	4000
3724	Overfield	Nelson	5000
3725	Sellers	Thaxter	1000
3726	Angwin	Schwart	5000
3727	Button	Owner	4850
3728	Scammell	Owner	4200
3729	Johnson	Owner	4000
3730	Kerr	Owner	2500
3731	Owen	Owner	1200
3732	Shore	.. Bullock	10000
3733	Gladding	Anderson	1900
3734	Monroe	Owner	1200
3735	Niel	Owner	500
3736	Farr	Woolley	1050
3737	Lawton	Skaggs	2000
3738	Vallerga	Higgins	2825
3739	Greuna	Owner	5000
3840	U of C	Carlin	8795
3741	Lloyd	Bartlett	15912
3742	Hufschmidt	Charleston	2750
3743	Newsom	Owner	3800
3744	Bkly. Bldg.	Owner	3000
3745	Baker	Ross	500
3746	Raun	Owner	2000
3747	Waterberry	Nelson	400
3748	Barton	Owner	1500
3749	Dille	Muller	15900
3750	Mitchell	Muller	21000
3751	Pistoresi	Morgan	2990
3752	Hillen	Owner	3500
3753	Roth	Owner	8300
3754	Okld. Cremation	Andresen	2422
3755	Bristol	Smith	1900
3756	Brazier	Owner	2500
3757	Cavalli	Ahnefeld	1125
3758	Mills	Owner	2400
3759	Maderos	Silva	2500
3760	Peterson	Hopper	1000
3761	Rose	Almquist	3800
3762	Davidson	McCracken	10000
3763	Clark	Peters	4500
3764	Langtry	Langtry	1200
3765	City of Okd	Oakland	1800
3766	Morse	Burks	8000
3767	Williams	Owner,	3000
3768	Budge	Orton	450
3769	Sullivan	Cox	18240

PERMITS

DWELLING
(3672) S BROOKSIDE AVE 80 E Claremont, Berkeley. Two-story seven-room dwelling.
Owner—C. A. Rochester.
Architect — James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Roy O. Long Co., 2114 Shattuck Ave., Berkeley. $8000

DWELLING
(3673) N BANCROFT 50 E Byron, Berkeley. One-story 5-room dwlg
Owner—B. M. Paul, 382 Moss Ave., Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(3674) W OXFORD 360 S Eunice, Berkeley. One-story 6-room dwlg.
Owner—J. M. Hyde.
Architect—None.
Contractor — Roy O. Long Co., 2114 Shattuck Ave., Berkeley $4800

DWELLING
(3675) E WALNUT 280 S Eunice, Berkeley. One-story 6-room dwlg.
Owner—J. M. Hyde.
Architect—None.
Contractor — Roy O. Long Co., 2114 Shattuck Ave., Berkeley $4800

DWELLING
(3676) N. ALMA AVE. 200 W. Chatham Road, Oakland. One and one-half-story 6-room dwelling.
Owner—Anna G. Fraser.
Architect—None.
Contractor—John Carson, 50 Yosemite Ave., Oakland. $5000

DWELLING
(3677) N FOOTHILL BLVD 90 W Cole St., Oakland. Two-story 7-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. $4900

ALTERATIONS
(3678) 130 4TH ST., Oakland. Alterations.
Owner—Chew Klung.
Architect—None.
Contractor—Schnebly & Hostrawser, 6th and Jackson Sts., Oakland. $498

ADDITION
(3679) SW COR 46TH AVE. AND E. 14th St., Oakland. Addition.
Owner—Mueller Bros., Premises.
Architect—None.
Day's work. $1000

ALTERATIONS
(3680) SE COR. GRAND AVE. AND Broadway, Oakland.
Owner—Jackson Bros.
Architect—None.
Contractor—A. J. McPhee, 2144 E. 27th St., Oakland. $2500

ALT. AND ADD.
(3681) NO. 345-7 MYRTLE, Oakland. Alterations and addition.
Owner—John Raumonde
Architect—None.
Contractor—Harry Wessel, 794 11th St., Oakland. $1800

DWELLING
(3682) S. NEVIL ST. 270 E. Harrington, Oakland. One-story 4-room dwelling.
Owner—Otto Nagel, 3734 Nevil St., Oakland.
Architect—None.
Contractor—A. T. Anderson, 9302 Birch St., Oakland. $3000

DWELLING
(3683) N OUTLOOK AVE 100 W 72nd Ave., Oakland. One-story 4-room dwelling.
Owner—Chesley B. Thurber.
Architect—None.
Day's work. $2000

DWELLING
(3684) N RAMONA AVE 185 E Piedmont, Oakland. One-story 5-room dwelling.
Owner—Jos. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Contractor—P. J. Healy, 39 Mace Ave., Piedmont. $3000

MARKET
(3685) S SIXTH 100 E Broadway Oakland. One-story concrete market.
Owner—E. T. Barnard & Co., 172 Orange St., Oakland.
Architect—None.
Contractor—K. E. Gray & Son, El Cerrito, Cal. $2000

DWELLING
(3686) N SCOTT 150 W Thermal, Oakland. One-story 6-room dwlg.
Owner—Anna C. Anderson, 1927 Napa Ave., Berkeley.
Architect—None.
Contractor—N. A. Anderson, 1927 Napa Ave., Berkeley. $4500

DWELLING
(3687) E SIXTY-FOURTH AVE 200 N Trenor, Oakland. One-story 5-room dwelling.
Owner—C. H. Sherman, 3262 64th Ave., Oakland.
Architect—None.
Day's work. $2000

DWELLING
(3688) N SCENIC WAY 160 E Seminary, Oakland. One-story 5-room dwelling.
Owner — E. M. Hinch, 420 15th St., Oakland.
Architect—None.
Day's work. $2000

PLATFORM, ETC.
(3689) NO 2140 SAN PABLO AVE., Oakland. Shed roof and platform.
Owner—A. K. Goodmundson, 2140 San Pablo Ave., Oakland.
Architect—None.
Day's work $500

GARAGE
(3690) NO. 658 SANTA RAY AVE., Oakland. One-story concrete garage.
Owner—A. K. Goodmundson, 2140 San Pablo Ave., Oakland.
Architect—None
Day's work. $500

DWELLINGS
(3691) E ALMOND 195 & 230 N Jones Ave., Oakland. Two one-story 5-room dwellings.
Owner—W. L. Hills, 5869 Clara St., Oakland
Architect—None.
Contractor—C. L. Hewett, 2726 Jones Ave., Oakland. $2500 each

APARTMENTS
(3692) E ALICE 724 N 14th, Oakland. Three-story 38-room apartments.
Owner—Rachel and L. Lerokointz.
Architect—None
Contractor—M & Felix Sommerstrom, 3145 Champion St., Oakland. $33,500

ALTERATIONS
(3693) NO. 5368 BOND AVE., Oakland. Alterations.
Owner—P. Meda.
Architect—None.
Contractor—P. Garello, 870 47th St., Oakland. $500

DWELLING
(3694) NW BIRCH AND NINETY-eighth Ave., Oakland. One-story three-room dwelling.
Owner—J. C. Bettencourt, 1312 96th Ave., Oakland.
Architect—None.
Day's work. $1000

DWELLING
(3695) NW BROADWAY AND MANILA Ave., Oakland. One-story 5-room dwelling.
Owner—Geo. F. Dowling, Federal Bldg. Oakland.
Architect—None.
Contractor — Thos. F. L. Furlong, 61 Echo Ave., Oakland. $4000

ALTERATIONS
(3696) NO. 2713 CHESTNUT, Oakland. Alterations and additions.
Owner—Miss A. E. Waters.
Architect—None.
Contractor—Thos. Rutherford, 985 35th ST., Oakland. $2000

GARAGE
(3697) NO. 459 FORTIETH, Oakland. One-story garage.
Owner—H. E. Aldy, 1950 Lombard St., San Francisco.
Architect—None.
Contractor—P. Hansen, 2050 Union St., San Francisco. $400

DWELLING
(3698) NE FIFTY-SEVENTH AVE & Bond St., Oakland. One-story five-room dwelling.
Owner—Norman Stewart, 2764 Foothill Blvd., Oakland.
Architect—None.
Day's work. $3850

ALTERATIONS
(3699) NO. 969 FIFTY-SIXTH ST., Oakland. Alterations and additions.
Owner—J. J. Jerome, 5704 Telegraph Ave., Oakland.
Architect—None.
Contractor — J. B. Fullerton, 2117 9th St., Berkeley. $1000

DWELLING
(3700) E. 105TH AVE. 155 Hortense, Oakland. One-story 4-room dwelling.
Owner—Karl Frost, 2134 E. 21st St., Oakland.
Architect—None.
Day's work. $2000

GAS STATION
(3701) GORE, SAN PABLO & CHESTnut, Oakland. One-story brick gas station.
Owner—R. F. Warham, 62 Rio Vista Ave., Oakland.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley. $900

APARTMENTS
(3702) SE COR. DWIGHT WAY AND Etna St. E. 70 S. 110, Berkeley. Three-story frame apartments.
Owner—I. Salsman.
Architect—Clay N. Burrell, 1st Sav. Bank Bldg., Oakland.
Contractor—I. Lucas, 555 59th St., Oakland.

Filed Oct. 22, '21; dated, Oct. —
2-1 floor rough floor laid..$6830.06¼
Brown coated 6830.06¼
Fin. fin. exc. oak fl. on.... 6830.06¼
Completed and accepted.. 6830.06¼
Time 35 days 9106 75
TOTAL COST ..$36,427
Bond, $18,213.50; surety, Globe Indemnity Co.; forfeit, none; limit, 85 days. Plans and specifications filed.

DWELLING
(3703) S. ALCATRAZ 200 W. California, Berkeley. One-story 5-room dwelling.
Owner—W. A. Guldner, 2312 Larkin St., San Francisco.
Architect—None.
Day's work. $2000

GARAGE
(3704) 2957 ASHBY AVE., Berkeley. Garage.
Owner—P. C. Anills, Premises.
Architect—None.
Contractor—Louis O. Hansson, 1409 Bonita St., Berkeley. $400

FLATS
(3705) N. DOWLING PL. 120 E. Telegraph, Berkeley. Two-story 6-room flats.
Owner—Thos. N. Badger, 2946 Linden Ave., Berkeley.
Architect—None.
Day's work. $5000

DWELLING
(3706) S. OREGON 62 W. Mabel, Berkeley. One-story 5-room dwelling.
Owner—Victor Laisi, 1228 Oregon St., Berkeley.
Architect—None.
Day's work. $2500

ADDITION
(3707) 2315 SUMMER ST., Berkeley. Addition.
Owner—Killet, Premises.
Architect—None.
Contractor—G. F. Estey, 1815 Hearst Ave., Berkeley. $400

DWELLING
(3708) W PIERSON ST. 295 N Morcom, Oakland. One-story 4-room dwelling.
Owner—Oscar Hillston, 2028 E. 22nd St., Oakland.
Architect—None.
Day's work. $2000

ADDITION
(3709) 2117 BROADWAY, Oakland. Addition.
Owner—Krieger & Brunge.
Architect—None.
Contractor—A. H. Rose, 525 17th St., Oakland. $645

DWELLING
(3710) 719 E-16TH ST., Oakland. Oneland. One-story 3-room dwelling.
Owner—H. A. Cook
Architect—None.
Contractor—W. E. White, 719 E. 16th St., Oakland.

APARTMENTS
(3711) S E-42TH ST 78 E 4th Ave., Oakland. Two-story 16-room tile apartments.
Owner—Clara K. Haynie, 325 E. 42th St., Oakland.
Architect—None.
Contractor—W. C. Marshall, Bacon Bldg., Oakland. $16,000

ALTERATIONS
(3712) 3740 EMERSON ST., Oakland. Alterations.
Owner—S. L. Fish, 8629 Foothill Blvd., Oakland.
Architect—None
Contractor—E. W. Woodard, 535 Merritt Ave., Oakland. $400

ALT. AND ADD.
(3713) W EMERSON AVE 100 S Park Blvd., Oakland. Alteration and addition (dwelling to flats).
Owner—W. H. Alt., 3737 Emerson, Oakland.
Architect—None.
Day's work. $5000

ALTERATIONS
(3714) 831 55TH ST., Oakland. Alterations.
Owner—Capt. Barker.
Architect—None.
Contractor—A. H. Rose, 525 17th St., Oakland. $433

DWELLING
(3715) W 41ST AVE 50 N E-14th St., Oakland. One-story 5-room dwelling.
Owner—Jas. O'Reilley, 1617 41st Ave., Oakland.
Architect—None.
Contractor—O. R. Johnson, 9978 Stearns Ave., Oakland. $400

SHED
(3716) E OAK ST BET 1ST & 2ND ST, Oakland. Shed.
Owner—Oakland Lbr. and Mill Co.
Architect—None.
Contractor—M. Fernandes, 948 E. 11th St., Oakland. $400

ADDITION
(3717) NO. 3400 PARK BLVD., Oakland. Addition.
Owner—S. J. Israel.
Architect—None.
Contractor — F. A. Lepley, 3406 Park Blvd., Oakland. $400

DWELLING
(3718) N WAWONA 100 E Eend of Avenue, Oakland. Two-story seven room dwelling.
Owner—Dr. W. H. McCabe, 355 12th St., Oakland.
Architect—None.
Contractor—E. C. Graff, 355 12th St., Oakland. $8500

DWELLING
(3719) W WHITTLE 200 S Wilbur, Oakland. One-story 3-room dwlg.
Owner—R. D. Warner, 1350 E-27th St., Oakland.
Architect—None.
Day's work. $500

ALTERATIONS
(3720) NO. 2054 WEBSTER ST., Oakland. Alterations and additions.
Owner—Sisters of the Holy Names.
Architect—None.
Day's work. $1000

RECORDED

DWELLING
(3721) N PARK BLVD 116 W Mont Clair Ave W 38 NE 122.69 SE 25.5 SW 112.92, Oakland. All work for six-room dwelling.
Owner—L. C. Fish, Oakland.
Architect—None.
ContractorGordon Wiser, 1583 Virginia St., Berkeley.
Filed Oct. 24, '21. Dated Oct. 24, '21.
Roof sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $4000
Bond, none. Limit, 90 days. Forfeit, $7.50 day. Plans and specifications filed

DWELLING
(3722) NO 958 ALAMEDA, Berkeley. One-story 5-room dwelling.
Owner—J. R. Hardman & Son, 914 Inyo St., Berkeley.
Architect—None.
Day's work. $5000

SERVICE STATION
(3723) NW CHANNING WAY AND Shattuck Ave., Berkeley. One-story steel service station.
Owner—Standard Oil Co., Foot Powell St., Emeryville.
Architect—None.
Day's work. $4000

DWELLING
(3724) NO. 3027 CLAREMONT AVE., Berkeley. One-story 5-room dwlg.
Owner—H. D. Overfield, 2611 Fulton St., Berkeley.
Architect—None.
Contractor—O. E. Nelson, 2634 Highland Ave., Berkeley. $5000

OFFICE
(3725) NO. 2926 TELEGRAPH AVE., Berkeley. One-story 3-room dwlg.
Owner—S. A. Sellers, 3024 Hillegass Ave., Berkeley.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $1000

DWELLING, ETC.
(3726) HARVARD RD, Piedmont. Two and one-half-story frame dwelling and garage.
Owner—H. R. Angwin.
Architect—None.
Contractor—B. T. Schwart. $5000

DWELLING
(3727) PIEDMONT VISTA TRCT, Lot 30, Piedmont. Two-story frame dwelling.
Owner—I. W. Button, 347 63rd St., Oakland.
Architect—Plans by owner.
Day's work. $4850

DWELLING
(3728) PIEDMONT CT., Piedmont. Two-story frame dwelling.
Owner—Lucy F. Scammell.
Architect—Plans by owner.
Day's work. $4200

DWELLING
(3729) RAMONA AVE., Piedmont. Two-story dwelling.
Owner—W. O. F. Johnson.
Architect—Plans by owner.
Day's work. $4000

DWELLING
(3730) S AILEEN ST 240 W Adeline, Oakland. One-story 5-room dwelling.
Owner—G. H. Kerr, 919 Aileen St., Oakland.
Architect—None.
Day's work. $2500

ALTERATIONS
(3731) 1457 ALICE ST., Oakland. Alterations.
Owner—J. W. Owen, 1461 Alice St., Oakland.
Architect—None.
Day's work. $1200

STORES
(3732) W COLLEGE AVE 35 N Miles Ave., Oakland. One-story 3-room stores.
Owner—Wm. Shore, 902 Lafayette Ave., Alameda.
Architect—None.
Contractor—O. M. Bullock, 510 18th St., Oakland. $10,000

ALT. AND ADD.
(3733) 1225 E 23RD ST., Oakland. Alterations and addition.
Owner—Anita Gladding, 45 Nace Ave., Piedmont.
Architect—None.
Contractor — A. A. Anderson, 3321 Brookdale Ave., Oakland. $1900

ADDITION
(3734) N E-14TH ST. 50 W 90th Ave., Oakland. Addition.
Owner—C. A. Monroe, 8920 E. 14th St., Oakland.
Architect—None.
Day's work. $1200

DWELLING
(3735) W 82ND AVE 225 N Rudsdale, Oakland. One-story 2-room dwelling.
Owner—Niel and Mattie J. Hansson, 1245 94th Ave., Oakland.
Architect—None.
Day's work. $500

ROOF REPAIRS
(3736) 1440 10TH ST., Oakland. Roof repairs.
Owner—Wm. M. Tarr.
Architect—None.
Contractor—B. F. Woolley, 706 San Pablo Ave., Albany. $1058

ALT. AND ADD.
(3737) 4120 TELEGRAPH AVE, Oakland. Alterations and addition.
Owner—W. J. P. Lawton.
Architect—None.
Contractor—J. H. Skaggs, 536 44th St., Oakland. $2000

STORES
(3738) NW COR 16TH AND CYPRESS Sts., Oakland. One-story stores.
Owner—J. and S. Vallerga.
Architect—None.
Contractor—W. H. Higgins, 9439 Foothill Blvd., Oakland. $2825

STORES
(3739) NE COR PIEDMONT AND YOsemite, Oakland. Two-story stores.
Owner—W. M. Greunr, 176 Grand Ave., Oakland.
Architect—Clay N. Burrell, 1st Sav. Bank Bldg., Oakland.
Day's work. $5000

RECORDED

EXCAVATING, ETC.
(3740) UNIVERSITY OF CALIFORNIA Grounds, Berkeley. Excavating and grading for students' union building.
Owner—The Regents of the U. of C.
Architect—John Galen Howard, First National Bank Bldg., San Francisco.
Contractor—R. A. Farrar and J. Carlin (The Carlin Grading Co.,) 180 Jessie St., San Francisco.
Filed Oct. 25, '21. Dated Oct. 22, '21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $8795
Bond, $4500. Surety, Fidelity & Deposit Co. Limit, 18 days after May 11, 1921. Forfeit, $10. Plans and specifications filed.

GARAGE
(3741) E HARRISON 154 N 14th N 60 xE 150, Oakland. All work for one-story and mezzanine reinforced concrete garage.
Owner—John and Thos. H. Lloyd, 5809 Fleming St., Oakland.
Architect — Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—John M. Bartlett, 351 12th St., Oakland.
Filed Oct. 25, '21. Dated Oct. 21, '21.
1st and 15th of each month.. 75%
Usual 35 days..... 25%
TOTAL COST, $15,912
Bond, $7956. Surety, Globe Indemnity Co. Limit, Dec. 14. Forfeit, none. Bonus, $10 a day. Plans and specifications filed.

DWELLING
(3742) N GARRISON 298 E San Pablo, Berkeley. One-story 4-room dwelling.
Owner—Walter Hufschmidt.
Architect—None.
Contractor—C. E. Charleston, 5623 Genoa St., Oakland. $2750

DWELLING
(3743) W SAN LUIS ROAD 100 S Arlington Ave., Berkeley. One-story 4-room dwelling.
Owner—Noble Newsom, Contra Costa and San Rafael, Berkeley.

Architect—Plans by owner.
Day's work. $3800

DWELLING
(3744) N SAN LORENZO 200 W Colusa, Berkeley. One-story 5-room dwelling.
Owner—Berkeley Building Co., Colusa and Solano Aves., Berkeley.
Architect—None.
Day's work. $3000

REPAIRS
(3745) 1160 BAY ST., Alameda. Repairs.
Owner—Mrs. Baker, Premises.
Architect—None.
Contractor—D. W. Ross. $500

DWELLING
(3746) 1512 BENTON ST., Alameda. One-story 4-room dwelling.
Owner—H. J. Raun, 1038 Lincoln, Alameda.
Architect—None.
Day's work. $2000

ADDITION
(3747) 3011 MADISON ST., Alameda. Addition.
Owner—A. Waterberry, Premises.
Architect—None.
Contractor—H. C. Nelson, 2251 Buena Vista Ave., Alameda. $400

DWELLING
(3748) 414 SANTA CLARA AVE., Alameda. One-story 3-room dwelling.
Owner—D. A. Barton, 1316 9th St. Alameda.
Architect—None.
Day's work. $1500

STORES
(3749) N 14TH ST 75 W Harrison. Oakland. One-story 3-room tile store.
Owner—Mrs. Helen Dille.
Architect—Reed & Corlett, Oakland Bank of Sav. Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland. $15,900

STORES
(3750) NW GRAND AVE & WEBSTER. Oakland. One-story frame stores (8).
Owner—H. A. Mitchell.
Architect — Reed & Corlett, Oakland Bank of Sav. Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland. $21,000

DWELLING
(3751) NW 51ST AVE & E 10TH ST., Oakland. One-story 5-room dwelling.
Owner—Fred Pistoresi.
Architect—None.
Contractor—Morgan & Travis, 3700 Allendale Ave., Oakland. $2990

DWELLING
(3752) W FAIRFAX AVE 125 N Foothill Blvd. One-story 6-room dwelling.
Owner—R. C. Hillen, 5364 Trask, Oakland.
Architect—None.
Day's work. $3500

FLATS, ETC.
(3753) S YOSEMITE AVE 100 E Piedmont, Oakland. Two-story 12-room flats and garage.
Owner—L. W. Roth, 1019 E. 15th St., Oakland.
Architect—None.
Day's work. $8300

ALT. ANDD ADD.
(3754) LOTS 2, 3, 4, 5, 6 AND 7, BLK 2-1129 Howe Tract, Oakland. Alterations and additions to crematory.
Owner—Oakland Cremation Association, Howe & Mather Sts., Oakland.
Architect—C. W. McCall, Central Bank Bldg., Oakland.
Contractor — H. C. Andresen, 1229 Pearl St., Alameda.
Filed Oct. 26, '1. Dated Oct. 20, '21.
1st and 15th each month.....75%
Usual 35 days 25%
TOTAL COST, $2422
Bond, sureties, forfeit, none; limit, 45 days. Plans and specifications filed.

APARTMENTS
2726 DWIGHT WAY, Berkeley. Three-story (three 6-room) apartments.
Owner—I. Salsman.
Architect—Clay N. Burrell, 1st Sav. Bank Bldg., Oakland.
Contractor—L. L. Lucas, 555 59th St., Berkeley. $36,000
NOTE:—Recorded contract reported Oct. 24, 1921, No. 3702.

ALTERATIONS
(3755) 2935½ GROVE ST., Berkeley. Alterations.
Owner—Mrs. Bristol, Premises.
Architect—None.
Contractor—Frank Smith, 2230 17th Ave., Oakland. $1900

DWELLING
(3756) E SACRAMENTO 150 S Rose. One-story 5-room dwelling.
Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.
Architect—None.
Day's work. $2500

ADDITION
(3757) 2314 WEBSTER ST., Berkeley. Addition.
Owner—C. Cavalli, Premises.
Architect—None.
Contractor—Harry Ahnefeld, 2123 Parker St., Berkeley. $1125

ALAMEDA CONTRACTS ....
DWELLINGS
(3758) NW COR ARIZONA & MIDVALE and W. Midvale 40 N. Arizona. Two 1-story 4-room dwellings.
Owner—John Mills, 593 7th St., Oakland.
Architect—None.
Day's work. $1200 ea.

DWELLING
(3759) N E-33RD ST 120 W Bruce, Oakland. One-story 5-room dwelling.
Owner—John Madero, 1466 E. 33rd St., Oakland.
Architect—None.
Contractor—Silva & Matheyer, 1369 Hopkins St., Oakland. $2500

ALTERATIONS
(3760) 1355 83RD AVE., Oakland. Alterations.
Owner—H. I. Peterson, Premises.
Architect—None.
Contractor—John F. Hopper, 545 Juana Ave., San Leandro. $1000

DWELLING
(3761) E. 51ST AVE. 118 S. Bond St., Oakland. One-story 4-room dwelling.
Owner—A. Rose, 1801 64th Ave., Oakland.
Architect—None.
Contractor—John Almquist, 5356 Trask St., Oakland. $3800

DWELLING
(3762) SW COR HADDON RD AND Hillgirt, Oakland. One-story 8-room dwelling.
Owner—John Davidson, Okd. Bank of Sav. Bldg., Oakland.
Architect—None.
Contractor—W. J. McCracken, 1327 Broadway, Oakland. $10,000

ALTERATIONS
(3763) 1530 HARRISON ST., Oakland. Alter 2-story dwelling to apartments.
Owner—Geo. W. Clark.
Architect—None.
Contractor—Peters & Hodgins, 184 Ridgeway Ave., Oakland. $4500

GARAGE
(3764) E. JACKSON ST., 75 N. 7th St., Oakland. One-story concrete garage.
Owner—Walter Langtry, 177 8th St., Oakland.
Architect—None.
Contractor—Richard Langtry. $1200

ALTERATIONS
(3765) OAKLAND AUDITORIUM, Oakland. Alterations.
Owner—City of Oakland.
Architect—None.
Contractor—Oakland Machinery Co., 569 3rd St., Oakland. $1800

DWELLING
(3766) NW COR SEMINARY & FLEMing, Oakland. Two-story 11-room dwelling.
Owner—F. F. Morse.
Architect—None.
Contractor—C. E. Burks, 4128 Randolph Ave., Oakland. $8000

DWELLING
(3767) S 30TH ST 365 W West St., Oakland. One-story 5-room dwelling.
Owner—E. R. Williams, 3381 Peralta Ave., Oakland.
Architect—None.
Day's work. $3000

ADDITION
(3768) N TRENOR ST 70 W 69th Ave., Oakland. Addition.
Owner—A. Budge.
Architect—None.
Contractor—A. E. Orton, 68th Ave. and Trenor St., Oakland. $450

RECORDED

FLAT BLDG., ETC.
(3769) NE COR COLLEGE & KEITH Aves. E 106 N 46 W 88.06 thence at an obt. angle 49.40 to point of beginning, Oakland. Two-story frame, store, office and flat bldg.
Owner—George R. Sullivan.
Architect—Not given.
Contractor—Cox Bros.
Filed Oct. 27, '21. Dated Oct. —, '21.
Frame up .....¼
Brown coated .....¼
Completed .....¼
Usual 35 days .....¼
TOTAL COST, $18,240
Bond, sureties, forfeit, none; limit, 120 days. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
ALA COMPLETION ....
Oct. 27, 1921—NE COR 8TH & POPlar Sts., Oakland. John C. Hollis to W. C. Constable .....Oct. 26, 1921
Oct. 27, 1921—319 SANTA CLARA Ave., Oakland. C. E. Tremble to B. H. Easterly & Sons..Oct. 17, 1921
Oct. 27, 1921—NW 89TH AV 205 SW Laurel Ave., Oakland. Maria J. Wilson to W. C. Taylor..Oct. 26, 1921
Oct. 27, 1921—N HAWTHORNE AV W Broadway, Oakland. Weaver-Wells Co. to Edwin C. Graff.....
.....Oct. 20, 1921
Oct. 26, 1921—SE 29TH ST & TELEgraph Ave 60x100, Oakland. H. B. and Lizzie Maude Reynard to Edwin C. Graff .....Oct. 15, 1921
Oct. 26, 1921—NW 50 FT LOTS 5 & 6 Blk "R." Map Land Adj. to Town of Livermore, Alameda Co. Isabelle I. Wright to Henry C. Knight
.....Oct. 11, 1921

Oct. 26, 1921—NE ALMOND ST 160 NW 98th Ave. NW 35 NE 146.74, Oakland. Robert Hillis to T. L. Hewitt .....Oct. 14, 1921
Oct. 25, 1921—E FRUITVALE AVE 55.38 N E-14th N 30xE 100, Oakland. Fayetta H Philip to Alex C Wieben.....Oct. 24, 1921
Oct. 25, 1921—NE E-SIXTEENTH & SE 9th Ave SE 60xNE 115, Oakland. Oscar L Zeis to whom it may concern.....Oct. 7, 1921
Oct. 24, 1921—LOT 5 BLK F, Bella Vest Tract, Oakland. G H Delarenelle to L G Hudson..... .....Oct. 22, 1921
Oct. 24, 1921—LOT 24 BLK "E," Northbrae Terrace, Berkeley. Ethel C and Edwin R Willard to Jordan & Zeile.....Oct. ——
Oct. 24, 1921—108TH AVE from center line Hollywood Blvd to W ln McIntyre St. 109th Ave from center line Myers St. to E ln McIntyre St. 5 ft. reserve Blk 14, Hollywood and 5 ft. reserve in Blk 15 Hollywood, Oakland; Westbay Ave. Victoria Ave and 5 ft. reserve in Blks 4, 5, 6, 12, 13, Hollywood, San Leandro. Breed & Bancroft to W T Tobin.....Oct. 13, 1921
Oct. 22, 1921—N SIXTY-SECOND 115 E Colby Ave E 45 N 110 E 40 N 40 W 50 S 90 W 35 S 60, Oakland. John R Steeves to whom it may concern.....Oct. 15, 1921
Oct. 22, 1921—NO. 4418 EVANS AVE, Oakland. Mrs Katherine Houck to whom it may concern...Oct. 20, 1921
Oct. 21, 1921—CENTER LINE COUNty Road fm San Leandro to Castro Valley via Lake Chabot and S line Bogge Ranch NW 7.91 ch NE 9.90 ch NE 15.44 SE 23.62 ch SW 16.28 Ch. ——. E Jacobs to Chas Van Epps & Son.....Sept. 28, 1921
Oct. 21, 1921—LOT 6 BLK "E" Sanford Tract, Okd. Beverely B Hooke to H C Tollefsen..... .....Oct. 17, 1921
Oct. 21, 1921—LOT 27 BLK 19, Havencourt, Oakland. George Housken to Arthur H Peterson.. .....Oct. 10, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Oct. 27, 1921—LOT 27 BLK F MAP Lakewood Park, Piedmont. Chris Nelson Co. vs. A. V. Alder & Brooks G. Walker.....$131.13
Oct. 27, 1921—LOT 27 BLK F, MAP Lakewood Pk., Piedmont. Rhodes-Jamieson & Co. vs. A. V. Alder and Brooks G. Walker.....$257.55
Oct. 27, 1921—S LAKE ST 90 E Madison St., Oakland. Oakland Lime & Cement Co. vs. T. Lillian Peter, S. and Gizelle Krause.....$228.40
Oct. 25, 1921—PTN PLOT 19-C Map Meek Town Tract, Hayward. Sunset Lumber Co vs M J Martin, Mrs M J Martin, Ramos Brothers and F W Engelken $158.02
Oct. 25, 1921—LOT 3 BLK "O" Map Melrose Acres, Oakland. Sunset Lumber Co vs W J Scott.....$714.32
Oct. 24, 1921—SW E-TWENTY-first 390 SE Fifth Ave SE 40xSW 125, Oakland. Stephens & Porteous, $150; Lillian & Konda, $535.85 vs Amelia H and W Henry and W J Wilkinson .....
Oct. 22, 1921—S HARMON 240 E Baker E 80xS 100, Berkeley. M Stulsaft Co vs J W Wishart and C L Goekler.....$53.98

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
Oct. 27, 1921—E CEDAR ST 520 S Clinton Ave. E 130 S 211.45 NW 74.85 NW 73.75 N 189.60, Alameda. C. H. Thrane to Edward A. and Florence R. Allen $136.00

HOMESTEADS

ALAMEDA COUNTY

Oct. 27, 1921—LOT 15 BLK E & port lot 16 blk E, Map Piedmont Knoll, Oakland. Marguerite Newsom, wife of J. Raymond....$10,000
Oct. 27, 1921—LOT 25 BLK A, MAP Lakewood Park, Oakland. Cornelia M. Chinnock, wife of W. E..$5000
Oct. 25, 1921—LOT 32 BLK 9 Map Iveywood Extension, Oakland. M F Grother $5000
Oct. 25, 1921—W FIFTH 32 S Jones S 36xW 75, Berkeley. Frederick Leitner $3000
Oct. 24, 1921—LOT 27 Map Valley Crest Gardens, Eden Tp. Ralston R and Anna E Smith $4900
Oct. 24, 1921—E DEAKIN 132-6 N Ashby Ave N 32-6xE 135, Berkeley. Mollie Marquis (wf Robert) ..$4000
Oct. 22, 1921—E REGENT 480 N Alcatraz Ave N 40xE 130, Oakland. H C Kelsey $5000
Oct. 21, 1921—LOT 12 Map Elmwood Park, Oakland. Assunta Marini (wf Biagio).....$2100
Oct. 20, 1921—NE LAKE AVE 541.10 NE Linda Ave NE 35 NW 102.74 SW 34.82 SE 106.26, Piedmont. Minnie Halpern (wf Jacob).....$——
Oct. 20, 1921—E JEFFERSON 202.8 S Bancroft Way S 30xE 130, Berkeley. Arthur H Miller.....$3500

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING
NO. 4035 HUNTINGTON BLVD., Fresno. Dwelling.
Owner—W. E. Simpson, 1032 Thorne Ave., Fresno.
Architect—None.
Contractor—S. L. Allen, 530 Forthcamp St., Fresno. $9000

DWELLING
NO. 1021 ARTHUR ST., Fresno. Dwlg.
Owner—Fresno Bldg. Cptn., 3505 Platt St., Fresno.
Architect—None.
Day's work. $3800

DWELLING
NO. 929 CLARK ST., Fresno. Dwelling.
Owner—W. E. Opie, 725 Tulare Ave., Fresno.
Architect—None.
Day's work. $1000

DWELLING
NO. 1649 OLIVE AVE., Fresno. Dwelling.
Owner—C. C. Anderson, 3119 Kerckhoff St., Fresno.
Architect—None.
Day's work. $3500

DWELLING
NO. 1836 SAN PABLO ST., Fresno. Dwelling.
Owner—R. Richards.
Architect—None.
Contractor—C. E. Buckmaster, 3220 Platt St., Fresno. $4500

DWELLINGS
NO. 1409 E ST. and 1327 Tuolumne St., Fresno. Two frame dwellings.
Owner—Tony Ochinero, 1303 Tuolumne St., Fresno.
Architect—None.
Contractor—Geo. Mikalakis. $2500 each

STORE
NO. 722-32 BROADWAY, Fresno. Store.
Owner—Herman & Todresic, 660 Broadway, Fresno.
Architect—None.
Contractor—L. S. Peletz, 428 E-Fremont St., Stockton. $12,000

DWELLING
NO. 1394 DEL MAR AVE., Fresno. Dwelling.
Owner—R. J. Mackey.
Architect—None.
Contractor— S. Sale, Vagedes Ave. Fresno. $4500

CHURCH
SACRAMENTO AND E STS., Fresno Church.
Owner—Penticostal Church.
Architect—None.
Day's work. $437

WAREHOUSE
NO. 170 SANTA FE AVE., Fresno Warehouse.
Owner—L. A. Warehouse Co.
Architect—None.
Contractor—Fred Gribble. $650

DWELLING
741 UNIVERSITY AVE., Fresno Dwelling.
Owner—Chas. Dubbs, 1835 Mariposa Fresno.
Architect—None.
Contractor—Valley Constr. Co., Fresno $10,00

DWELLING
UNIVERSITY AND WISHON AVES Fresno. All work for dwelling an garage.
Owner—Chas. Dubbs, 1835 Mariposa St Fresno.
Architect—None.
Contractor—Valley Constr. Co.
Filed Oct. 20, '21. Dated Oct. 19, '21.
Foundation in $20
Frames up 20
Plastered 25
Completed 21
TOTAL COST, $86
Bond, $4345. Sureties, Ben Tyre ar Wm. McConnaughay. Limit, 75 day Forfeit, $20 a day. Plans and specifica tions filed.

HEATERS
M AND VENTURA STS., Fresno. A work for installation of 2 Magi National cast iron heaters church.
Owner—Armenian Holy Trinity Churc Premises.
Architect—None.
Contractor—Griffin Sheet Metal Work 1720 H St., Fresno.
Filed Oct. 21, '21. Dated Sept. 27, '21.
Installation roughed in..... 1
Work completed 4
Usual 35 days..... 6
TOTAL COST, $47
Bond, none. Limit, 35 days from Sep 28, 1921. Forfeit, none. Plans a specifications filed.

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accept
Oct. 25, 1921—HAZELWOOD LOT 8 Blk 19, Fresno. Manoog Manoogian and Toros Hampoian to whom it may concern .....Oct. 22, 19
Oct. 25, 1921—NW ¼ OF SW ¼ S 75 ft of SW ¼ of NW ¼, Sec. 3. J. F. Fennell to whom it may concern .....Oct. 19, 19
Oct. 25, 1921—LOTS 7 TO 10 BLK 57 Fresno. Sol Davidson to whom it may concern .....Oct. 10, 19

LIENS FILED

FRESNO COUNTY

Recorded Amou
Oct. 25, 1021—LOTS 23, 24 BLK 6 Normal Vista, Fresno. L. Rosenberg vs W. C. Corlew and G. W

Hendricks $105
Oct. 26, 1921—LOT 7 BLK 1, CEDAR Park, Fresno. S. B. Gregory vs C. C. Russell $97.00
Oct. 26, 1921—LOT 7 BLK 1 CEDAR Park Add., Fresno. H. Scott and L. A. Craig vs Gary R Smith..$27.00
Oct. 26, 1921—LOT 7 BLK 1, CEDAR Park, Fresno. Frank Harris and Floyd Pendergrass vs Chas. C. Russell $115.00
Oct. 26, 1921—LOT 11 BLK 1, CEDAR Park, Fresno. Frank Harris and Floyd Pendergrass vs. Chas. C. Russell and Jas. Weaver.....$153.00
Oct. 22, 1921—LOT 1 Cedar Park, Fresno. Hollenbeck & Bush Planing Mill Co vs C C Russell and Gary R Smith.....$237
Oct. 22, 1921—LOT 8 W 10 feet Lot 7 E 15 feet Lot 9 and N ½ Blk 7, Englewood Addn, Fresno. H Scott & L A Craig vs Gary R Smith.....$27

Notice of Non-Responsibility

FRESNO COUNTY.

Oct. 21, 1921—COR G AND SYLVIA Sts., Fresno. S P Co as to improvements on property .....

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
NO. 3938 J ST., Sacramento. Two-story frame dwelling.
Owner—Dr. Paul Meyers, 182 I St., Sacramento.
Architect—None.
Contractor—W. A. Saunders, 2641 I St., Sacramento. $9000

DWELLING
NO. 1036 THIRTY-SEVENTH ST., Sacramento. Two-story frame dwlg.
Owner—Mrs. L. Johnson, 1036 Dolores Way, Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2641 I St., Sacramento. $7400

DWELLING
NO. 2984 SACRAMENTO BLVD. Dwelling.
Owner—H. W. Peterson, 1406 14th St., Sacramento.
Architect—None.
Day's work. $8000

DWELLINGS
NO. 3841 AND 3843 THIRD AVE., Sacramento. Two one-story 5-room dwellings.
Owner—O. H. Moore, 2920 35th St., Sacramento.
Architect—None.
Contractor—B. H. Bill, 3252 Marshall Way, Sacramento. $2050 each

BRICK BLDG.
N. 60 FT LOT 8, J, K, 3RD & 4TH STS., Sacramento. Four-story brick building.
Owner—A. Duccini, Sacramento.
Architect—None.
Contractor—L. G. Siller, 1230 P St., Sacramento. $8000
Filed Oct. 19, '21. Dated Oct. 19, '21.

DWELLING
3857 40TH ST., Sacramento. One-story 5-room dwelling.
Owner—C. H. Breuner, 4110 Folsom Blvd., Sacramento.
Architect—None.
Contractor—Walker & Daly, 914 12th St., Sacramento. $7000

ALTER AND ADD
517 "K" ST., Sacramento. Alter and add to Liberty Theatre.
Owner—A. F. Kleinsorge and J. W. Sistasio.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.

Contractor—Fred H. Betz and Chas S. Mabrey, 2558 41st St., Sacramento. $17,500
Filed Oct. 21, '21. Dated Oct. 8, '21.

BUNGALOWS
N. ¾ LOT 5 V-W-23RD, 24TH, Sacramento. Three frame and stucco bungalows.
Owner—Walter J. Taylor, Forum Bldg., Sacramento.
Architect—None.
Contractor—C. H. Chatterton, 2118 28th St., Sacramento. $11,140
Dated Oct. 18, '21. Filed Oct. 20, '21.

DWELLING
1332 SANTA CRUZ, Sacramento. One-story 5-room dwelling.
Owner—Laura Sierval, 2408 "P" St., Sacramento.
Architect—None.
Contractor—P. J. O'Brien, 2215 13th St., Sacramento. $5000

DWELLING
1401 36TH ST., Sacramento. One-story 5-room dwelling.
Owner—E. J. Morrissey, 2408 "P" St., Sacramento.
Architect—None.
Contractor—P. J. O'Brien, 2215 13th St., Sacramento. $5000

DWELLING
3375 "N" ST., Sacramento. One-story 5-room dwelling.
Owner—P. J. O'Brien, 2215 13th St., Sacramento.
Architect—None.
Day's work. $5000

FLATS, ETC.
2310 "I" ST., Sacramento. Two-story frame (4) flats and 4 garages.
Owner—Sarah Markowitz, 2320 4th St., Sacramento.
Architect—None.
Contractor—Herndon & Finnigan, 1814 17th St., Sacramento. $12,500

REPAIRS
421 "K" ST., Sacramento. Repairs.
Owner—Elliott & Huston, 1010 8th St., Sacramento.
Architect—None.
Contractor—Herndon & Finnigan, 1814 17th St., Sacramento. $4200

BUILDING
LOT 1782 W & K TRCT 22, Sacramento. Building.
Owner—Peter M. Rooney, Jr., 1527 7th St., Sacramento.
Architect—None.
Contractor—Frank Maloney, 1801 "U" St., Sacramento. $5000
Filed Oct. 22, '21. Dated Oct. 20, '21.

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Oct. 19, 1921—E 35 FT. OF W 70 FT. of Lots 4558 and 4559, H. J. G. Add'n K, Sacramento. H Harvey to whom it may concern.....July 1, 1921

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Oct. 22, 1921—N 50 FT LOT 10 BLK 33, North Sacramento, Sub 9, Sacramento. J. T. Scott vs B. O. Butterfield $55
Oct. 21, 1921—W ½ LOT 2, D, E, 23rd and 24th Sts., Sacramento. Homestead Lumber Co vs E Machado.$68.28
Oct. 19, 1921—S ½ OF LOT 4, Q, R, 6th and 7th Sts., Sacramento. Superior Lumber & Fuel Co vs C Gioffi $263.37

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

RESIDENCE
REGENT ST., Stockton. Residence and garage.
Owner—G. P. Maddock.
Architect—None.
Day's work. $4800

RESIDENCE
HUNTER AND NORTH STS., Stockton. Residence and garage.
Owner—Dr. Louis M. Haight, Elks' Bldg., Stockton.
Architect—Wm. E. Milwain, Albany Bldg., Oakland.
Contractor—F. W. Maurice, 1362 E-15th St., Oakland. $14,000

RESIDENCE
NORTH CENTRAL ST., Stockton. Residence and garage.
Owner—L. C. Phillips, 222 S-Central St., Stockton.
Architect—None.
Day's work $4000

RESIDENCE
EAST POPLAR ST., Stockton. Residence and garage.
Owner—A. C. Brummett, Stockton.
Architect—None.
Day's work. $3200

RESIDENCE
W-VINE ST., Stockton. Residence and garage.
Owner—John L. Mazzera, 40 W-Main St., Stockton.
Architect—None.
Day's work. $7500

RESIDENCE, ETC.
LEXINGTON AVE., Stockton. Residence and garage.
Owner—H. W. Johnson, 301 Sonoma Ave., Stockton.
Architect—None.
Day's work. $4900

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

Recorded Accepted
Oct. 25, 1921—BLK 104 E LOTS 2 & 6, City of Stockton. J. V. Craviotto and A. J. Ferroggiaro to O. H. Chain .....Oct. 18, 1921

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Oct. 24, 1921—LOT 8 BLK 37 STOCKTON City Homestead Assn., Stockton. Adam Schortzen vs Alice De Werke and Emilie De Werke..$82.50
Oct. 24, 1921—LOTS 10 & 12 BLK 77, west of Center St., Stockton. Adam Schortgen vs Belle K Jackson...$69
Oct. 25, 1921—W½ OF SW ¼ OF SE ¼ of Sec 6, T 2 S, R 8 E, Stockton. Ripon Lumber Co., a corp., vs Anna J. Silveria, administratrix of the estate of Manuel J. Silveria, deceased $81.35
Oct. 22, 1921—LOTS 1, 2 AND 3 BLK 1 Map of Sanguinetti Addition, Lodi. Lodi Lumber Co (a cptn) vs G E Schilling.....$1033.60
Oct. 22, 1921—SE ¼ of the SE ¼ of Sec 27 T 1 S R 9 E, situate near the town of Escalon. Stockton Hardware & Implement Co (a cptn) vs W E Crain $132.21

BUILDING CONTRACTS

SAN MATEO COUNTY

MANUFACTURERS' BLDG
SOUTH SAN FRANCISCO. Cal. All work except roofing and painting for 1 to 4 stories reinforced con-

crete manufacturer's building.
Owner—Fontana Food Products Co., 112 Market St., S. F.
Architect—Righetti & Hirschfeld, 12 Geary St., San Francisco.
Contractor—J. I. Simpson Co., 522 Monadnock Bldg., San Francisco.
Filed Oct. 18, '21. Dated Oct. 17, '21. Progress payments, 1st of ea. month, work done and material furnished, 75%.
TOTAL COST, $70,980
Bond, $35,490; surety, Globe Indemnity Co.; forfeit, $100; limit, 100 working days, inc. Oct. 17, 1921; bonus, $100 per day. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded — Accepted

Oct. 25, 1921—PORT LOT 5 BLK —, Dingee Park, Redwood City, Cal. Sarah E. Connell to Louis N. Pollard .....Oct. 24, 1921
Oct. 24, 1921—PART LOT 13 BLK 9 Burlingame Land Co., Burlingame, Cal. R. F. and Addie Colyer to L. H. Stevenson .....Oct. 15, 1921

LIENS FILED

FRESNO COUNTY

Recorded — Amount

Oct. 20, 1921—LOTS 5 AND 6 BLK 14, Kleinhurst, Fresno. Victor J Cox vs A L Arneal, John Reinhardt et al $31

BUILDING CONTRACTS

SANTA CLARA COUNTY

COTTAGE
S-EIGHTH ST. near Martha St., San Jose. Five-room cottage.
Owner—Alfred Jones, 141 S-10th St., San Jose.
Architect—None.
Contractor—C. Jungquest. $3000

APARTMENTS
S-THIRD ST. near San Calros St., San Jose. Two-story apartments.
Owner—Mrs. W. F. Henning.
Architect—Binder & Curtis.
Contractor—P. T. Jorgensen. $15,875

COTTAGE
CLAYTON AVE. near First St., San Jose. Five-room cottage.
Owner—F. C. Marshall, 215 Hobson St., San Jose.
Architect—None.
Contractor—J. Erle McCombs, 214 Hobson St., San Jose. $5000

COTTAGE
FIFTEENTH AND VESTAL STS., San Jose. Four-room cottage.
Owner—L. Chiaromonte.
Architect—A. Megna, 864 N-17th St., San Jose.
Contractor—A. Megna, 864 N-17th St., San Jose. $2300

SCHOOL
ON E SIDE OF GILROY near Morgan Hill. All work for three-room school and alteration to old school.
Owner—Board of Trustees of Burnett School District, near Morgan Hill.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—John Gates.
Filed Oct. 20, '21. Dated Oct. 19, '21. As work progresses..... 75%
Usual 35 days, 25%.....$3385
TOTAL COST, $13,540
Bond, $6770. Sureties, J. J. Jones and W. H. Bone. Limit, 90 days after Oct. 19, 1921. Forfeit, none. Plans and specifications filed.

COTTAGE
WILLIAM ST. near Ninth, San Jose. Four-room cottage.
Owner—G. W. Dobson, 347 S-Third St., San Jose.
Architect — G. W. Humphrey, 363 Prevost St., San Jose.
Contractor—G. W. Humphrey, 363 Prevost St., San Jose. $2700

COTTAGE
NI. 230 S-EIGHTEENTH ST., San Jose. Six-room cottage.
Owner—Elsie A. Clark.
Architect—None.
Day's work. $3500

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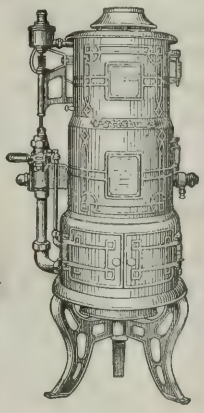
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HOUSE, GARAGE
PALO ALTO, Cal. Two-story frame house and one-story frame garage.
Owner—R. R. Agnew, 911 Bryant St., Palo Alto, Cal.
Architect—Warren Skillings, Garden City Bank Bldg., San Jose, Cal.
Contractor—Howard A. Waltz, 132 Balbach St., San Jose, Cal.
Filed Oct. 25, '21. Dated Oct. 17, '21.
When frame is up and partially enclosed $2637.50
When all plastering is completed 2637.50
Completed and accepted..... 2637.50
Usual 35 days..... 2637.50
TOTAL COST, $10,550
Bond, $5250; sureties, Mrs. Gertrude S. Huff and F. P. Heringer; forfeit, none; limit, 90 working days after Oct. 24, 1921. Plans and specifications filed.

APARTMENTS
NINTH AND WILLIAM STS., San Jose. One-story (2) apartment house.
Owner—Geo. W. Dobson, 347 S-Third St., San Jose.
Architect—H. W. Higbie, Porter Bldg., San Jose.
Contractor—G. W. Humphrey, 363 Prevost St., San Jose. $3500

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Oct. 21, 1921—LOT 4, Studio Heights, Santa Clara Co. Marvin Keever to whom it may concern...Oct. 21, 1921
Oct. 21, 1921—LOT 7 BLK 1, Randol Tract and Addition to City of San Jose. W M Rowe to whom it may concern.....Oct. 17, 1921
Oct. 21, 1921—NO. 679 CHESTNUT, San Jose. John Harvey to whom it may concern.....Oct. 15, 1921
Oct. 17, 1921—RANDOL TRACT, San Jose. J W Ford to whom it may concern.....Oct. 11, 1921
Oct. 20, 1921—PALO ALTO. Mrs Ethel G Hays to Charles Baker..Oct. 4, 1921

JOKES IN ARCHITECTURE

The builders of the old churches in England were not so serious but that they now and then perpetrated a joke, even in stone. On more than one of their creations they carved in relief a scene representing a monk preaching solemnly to a flock of geese. The same humorous spirit is sometimes to be detected in the domestic architecture of early times. Here is an instance:

Just upon the boundaries of Bedforshire and Hertfordshire formerly stood a rambling old farmhouse. The living room was long and low, and on the center beam that went across the ceiling was inscribed this legend: "If you are cold, go to Hertfordshire."

This seemingly inhospitable invitation was explained by the fact that one-half of the room was in one county and one-half in the other. The fireplace was in Hertfordshire.

SHORTAGE OF CARPENTERS IN SACRAMENTO—CONSTRUCTION ACTIVE

Under stress of a very active building campaign, it is stated by Sacramento contractors there is a dearth of carpenters and a few other building trades craftsmen, which is causing some apprehension among those who are figuring on big jobs.

A. W. Norris, a contractor, stated he had been informed by his foreman there are not enough carpenters to properly handle the volume of their work.

As for the man or firm who wishes to engage a carpenter for a small job, there are said to be none available, unless the party is willing to wait until a mechanic is at liberty.

Commenting upon the building outlook with a railroad strike among the problems to consider, Norris declared Sacramento is best prepared of any city on the Coast to proceed with her building in event a walkout does occur and the rail lines are crippled.

"The lumber yards have millions of feet of lumber," said Norris. "We have our brick yards, sand, gravel, rock, and all building materials in abundance. Within a few hours we can go out and bring from San Francisco and elsewhere any material we should run short of. Sacramento is well fixed for carrying on its building operations, regardless of a strike."

Norris and some of the other contractors state the first of the year undoubtedly will see the State and other buildings started, and a big building boom generally is being talked.

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FORMULA FOR STRENGTH OF ROPE

How strong is a rope? At the Bureau of Standards laboratories in the Department of Commerce tests have been made that have resulted in answering that question with a formula.

For three-strand regular lay manila rope from ½ to 4½ inches in diameter the following computation will give the breaking load of the rope:

The average breaking load in pounds equals 5,000 multiplied by the diameter of the rope in inches, multiplied by the diameter of the rope increased by one.

This will give, of course, the average maximum weight that the rope will hold, but the working load or the load that a contractor or safe-hauler may apply with proper safety and precaution would be considerably less than the load given by the formula.

Other data on rope are contained in Technologic Paper of the Bureau of Standards No. 198, by A. H. Stang and L. R. Strickenberg, which has just been issued.

Gold was known to exist in California as far back as 1577, almost three centuries before the actual discovery.

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SAN FRANCISCO, CAL., NOVEMBER 5, 1921

Published Every Saturday
Twenty-first Year, No. 45

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560 Mission Street **San Francisco, Calif.**

Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CAL., NOVEMBER 5, 1921 — Twenty-first Year, No. 45

No. 560 Mission Street,
San Francisco, Calif.

MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Official Paper of Vallejo Builders' Exchange

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Building on Increase; Outlook for Building Industry is Bright

Building construction in San Francisco is on the increase. Activities during the month of October, just closed, indicate that construction will not enter the quiet season usually due about this time of the year, partly because of inclement weather.

Architects report prospects are plentiful and declare clients are anxious to get their projects under construction for the new year. Contractors are optimistic and are confident of a big building season.

That the San Francisco building boom, long over-due, will not be realized until about March of next year is the general opinion of architects and contractors. Until that time, it is thought, construction will proceed at a rather slow pace.

The recent announcement of the Industrial Association regarding reductions in prices of materials will not have any immediate effect on the building situation, it is thought, considering the fact that the months of November and December are not "heavy building months."

OCTOBER OPERATIONS

During the month of October the city building department reports the issuance of 672 permits, having an aggregate valuation of $2,498,523. The totals of the past month exceed those of September by $398,360, when 631 permits were granted. The total valuation of the October operations are the biggest this year, with the exception of March, when activities totaled 591 permits, representing an expenditure of $2,941,401. The feature of the October program is in the number of permits granted. Records of the building bureau show that during the month more permits were issued than for any one month since March, 1916, when 701 permits were issued, with a valuation of $2,512,328.

October operations are segregated by the building bureau as follows:

Class—	Number	Net Cost
"A"	1	$ 1,000
"C"	20	407,887
Frames	208	1,152,765
Alterations	441	385,210
Public	1	477,873
Harbor	1	73,788
Total	672	$2,498,523

COUNTY ENGINEERS TO WITNESS SEVERE HIGHWAY TESTS

In furtherance of its campaign for adequate State highways and the promotion of good roads, the California State Automobile Association has extended invitations to the county engineers of Northern California to be its guests at the Pittsburg road tests November 9 and 10. In these tests 1,371.24 feet of concrete highway, 18 feet wide, is being destroyed by 40 heavy trucks to permit of an exhaustive study of the value of various types of concrete road slabs on adobe soils and under heavy traffic. The invitations were sent out yesterday by C. C. Cottroll, manager of the Good Roads Bureau of the association.

The slabs being destroyed in the tests include both plain and reinforced concrete and vary in thickness from five to eight inches. The tests are attracting national attention, and Federal, State and county highway engineers are making observations. The Automobile Club of Southern California has extended a similar invitation to the county engineers of Southern California. The tests were inaugurated by the Columbia Steel Company.

Observation tunnels have been constructed at four points under the circular track, where automatic recording devices maintain a constant record of pavement flexure under truck loads, movement of subgrade, etc. Considerable information on the comparative value of various amounts of steel reinforcement, as compared with plain concrete slabs, may prove to be one of the results of this test, and a very interesting comparison is expected to be made between the present State highway standard concrete pavement and those of heavier design.

PETITION SEEKS TO PUT MUNICIPALLY OPERATED UTILITIES UNDER COMMISSION

A petition for a ballot title to an initiative petition having its chief purpose the amending of the Constitution of Californa by addng a new section to Article 12 to subject all municipalities, political subdivisions, district agencies owning, operating, managing or controlling property or works for supplying light, power, heat, transportation, telegraph or telephone, to the supervision of the Railroad Commission has been filed with Secretary of State Frank C. Jordan.

The instrument, in conformity with the law in such matters, is addressed to Attorney General U. S. Webb, who is asked to approve the title and summary submitted.

The petition was brought to Sacramento by H. E. Patterson of Fresno, Secretary of the San Joaquin Valley Counties' Association, who with the following other qualified voters signed the same:

C. S. Osborne Jr., editor of the Fresno Republican; Senator J. L. C. Irwin, Hanford; Ex-Senator W. F. Chandler and Senator M. B. Harris, Fresno; Senator L. L. Dennett, Modesto; Assemblyman Guy Windrem, Madera, and George T. McCabe, Secretary of the Stanislaus Board of Trade.

The amendment asked for by the initiative will be voted upon at the general election November 7, 1922, if sufficient names are obtained.

S. F. LUMBER BUSINESS IS CAUSE FOR COMMENT

The lumber industry in San Francisco is in a thriving condition, according to reports from this city published in the current dealers' edition of "Lumber," a trade weekly published at St. Louis, Mo.

The publication states: "San Francisco yards are all enjoying an improved business, building being at fever heat, following the tie-up of several months. Not only are new business buildings being rushed, but homes are springing up in all sections."

The lumber organ also declares that reports from the valley districts of Central California are that business is greatly improved, the farmers and growers beginning to realize on this year's crops. Buying is greatly improved and prospects are for a lively Winter and Spring season.

MORE ARMAMENT; LESS HOME BUILDING

(Seattle Journal of Commerce.)

The San Francisco Chamber of Commerce goes on record as unalterably opposed to a policy looking to continuation of a large armament. It urges business men everywhere to strengthen the arm of the President in his efforts to suppress international rivalry in armament building.

In addition, the San Francisco chamber attributes the decline of our foreign trade and reduced domestic consumption of manufactures to excessive taxation.

It places hope of a substantial and world-wide recovery upon the success of the armaments' conference and "urges the administration to use every effort to bring about a drastic reduction of naval and military expenditure, so that all countries and all classes may be relieved of a staggering burden which threatens some with insolvency and confiscation and all with trade stagnation and unemployment."

The San Francisco chamber arrives at the crux of our difficulties when it says that in this country the heavy taxation for unproductive purposes has begun to restrict consumption.

That this excessive burden of taxation is weighing down equally upon all industry and all business is practically without exception. Our federal surtaxes surpass, in the extent to which the rate rises, those of any nation.

In sounding the warning of approaching danger the southern chamber points accusingly at a fundamental economic ill which must be remedied before this country can expect fully to regain its industrial health.

The Observer

Additional legislation is needed to give the city of Oakland greater power over the control of building and development in city planning and residential zoning, City Attorney Leon Gray told members of the Oakland Real Estate Board at a recent meeting. Gray said that the City Council control private property only through public health. Because of the present laws, city plannig and zoning are hampered.

R. E. Hartley, assistant engineer on the Newlands reclamation project in Nevada State, has been elected superintendent of the Oakdale Irrigation District in Stanislaus County. Hartley will take up his new position on November 15.

Sir John Kennedy, 83, consulting engineer of the Montreal Harbor Commission and builder of the first double-track railroad in Canada, died in Montreal October 25.

According to a report filed with the Butte County Supervisors by Harry H. Hume, County Surveyor, $447,960 has been expended of the $1,800,000 bond issue voted two years ago to finance construction of a highway system. The county at this time has 63.98 miles of improved roads.

The S. T. Johnson Co., of San Francisco, manufacturers of oil burning equipment, has opened up a Sacramento office at Front and R streets. The company also maintains a branch in Oakland.

Reorganization and refinancing of the Coos Bay Lumber Co. at Bay Point, Contra Costa County, formerly the C. A. Smith Lumber Co., is reported on good authority to be under way and making such progress that the Smith interests will take over the properties from the hands of the receivers on or before the first of the year.

All power and light, telephone and telegraph wires in the central business section of Long Beach will be placed in conduits as a result of an agreement between the city officials and representatives of the utility companies.

The rapid strides which American industry is making throughout the Orient are evidenced by a contract awarded to the Beckman-Linden Engineering Corporation, 604 Mission street, today by a newly organized Chinese syndicate to install a steam-power plant, 20 miles of railroad and a street-lighting system at Harbin, Manchuria, China. The sum of $3,500,000 has been appropriated for the work. Formerly such work was awarded to British and German companies.

"Studies on Cooling of Fresh Concrete in Freezing Weather," by Tokujiro Yoshida, is the latest Bulletin (No. 123) issued by the Engineering Experiment Station, University of Illinois. Copies will be mailed on receipt of 30c. Address University of Illinois, Engineering Experiment Station, Urbana, Ill.

W. P. Fuller & Co. have filed complaint with the Railroad Commission against the Southern Pacific Company, alleging excessive charges on 24 carloads of fuel oil shipped from San Francisco to the company's manufacturing plant at South San Francisco, between September, 1920, and July, 1921. The complainant recites that the rate charged was 9c per 100 lbs., while the rate on other carload freight was 4c. A refund of the difference is demanded. The company states that the discrimination complained of was cured on July 11 last by an order of the Commission.

Carol Aronovici, at a salary of $100 a month, has been appointed Berkeley city planning expert.

Logging mills and even whole logging towns are being abandoned through the exhaustion of timber which could be replaced through reforestation, David T. Mason, forest engineer of Portland, Ore., told the twelfth annual convention of the Pacific Logging Congress. A policy of permanent reforestation should be established, he urged, while the supply is plentiful.

The U. S. Bureau of Standards, Washington, D. C., is issuing a preliminary report of exposure tests on specimens of stone treated with these materials. This report shows the effects of six months' exposure to the weather on the waterproofing value of 19 different treatments. It also shows the effect on the appearance when applied to light-colored stones. Copies of this report may be secured by persons interested in this subject by addressing the bureau.

Ross R. Matthews, who has been resident engineer for Sutter County at Pleasant Grove, has resigned and gone to Santa Barbara, where he has entered the service of the State Highway Commission.

As the result of a meeting of city, State and Federal authorities a statute providing for the rat-proofing of all new buildings in Oakland will be incorporated in the amended building ordinance now under consideration by the City Council.

Steps are being taken to make a permanent body of the Home Builders' Association, organized for stabilizing home building in San Francisco. The organization came into being during the recent building trades strike. New officers have been elected to serve for one year. They are: Alvin Heyman, president; C. A. Hall, vice-president, and George G. Perego, secretary-treasurer. The membership of sixty includes the leading home builders, whose aggregate business amounts to $10,000,000 annually.

A recent survey made by the Home Products and Industrial Bureau of the Sacramento Chamber of Commerce, under the direction of Secretary J. N. Reid shows Sacramento has 250 manufacturing concerns, both large and small, employing approximately 17,000 people and having a combined output last year worth $60,000,000.

Howard Carleton Holmes, civil and consulting engineer of national reputation, builder of the Ferry Building and most of the early cable railways in San Francisco, died at his home, 2584 Filbert street, October 30, after an illness of several weeks.

More than half of the 24,351,676 families in the United States in 1920 were living in rented homes, according to census enumeration results recently made public. The number of families renting their homes was 12,943,598, compared to 10,866,060 who owned their homes. Of the owned homes, 6,522,119 were free from encumbrance and 4,059,593 were encumbered, while for the remaining 285,248 the status of encumbrance was not reported.

The concrete ship "Faith," built at Redwood City during the war, was sold at New Orleans for junk. The purchase price is $5,000.

The Pacific Logging Congress, at the close of a four-day session in San Francisco, elected the following officers: President, L. T. Murray, Tacoma, Wash; vice-president, James O'Hearne, Mount Vernon, Wash; secretary-treasurer, G. M. Cornwall, Portland, Ore.; the executive committee included R. C. Richardson, Scotia, Cal.; D. E. Stewart, Knappa, Ore.; Minot Davis, Montesana, Wash.; G. G. Johnson, Vancouver, B. C.; T. P. Jones, Bovil, Idaho; E. G. Polleys, Missoula, Mont., and J. C. Dolan, Flagstaff, Ariz.

The San Francisco Builders' Exchange has adopted resolutions endorsing the movement for a main naval base at Alameda. The Exchange declares the welfare of the Nation, as well as that of California, demands that a naval base be established on the Pacific Coast.

According to Eastern railroad traffic executives, reductions in feright rates on trans-continental shipments of lumber and shingles in order to compete with traffic in these commodities through the Panama Canal will be announced shortly. More than 90% of the lumber destined for the Atlantic seaboard is finding its way through the canal, they said. The amount of the proposed reductions was not made public.

According to estimates of the State Highway Commission, highway construction now under way in California, including day labor work, approximates $14,000,000 in value and provides employment for 10,000 men.

The Fresno County Supervisors and County Surveyor Chris P. Jensen will go to Los Angeles November 7 to attend the Federal Court, at which time the litigation of the Warren Brothers vs. Fresno County will come to trial before Judge B. F. Bledsoe. The suit was brought by the Warrens against Thompson Brothers' Construction Company because of the alleged use by them of a patented top surfacing substance upon which a royalty must be paid. Fresno County was granted permission to intervene. It is contended by the Warrens that Fresno County's type A pavement is an infringement upon the patent of their corporation.

Hewitt Davenport, president of the Pacific Mill and Timber Company, recently returned from a business trip to Mexico. Davenport declares that Mexico is eagerly awaiting recognition by the United States, and that the economic, commercial and financial conditions are fast becoming normal in the southern republic.

Industrial Association Announces Price Cuts for Materials; "Frozen" Projects Will Now Go Ahead

The Industrial Association of San Francisco for several weeks past has been studying the building materials situation in an effort to bring prices down, and has held several conferences with various groups of building material manufacturers. The association is pleased to announce at this time reductions in the prices of lime, face brick, hollow tile, fire brick, common brick, roofing tile, sewer pipe, flue linings and chimney linings.

The public has for some time felt that the prices of building materials were inordinately high and that substantial reductions should be made. The Industrial Association, seeking to represent the public point of view, has pointed out to the manufacturers that, with public feeling in the matter as it existed, a healthy resumption of building conditions could not be looked for. It has strongly urged reduction in prices, even to the extent of temporary loss, upon the belief that a reduction at this time would result in the letting of contracts totaling millions of dollars now frozen up in architects' offices because investors and prospective builders were convinced that material prices were excessive and due to fall.

The letting of this work would give employment to thousands of additional workmen, would result in heavily increased sales of building materials, would relieve the acute shortage of homes, office buildings, apartments, etc., and would act generally as a spur to all lines of business.

The association has sought to convince the manufacturers that their overhead is far too high because plants are running at much below capacity, and that the increased demand inevitably following a reduction of prices would absorb overhead expense more than sufficiently to offset the cut in price.

Following are the reductions in certain building materials, all prices being F. O. B. San Francisco, unless otherwise noted:

LIME—The price of lime is cut 60c per barrel of 180 pounds, effective as of October 1. The former price was $2.75 per barrel, and the present price is $2.15 per barrel, less 5%, 10 day's net. The price of lime on January 1, 1914, was $1.50 per barrel of 200 pounds. The peak price of lime came in 1920 and was $2.75 per barrel of 180 pounds, an increase of 83%. Taking into consideration the reduced weight per barrel (this reduction of weight was made by the Federal Government to stabilize lime weights), the present prices are only 55% above 1914.

FACE BRICK—A reduction of $5.00 per thousand has been made in the price of both classes of face brick, effective as of October 1. This follows a similar reduction of $5.00 per thousand made five months ago. The new price of 2⅜-inch face brick is $50.00 per thousand. Charts prepared by the association show that on January 1, 1914, the 2⅜-inch brick sold for $34.00 per thousand. The peak price came in September, 1920, and was $60.00 per thousand, an increase of 76.5%. The present price is only 47% above the 1914 price. It was the consensus of opinion among the brick manufacturers that face brick had reached the lowest point possible until labor, fuel, electricity and freight were reduced.

HOLLOW TILE—Four-inch hollow tile is now offered at $108 per thousand, a reduction of $59.50, and 6-inch tile at $156.00 per thousand, a reduction of $69.00. The association's charts show that 4-inch tile reached a peak of 139% increase over 1914, and that the present price is only 54% over 1914. Manufacturers state that allowance should be made for the fact that, according to size, tile is now from two to eight pounds heavier per tile than in 1914.

FIRE BRICK—A reduction of $5.00 per thousand, effective as of October 1. The 1914 price was $40.00 per thousand, the 1920 peak was $65.75, an increase of 64.5%, and the present price is $55.75, which is 39.4% above 1914.

ROOFING TILE—Type used chiefly in San Francisco buildings sold for $14.00 per square, F. O. B. plant, in 1914. The peak price in 1920 was $25.00 per square. The price now has been reduced to $21.00 per square, which leaves the price at 50% over 1914.

SEWER PIPE, FLUE LININGS AND CHIMNEY LININGS—A reduction of 5%, effective October 1. Twelve-inch sewer pipe was $0.364 per foot in 1914 and rose to $0.756 in 1920, an increase of 108%. The present price is $0.617, which is 69% above 1914. Comparisons on the other two items are not available at this time.

COMMON BRICK—A reduction of $1.00 per thousand, effective as of October 1. The present price of brick is $15.50 per thousand, and the reduction of October is the second put into effect by the brick manufacturers. The present price compares with the price of $7.50 per thousand in 1914, which rose to the peak of $18.00 in 1920. The present price is approximately 106% more than the price in 1914 and represents a drop of 14% from the peak price, which was 140% over 1914.

LUMBER—The association's analysis of lumber prices shows that on random cargo lots of merchantable fir the present price is approximately 53% more than the price in 1914, with the retail price approximately 41% more than 1914 figures. This class of lumber represents ordinarily from 80% to 85% of the soft wood lumber that is shipped into San Francisco. Prices on other classes of lumber are fluctuating so rapidly it is difficult to give any comparative figures.

The association has not examined the prices of many commodities which enter into the cost of building, but which are largely manufactured in the East, and which are not competitive in the local market. Some of these items which are of considerable importance are cast-iron pipe, structural steel, reinforcing steel and similar metallic products. In practically all of these commodities quoted prices in San Francisco consist of the base price at the point of manufacture plus the freight.

Conferences have now been held with all building material interests that have any control over local prices, and it is asserted by the manufacturers that no reductions other than those announced above are possible.

In considering these reduction, and especially the percentage comparisons with 1914, the public should bear in mind that the figures of the United States Bureau of Labor Statistics show all commodities to be now 48% above 1914. Of the basic commodities covered by the statistics of the United States Department of Labor many are far above the general average of the 48% increase, therefore the prices of building materials can only be expected to approach this new low level of prices established as a result of post-war conditions.

It is also fair to add that in the manufacture of building materials the four big cost items consist of oil, labor, freight and power. In some building commodities, oil, which is the prevailing fuel, comprises from 20% to as high as 35% of the cost of the commodity. Oil, labor, freight and power range from 50% to 150% higher than in 1914.

Chart Summary of Price Reductions and Comparisons:

Item.	Unit.	1914 Price	1920 Peak	% Inc. 1920 over 1914	Present 1921 Price	% Decrease from Peak	% Inc. over 1914
Lime (1)	bbl.	$1.50	$ 2.75	83	$ 2.15	21.8	43
Face Brick	M	34.00	60.00	76.5	50.00	16.6	47
Hollow Tile 4" (2)	M	70.00	167.50	139	108.00*	35.6	54
" " 6" (2)	M	90.00	225.00	150	156.00*	30.6	73.3
Fire Brick	M	40.00	65.75	64.5	55.75*	15.2	39.4
Roofing Tile	Sq	14.00	25.00	78.6	21.00	16.00	50
Sewer Pipe, 12"	Ft	.364	.756	110	.617	18.3	69
Common Brick	M	7.50	18.00	140	15.50	14.0	106

(1) Content of barrel changed from 200 lbs. Net to 180 lbs. Net 1917.
(2) Present tile heavier than 1914 product.
* Two reductions made since peak.

BLUMENTHAL COMPANY CLOSES A DEAL FOR TEN-STORY APARTMENT HOUSE

By a deal consummated this week, A. C. Blumenthal & Co. announce that they have purchased for the account of A. C. Blumenthal and associates the southeast corner of Sacramento and Powell streets, being the lot immediately opposite the Fairmont Hotel and adjoining the Wilson-Martin Apartment house at 840 Powell street.

This lot was purchased by Mr. Blumenthal for the purpose of immediately erecting a ten-story apartment-house building, to cost in the neighborhood of $400,000.

Plans are now being prepared and construction is to commence within the next three months. The building will be class "A," of steel and concrete, and will contain about 20 apartments, all of which will have a beautiful marine view.

By the construction of this building this entire block will be filled up. No expense will be spared to make this the last word in apartment-house construction, and every modern convenience known to the apartment house, especially those recently built in the East, will be installed.

The apartments will be divided into units of from five to ten rooms.

Every effort will be made to rush plans and construction so that the building will be ready for occupancy within the next ten months.

The total investment will represent about one-half million dollars.

Building News Section

APARTMENT HOUSES

Preliminary Plans Being Prepared.
APARTMENT HOUSE Cost, $60,000
OAKLAND, Cal. Grand Ave. and State Street. Three-story frame and plaster apartment house.
Owner—Mr. Dorch.
Architect—Jas. T. Narbett, Easton Bldg., Oakland.

Sub-Figures Being Taken—To Be Done By Day's Work.
APARTMENTS Cost, $20,000
SAN FRANCISCO. S. Washington St. W. Van Ness Ave.
Three-story frame and plaster apartment house (six 4-room apts.).
Owner—Withheld.
Architect—W. C. Falch, Hearst Bldg., San Francisco.

Complete List of Bids.
APARTMENTS Cost, $23,339
OAKLAND. NW Lake Park and Wesley.
Two-story frame and plaster apartments.
Owner—H. R. Hewelcke, 216 Pine St.
Architect—C. A. Tantau, 251 Kearny St., San Francisco.
Low Bidder—Lawton & Vezey, Plaza Bldg., Oakland, and Call Bldg., San Francisco.

General Construction

Lawton & Vezey	$23,339
J. M. Bartlett	24,200
W. G. Thornally	24,600
Fred Westlund	24,670
S. G. Jackson	25,200

Plumbing

Lawton & Vezey	$ 990
W. G. Thornally	1000
Fred Westlund	1055
S. G. Jackson	1100
J. M. Bartlett	1100

Contract Awarded.
APARTMENTS Cost, $10,000
OAKLAND, Cal. N. Adeline St. 180 W. Gaskell.
Two-story 16-room frame apartments.
Owner—C. F. Penther, 1016 Adeline St., Oakland.
Architect—Not given.
Contractor—Jensen & Petersen, 3411 Adeline St., Oakland.

Ready For Figures In About A Week.
APARTMENTS Cost, $12,000
OAKLAND, Alameda Co., Cal. Lakeshore Ave.
Two-story frame and plaster apartments (4 apts).
Owner—Joseph Sinai.
Architect—Jas. T. Narbett, Syndicate Bldg., Oakland.

OAKLAND, Cal.—The following bids were received on October 27th by the City Clerk of Oakland for alterations and renewal of 1st floor in firehouse No. 3 in West 8th St. bet. Campbell and Willow Sts. and for installing new stall urinals in men's toilet rooms, 1st floor, City Hall:

Firehouse No. 3

R. E. Sheridan	$1068
Schnebly & Hostrawser	1086

City Hall Alterations

Scott Co.	$1098
W. H. Graham	1113

BANKS

Plans To Be Prepared.
REMODELING Cost, $100,000
SACRAMENTO. Corner 6th and "K" Streets.
Remodel for banking quarters.
Bank of Italy.
Architect—Not selected.

Contract Awarded.
ALTERATIONS Cost, $20,000
SAN FRANCISCO. N. Market W. 3rd Street.
Extensive alterations to banking rooms.
Owner—Bank of Italy.
Architect—C. E. Gottschalk, Phelan Bldg.
Contractor—Grace & Bernieri, Claus Spreckels Bldg.

BONDS

BAKERSFIELD, Kern Co., Cal.—An election will be held Nov. 18 in South Fork Union School Dist. to vote bonds of $20,000 to finance school improvements. Trustees of the district are: L. G. Robertson, Mrs. Chas. S. Powers, A. J. Alexander, Robert Palmer, Mrs. Estelle Barbeau.

PIEDMONT, Contra Costa Co., Cal.—Nov. 15 is date set by City Trustees to vote bonds of $50,000 for the purchase of Piedmont Park.

PIEDMONT, Alameda Co., Cal.—Nov. 15 is date set by City Trustees to vote bonds of $65,000 to finance construction of an outlet sewer from Piedmont to the estuary.

SACRAMENTO, Cal.—State Highway bonds totaling $5,000,000 sold by State Treasurer for a premium of $476,000.

WILLOWS, Glenn Co., Cal.—Supervisors sell $109,000 bond issue of Willows Union School District; the total bond issue was $160,000. Fifty-one of the bonds were sold last Spring. This issue is for the erection of the new grammar school which was started about three months ago. W. H. Weeks, 369 Pine St., San Francisco, is the architect.

FRESNO, Fresno Co., Cal.—Supervisors sell $11,000 bond issue of Roosevelt School District; proceeds of the sale to finance school improvements.

VALLEJO, Solano Co., Cal.—Bonds of $10,000 voted in Hunter School District; proceeds of sale to finance construction of two school buildings, estimated to cost $5,000 each.

AUBURN, Placer Co., Cal.—Placer County Chamber of Commerce appoints committee to plan campaign urging election to vote bonds of $1,500,000 to finance construction of a county highway system.

RICHMOND, Contra Costa Co., Cal.—City Council sell $150,000 worth of harbor bonds; proceeds of sale to finance harbor improvements. H. D. Chapman, City Engineer.

SAN FRANCISCO.—Anglo-California Trust Co. purchases $1,456,000 worth of school bonds, issue of 1918.

SANTA ROSA, Sonoma Co., Cal.—President of Board of Education, Hillard Comstock, proposes bond election to finance construction of new school buildings.

OROVILLE, Butte Co., Cal.—Supervisors are considering the offer of First National Bank of Chico, acting for client, to purchase unsold good roads bonds voted in 1919, for par and accrued interest. Harry H. Hume is County Road Engineer.

JACKSON, Amador Co., Cal.—Chamber of Commerce directing campaign urging bond election to finance construction of a good roads system throughout the county.

CHURCHES

Contract Awarded.
CHURCH BLDG. $12,000
SAN FRANCISCO. N Ocean Ave., 162 W Mission.
One-story frame church.
Owner—Ocean Avenue Presbyterian Church, 4609 Mission St.
Architect—Miss Julia Morgan, Merchants Ex. Bldg., S. F.
Contractor—Robert J. Cairns, 100 Conrad St.

Working Drawings Being Completed.
CHURCH Cost, $——
OAKLAND. NW 41st and Filbert Sts.
One-story frame and plaster church.
Owner—Sixth Church of Christ, Scientist.
Architect — W. E. Milwain, Albany Bldg., Oakland.

Permit Applied For—Sub-figures To Be Taken.
CHURCH Cost, $50,000
SAN FRANCISCO. Ingleside Terrace.
One and two-story frame and stucco church (gymnasium, Ladies' Aid rooms, etc.).
Owner—Ingleside Community Church.
Architect and Contractor — Jos. A. Leonard, Phelan Bldg., S. F.

FACTORIES & WAREHOUSES

Low Bidder.
FACTORY BLDG. Cost, ——
SAN FRANCISCO. N Howard W 1st.
Two-story reinforced concrete Class "C" factory bldg., 50x82.
Owner—Louis R. Lurie.
Lessee—Harper-Pierce Co.
Architect—O'Brien Bros., 240 Montgomery St.
Low Bidder—Barrett & Hip, 918 Harrison St.

Contract Awarded.
BARN-STABLE Cost, $16,000
OAKLAND. W. Telegraph Ave., 500 S. 55th St.
One-story brick barn and stable.
Owner—Central Shuey Creamery Co., 12th and Jefferson Sts., Oakland.
Architect—None.
Contractor—B. H. Schmidt, 2237 E.-19th St., Oakland.

Contract Awarded on a Percentage Basis.
LOFT BUILDING Cost, $——
SAN FRANCISCO. W 1st St., 50 S Mission.
Four-story and basement Class "B" reinforced concrete loft building.
Owner—Luke Fay.
Architect—O'Brien Bros., 240 Montgomery St.
Contractor—Wm. Martin, 180 Jessie St., San Francisco.
Sub-figures are being taken by the contractor and architects.

Contract Awarded.
STORAGE WHSE., ETC. Cost, $——
PASADENA, Los Angeles Co., Cal.
Six-story and basement Class "A" reinforced concrete storage warehouse and 1-story garage.
Owner—Pasadena Transfer and Storage Co.
Architect—John C. Austin, Baker-Detwiler Bldg., Los Angeles.
Contractor — John F. Blee, Stimson Bldg., Los Angeles.
Contract for the freight elevator will be let separately.

Plans Being Prepared. Permit Applied For.
FACTORY, ETC. Cost, $14,750
OAKLAND. Western Waterfront.
Two-story factory, one-story concrete boiler-house and concrete tank foundation.
Owner—American Petroleum Co., 343 Sansome St., San Francisco.
Architect — Carl Werner, Humboldt Bank Bldg., San Francisco.
Contractor—Hannah Bros., 142 Sansome St.

Contracts Awarded.
FACTORY BLDG. Cost, $37,500
SAN FRANCISCO. N. Howard, W. First
Two-story reinforced concrete class "C" factory building, 50x82.
Owner—Louis R. Lurie.
Lessee—Harper-Pierce Co.
Architect—O'Brien Bros., 240 Montgomery St.
Contractors—Barrett & Hilp, 918 Harrison St.
Elevator contract awarded to Van Emon Elevator Co.

Contract Awarded.
FACTORY Cost, $49,000
OAKLAND. E.-10th St. and 41st Ave.
Three-story steel frame factory.
Owner—National Lead Co., 485 California St., San Francisco.
Architect—Not named.
Contractor—Cahill Vensano Co., 110 Sutter St., San Francisco.

Contract To Be Awarded Next Week.
WAREHOUSE Cost, $200,000
SACRAMENTO, Cal. L St., between Sixth and Seventh Sts.
Five-story brick and mill construction with steel sash warehouse, 160x160 (2 elevators, sprinkler system, heating system, etc.).
Owner—John Breuner Co.
Architect—Jens C. Petersen, People's Savings Bank Bldg., Sacramento.
Geo. D. Hudnutt, California Fruit Exchange Bldg., Sacramento, submitted lowest bid at approximately $200,000.

Contractor Taking Sub-Figures.
FREIGHT SHED Cost, $62,000
SAN JOSE, Santa Clara Co., Cal. East San Jose.
One-story concrete freight shed, 400x100.
Owner—Western Pacific Railway Co.
Architect—Engineering Dept. of owner.
Contractor — Unit Construction Co., Phelan Bldg.

Contractor Taking Sub-Figures.
AUTO PLATFORM Cost, $17,000
SAN JOSE, Santa Clara Co., Cal. East San Jose.
Automobile platform (timber construction).
Owner—Western Pacific Railroad Co.
Architect—Engineering Dept. of owner.
Contractor — Unit Construction Co., Phelan Bldg., San Francisco.

Contractor Taking Sub-Figures.
DEPOT Cost, $48,000
SAN JOSE, Santa Clara Co., Cal.
One-story frame and plaster depot.
Owner—Western Pacific Railroad.
Architect—Engineering Dept. of owner.
Contractor — Unit Construction Co., Phelan Bldg.
Construction will be started next week.

VALLEJO, Solano Co., Cal.—A warehouse, 80x110, costing $3500, will be erected in York St. by Lieut. of Police J. P. Scully. The building will be leased to The Solano Produce Co. of Vallejo.

SANTA ROSA, Sonoma Co., Cal.—J. E. Bramwell, representing the Sympho Cinema Syndicate, with studios at Niles and others under construction in Oakland, has been in Santa Rosa with officials of the company seeking a site for a studio in that section.

RICHMOND, Contra Costa Co., Cal.—Until Nov. 21, 8 p. m., bids will be received by A. C. Faris, City Clerk, for constructing super-structure of wharf-shed adjoining municipal wharf No. 1. **See call for bids under official proposal column in this issue.**

FIREHOUSES AND JAILS

ONTARIO, San Bernardino, Co., Cal.—Until 5 p. m., Nov. 14, bids will be received by City Trustees for erecting two-story brick fire engine station, 52x126 ft., at Euclid and Transit Sts. Plans and specifications may be obtained from City Clerk. Certified check for 10% required. D. B. Wynne, Cnty Clerk.

FLATS

Plans Being Prepared.
ALTERATIONS Cost, $7,500
OAKLAND. 31st St., near Telegraph Ave.
Alter two-story and basement frame residence into three flats (one 5-room and two 3-room).
Owner—Name withheld.
Architect—Albert Fabre, 110 Sutter St., San Francisco.

Owner to Take Figures.
FLATS Cost, $9000 each
SAN FRANCISCO. 15th St. bet. Balboa and Cabrillo.
Two 2-story and basement frame flats (two 6-room flats each).
Owner—O. N. Fitzgerald, 617 15th Ave.
Architect—Albert Fabre, 110 Sutter St.

Plans Being Prepared.
FLAT BLDG. Cost, $16,000
SAN FRANCISCO. Filbert St. near Larkin.
Two-story frame and plaster, flat bldg. (four 4-room flats).
Owner—Name withheld.
Architect — Walter C. Falch, Hearst Bldg., San Francisco.
Plans will be ready for sub-figures in about two weeks. Work will be done by day labor.

GARAGES

Plans Being Figured.
GARAGE Cost, $20,000
SAN FRANCISCO 11th Ave. and Geary St.
One and 2-story reinforced concrete garage.
Owner—Jacob Wiseman.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Figures are being taken for a general contract.

Sub-figures Being Taken.
BUILDING Cost, $25,000
OAKLAND. 4th and Broadway.
One-story class "C" reinforced concrete shop and garage.
Owner—Bezonni Estate.
Engineer—R. Vane Woods, 602 Federal Realty Bldg., Oakland.
Contractor—Henry J. Christenson, Federal Realty Bldg., Oakland.

Plans To Be Figured Shortly.
COM. GARAGE Cost, $40,000
SAN FRANCISCO. W. Jones 75 N O'Farrell St.
One-story and basement reinforced concrete commercial garage.
Owner—R. W. Kern.
Architect—O'Brien Bros., 240 Montgomery St.

MANTECA, San Joaquin Co., Cal.—Ubel & Van Till of Ripon, at $1,690, awarded contract by South San Joaquin Irrigation District to construct corrugated iron garage.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bids will be received until Nov. 17, 1921, by the U. S. Treasury Department, Supervising Architect's Office, Washington, D. C., for furnishing sterilizing equipment for the U. S. P. H. S. Hospital, Walla, Walla, Wash. **For further particulars, see call for bids under Official Proposal column.**

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, completes Specification No. 4545 for installation of steel shelving, counters, bins and wire partitions at San Diego naval base. Plans may be obtained from the bureau on deposit of $10. The date for opening bids has not been set as yet.

Painting, Etc.—Bureau of Yards and Docks, Navy Department, Washington. —Bids are wanted until November 23, specification 4547, for painting buildings and water tank at San Diego, Calif. For information address above.

Radio Tower—Bureau of Yards and Docks, Navy Department, Washington. —Bids are wanted until November 23, specification 4538, for constructing 200 feet radio tower at Keyport, Wash. Deposit for plans, $10. For information address above.

Radio Tower—Bureau of Yards and Docks, Navy Department, Washington. —Bids are wanted until November 23, specification 4533, for constructing 300 feet radio tower at Eureka, Calif. Deposit for plans, $10. For information address above.

LOS ANGELES, Cal.—The L. A. Union Terminal Co. has closed a lease with the United States Postoffice Department for the establishment of a terminal postoffice at the southeast corner of Third street and Central avenue, in Los Angeles. The lease provides for the erection of a two-story class "A" building, 300x250 feet in size. It will be designed to carry four additional stories.

WASHINGTON, D. C. — Bureau of Yards and Docks, Navy Department, completes Specification No. 4526 for installation of street lighting and fire alarm systems at San Diego naval

base. While bids for the work have not yet been asked, plans will be furnished prospective bidders on deposit of $10.

WASHINGTON, D. C.—The contract for the installation of sewage ejector in the United States public building at Stockton, Cal., has been awarded to George E. Wright, Chicago, at $3,380; time for completion, 120 days.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 8965, for Mare Island, 3,800 gallons varnish, Nov. 22.

Schedule 8971, for Mare Island, 768 bronze rim night latches, Nov. 22.

Schedule 8972, for Mare Island, 2,105 padlocks, Nov. 22.

Schedule 8973, for Mare Island, 71,000 pounds sheet and bar steel, Nov. 22.

Schedule 8975, for Mare Island, 4,000 gallons turpentine, Nov. 22.

Schedule 8978, for Mare Island and Puget Sound, 3,700 pounds naval rolled brass bar; for Mare Island and Puget Sound, 5,185 pounds naval rolled brass plate, Nov. 22.

Schedule 8981, for navy yard, Mare Island, 30 water-tight single stroke bells, 6 in gong, 125 volts, and 2,000 link fuses; also 8,100 fuse elements, Nov. 22.

Schedule 8982, for Eastern and Western navy yards, miscellaneous hardware and tools, Nov. 29.

Schedule 8983, for various navy yards, steel rivets, Nov. 22.

WASHINGTON, D. C.—The following bids were received at the Bureau of Yards and Docks, Navy Department, October 26, for boiler plant equipment, naval base, San Diego, Cal., under Specification 4494:

Item 1, entire work; 2, add to or deduct from item 1 on alternative A.

John W. Danforth, 72 Ellicott St., Buffalo, N. Y., item 1, $53,751, 180 days; 2, deduct $165; alternate, item 1, $52,751.

G. E. Engineering Co., 449 W.-42nd St., New York city, item 1, $52,876, 180 days; 2, deduct $100.

Carroll Electric Co., 714 12th St., N. W. Washington, item 1, $507.50, 180 days.

W. E. Keer Construction and Wm. Simpson Construction Co., Marsh Strong Bldg., Los Angeles, Cal., item 1, $49,095, 180 days; 2, deduct $1,300.

WASHINGTON, D. C.—The date of opening bids for Specification No. 4489, for remodeling Barracks Building, No. 53, at the Marine Reservation, Navy Yard, Mare Island, Cal., has been extended from November 2d to November 9th. They are being received by the Bureau of Yards and Docks in Washington.

SEATTLE, Wash.—Until Nov. 14, 11 a. m., under Circular 530, bids will be received by Alaskan Engineering Commission, 422 Bell Street Terminal, for furnishing and delivering channels, clamp connection bars, tension rods and castings. Copies of specifications may be seen at San Francisco office of Commission, 305 Customhouse.

HALLS AND SOCIETY BUILDINGS

Completing Plans.
BUILDINGS $——
LOS ANGELES, Cal. Boyle Ave.
Two 2-story and basement class "A" buildings (dormitory 60x150 and refectory 50x120).
Owner—Hollenbeck Home.
Architect—Morgan, Walls & Morgan, Van Nuys Bldg., Los Angeles.

TURLOCK, Stanislaus Co., Cal.—Moose Lodge of Turlock has purchased site in North Center street, on which it proposes to erect a lodge building.

HOSPITALS

Plans Being Prepared.
HOSPITAL BLDG. Cost, $500,000
SACRAMENTO. "L" St. between 28th and 29th Sts.
Class "A" hospital building.
Owner—Sutter Hospital Assn.
Architect—Frederick H. Meyer, Bankers Inv. Bldg., San Francisco.
The directorate of the Sutter Hospital is composed of Dr. George A. Spencer, president; Dr. W. A. Beattie, first vice-president; Dr. George A. Briggs, second vice-president; Dr. E. P. Rullison, treasurer, and Dr. J. W. James, secretary.

Construction To Start Immediately.
HOSPITAL Cost, $200,000
FRESNO, Fresno Co., Cal. Kearny Blvd., "A" and Merced Sts.
One and two-story hollow cement brick hospital (first unit, $75,000).
Owner—Union Hospital Assn.; president, W. C. Adkins.
Architect—Glass & Butner, Cory Bldg., Fresno.
Supt. of Construction—J. W. Sanford.

LONG BEACH, Los Angeles Co., Cal.—C. T. McGrew & Son, 1345 W. Ocean Blvd., Long Beach, were the lowest bidders at $66,992 for erecting a two-story addition to the Seaside Hospital, Long Beach. Bids for heating, wiring, painting and refrigeration are in and will be opened separately. Other bids: J. W. Davison, $73,985; J. D. Sherer, $74,775; Foundation Co., $81,000; Lange & Bergstrom, $84,700; Charles E. Rowe, $90,000. Concrete foundation and cement cellar, 40x100 feet, brick walls, plaster exterior, semi-fireproof interior trimmings. W. Horace Austin, 222 First National Bank Bldg., Los Angeles, is the architect.

FRESNO, FRESNO Co., Cal.—D. H. Williams, Inc., Fresno, awarded contract by Supervisors to furnish and lay 1,014 sq. yds. of linoleum in the County Hospital at $2.49 a yd. Berg Furniture Co. submitted the lowest bid, but it was not considered, due to failure to have certified check.

RENO, Nevada—Roush & Belz, 701 S. Center St., Reno, at $24,257, awarded contract by Washoe County Commissioners for constructing Isolation Hospital, from plans of Architects Geo. A. Ferris & Son, Reno. Other bids were: Howard S. Williams, Golden Hotel, Reno, (1) $28,844, (2) $27,742; W. G. McGinty & Sons, 2505 Keith Ave., Berkeley, Cal., (1) $27,817; (2) $26,342; J. C. Dillard, (1) $26,100, (2) $24,710; T. J. Rees, Fallon, Nevada, (1) $26,569, (2) $25,802. Architect's estimate, $24,756.

HOTELS

Plans Being Prepared.
HOTEL Cost, $——
PITTSBURG, Contra Costa Co., Cal. Cumberland and Third.
Two-story brick hotel, 40x80.
Owner—John Allasia, Pittsburg.
Architect—Not given.

Completing Working Drawings.
HOTEL Cost, $500,000
GLENDALE, Los Angeles Co. NE Glendale Ave. and Broadway.
Six-story reinforced concrete hotel.
Owner—Ambrosini Hotel Co.
Architect—Roy L. Kent Co., 130 S Brand Blvd., Glendale, Cal.
The excavation has been started.

Plans being prepared.
HOTEL Cost, $400,000
LONG BEACH, Los Angeles Co. SW Cedar Ave. and Broadway.
Seven-story class "A" hotel, 50x160.
Owner—Omar H. Hubbard, 1250 E. Ocean Blvd., Long Beach.
Architect—John & Donald Parkinson, 420 Title Insurance Blvd., L. A.

Plans Being Prepared.
ADDITION Cost, $40,000
BERKELEY. Shattuck Ave. and Allston Way.
Two-story reinforced concrete addition in rear of hotel.
Owner—Hotel Whitecotton (W. W. Whitecotton).
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Plans will be ready for figures in about ten days.

PLACERVILLE, El Dorado Co., Cal.—Site has been secured by the Placerville Merchants' Association for a forest lodge for the United Traveling Men's Association of California. Site is near the Thirty-Nine Mile Stone on the road to Lake Tahoe. According to C. E. Knapp, a Placerville member of the Association, construction on the lodge will be started early next year.

POWER PLANTS

SAN FRANCISCO—The State Railroad Commission authorizes Western States Gas and Electric Company to proceed with the construction of a hydro-electric power plant on the south fork of the American River and to enlarge its existing plant. The plans of the company call for the development of storage reservoirs on tributaries of the American River and the construction ten miles above its present plant of a new hydro-electric plant with an ultimate capacity of 100,000 horse-power. The additional water resources to be developed will be available to increase the capacity of the company's present plant to approximately 56,000 horse-power.

HEMET, Riverside Co., Cal.—W. S. Post, consulting engineer, Central Bldg., Los Angeles, and Engineer F. W. Stetson of Hemet are making surveys for proposed hydro-electric development by Lake Hemet Water Co. on San Jacinto watershed.

CARSON CITY, Nevada.—The Southern California Edison Company's application for the diversion, storage and use of the waters of the Colorado River, filed here, outlines an expenditure of $50,000,000, the storage of 12,731,000 acre-feet of water and use of 18,000 second-feet of waterpower energy. One dam is to be constructed at Bullshead Rock, about twelve miles above Mohave City, to back up the Colorado River sixty-six miles to the vicinity of a second dam at Boulder Canyon, near Las Vegas. The Boulder Canyon dam is planned to back up the river forty-two miles.

PUBLIC BUILDINGS

BERKELEY, Alameda Co., Cal.—Council, E. M. Hann, City Clerk, appropriates $1,000 to finance construction of a field house in the James Kenney Park.

MADERA, Madera Co., Cal.—Bids of Fisher and McNulty, Fresno, at $18,-612, and Brown and Stafford, Madera, at $19,470, retained by City Trustees and other bids rejected for construction of fire house and city hall from plans of Architects Swartz and Ryland, Rowell Bldg., Fresno. Other bids for general construction were: John Hoffman, Madera, $21,154; J. B. Hart, Fresno, $22,545; Collman and Spiedel, San Francisco, $21,850; Barkelew and Gould, Tulare, $23,535.

Bid of Stephenson & Co., Madera, at $2,056, for plumbing and heating also taken under advisement. Only other bidder was Newman & Co., Fresno, $2,219. Architect's estimate for construction, $22,000.

MADERA, Madera Co., Cal.—Bids received for general construction, heating and plumbing, for proposed fire house and city hall building have been rejected and new bids ordered received up to Nov. 15, 5 p. m. Swartz & Ryland, Rowell Bldg., Fresno, architects. **See call for bids under official proposal column in this issue.**

RESIDENCES

Figures Being Taken for Plumbing, Heating, Plastering, Etc.
RESIDENCE, ETC. Cost, $17,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame, plaster and brick residence, 11 rooms and garage.
Owner—Dudley Dexter.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Figures are being taken on the brick work, plumbing, heating, electrical, wiring, and fixtures, plastering, hardwood floors, wall paper, etc.
The general contract has been awarded to H. M. Frostholm, 877 Lakeshore Ave., Oakland, at $8775.

Plans Being Figured.
RESIDENCE, ETC. Cost, $30,000
SAN FRANCISCO. N. Jackson 137-6 W. Spruce.
Two-story and basement frame and stucco residence and garage (14 rooms and 4 bathrooms).
Owner—Misses Butler.
Architect—Lewis P. Hobart, Crocker Bldg.
Figures are being taken separately for a general contract, plumbing, painting, and elevator.

Contract Awarded.
RESIDENCE Cost, $15,500
SAN FRANCISCO. N Filbert, 108 W Divisadero.
Three-story and basement frame residence.
Owner—Milton H. Crowe, 1742 Jones St.
Architect—Lewis M. Gardner, 942 Pine.
Contractor—Cameron & Disston, Hearst Bldg.

Contract Awarded.
ADDITIONS Cost, $10,000
SAN FRANCISCO. 2998 Pacific Ave.
Alterations and additions to residence (metal, lath and plaster exterior, interior alterations, etc.)
Owner—D. H. Steiner.
Architect—Bernard J. Joseph, New Call Bldg.
Contractor—J. Harold Johnson, 180 Jessie St.

Contract Awarded.
HOUSE, ETC. Cost, $50,000
LOS ANGELES. Wilshire Blvd and St. Andrew Place
Three-story brick parish house, 50x113 (Sunday school, auditorium, classrooms, gymnasium, etc.).
Owner—St. James Episcopal Church.
Architect—Benj. G. McDongall, Alta Bldg., San Francisco.
Supervising architect—John & Donald B. Parkinson, 420 Title Ins. Bldg., Los Angeles.
Contractor—May & Grimwood, Inc., Haas Bldg., Los Angeles.

SCHOOLS

Contract Awarded.
GYMNASIUM Cost, $33,451.55
TRACY, San Joaquin Co., Cal.
One-story reinforced concrete gymnasium building.
Owner—West Side Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—O. C. Holt, Turlock, Cal.
Electric work was awarded to M. E. Ryan, Clunie Bldg., San Francisco and Redwood City.

Plans Being Figured—Bids Close Nov. 12, 1:30 p. m.
SCHOOL BLDG. Cost, $——
BLOOMFIELD, Sonoma Co., Cal. Construction of school building.
Owner—Bloomfield School District; Joseph W. Salz, Clerk.
Architect—Not given.
Cert. check 10% payable to District required with each bid. Plans may be had from County Supt. of Schools at Santa Rosa on deposit of $5, returnable.

Bids Opened.
SCHOOL BLDG. Cost, $——
REDWOOD VALLEY, Mendocino ,Co. Cal.
One-story reinforced concrete (2 rooms and auditorium) school building.
Owner—Redwood Valley Elementary School District, Alex Kauhanen, Clerk, Redwood Valley, Cal.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Myrl R. Crane, 74 Miramar Ave., San Francisco $18,900
John Morton, San Francisco.... 23,500

Plans Being Figured. Bids Close Nov. 14th, 8 p. m.
BUILDING Cost, $60,000
RICHMOND, Contra Costa Co. High School site.
Two-story and basement concrete hollow tile Domestic Science Bldg.
Owner—Richmond Union High School District, W. T. Helms, secretary.
Architect—James T. Narbett, 906 Macdonald Ave., Richmond, Cal.
See call for bids under Official Proposal column in this issue.

Plan To Call Bids This Week.
SCHOOL ETC. Cost, $——
HAYWARD, Alameda Co., Cal.
Two-story reinforced concrete school, 10 rooms and an auditorium.
Owner — Hayward Grammar School District.
Architect—Henry C. Smith, Humboldt Bank Bldg.

Plans being prepared.
BUILDINGS Cost, $——
SAN BERNARDINO, Cal.
Two-story brick and concrete parochial school (8 classrooms and an auditorium).
Owner—Bishop of Monterey.
Architect—Albert C. Martin, 430 Higgins Bldg., Los Angeles.

Plans Being Figured.
Bids Close Nov. 21, 1921, 3:30 p. m.
BUILDING Cost, $——
CHARTER OAK, Los Angeles Co., Cal.
Seven-room reinforced concrete school building.
Owner—Charter Oak School District.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.
Bids will be taken separately on the general work, plumbing, heating, painting and electric wiring.

Plans Being Figured.
Bids Close Nov. 12, 1921, 8 p. m.
BUILDING Cost, $——
OXNARD, Ventura Co., Cal.
One-story brick and hollow tile gymnasium building, 45x115.
Owner—Oxnard Union High School District.
Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.
Separate bids will be received for the general work, plumbing and gas fitting and heating.

General Contract Awarded.
SCHOOL BLDG. Cost, $140,000 apprx.
NAPA, Napa Co., Cal.
One and two-story reinforced concrete and brick school building (John Shearer Grammar School).
Owner—Napa School District, Howard E. Roper, Clerk, Napa, Cal.
Architect—W. H. Weeks, 369 Pine St., San Francisco, Cal.
Contractors—Larsen & Siegrist, Claus Spreckels Bldg., San Francisco.
The contract was awarded on Propositions 3, 5, 6 and 7, making a total of approximately $140,000.
Contracts on the heating and ventilating, vacuum cleaning plant and program clocks, etc., will be awarded shortly.

Plans Being Prepared.
BUILDINGS Cost, $225,000
GLENDORA, Los Angeles Co., Cal.
Site between Azusa and Glendora.
Group of high school buildings.
Owner—Citrus Union High School District.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, and W. Horace Austin, Long Beach.

Preliminary Plans Being Prepared.
SCHOOL-AUDITORIUM Cost, $——
LOS ANGELES, Cal. Melrose Ave.
Two-story and basement concrete and brick Bible school and a one-story and basement auditorium.
Owner—Methodist Episcopal Church.
Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans Being Figured.
SCHOOL Cost, $165,000
SACRAMENTO, Cal. Highland Park. Twenty-fourth Street between Castro Way and Fourth Avenue.
Two-story concrete and brick school with roof.
Owner—Sacramento Board of Education.
Architects — Hemmings-Petersen-Hudnutt, Architectural & Engineering Commission, Library Bldg., 9th and L Sts., Sacramento.

Plans Being Figured—Bids Close November 28, 1921, 7:30 P. M.
SCHOOL BLDG. Cost, $270,000
SACRAMENTO. Stanford School on Fourth Avenue, Sacramento Blvd. and Thirty-eighth St.
Two-story concrete brick school with tile roof.
Owner—Sacramento Board of Education.
Architects — Hemmings-Petersen-Hudnutt, Architectural & Engineering Commission, Library Bldg., 9th and L Sts., Sacramento.
See call for bids under official proposal column.

Contract Awarded.
SCHOOL Cost, $79,777
MAXWELL, Colusa Co., Cal.
Two-story brick, concrete or tile school.
Owner — Maxwell Union High School District.
Architects—Woollett & Lamb, Hagelstein Bldg., Sacramento.
Contractors—Larsen & Siegrist, Claus Spreckels Bldg., San Francisco.

BERKELEY, Cal.—The Standard Electric Construction Co., 80 Natoma St., San Francisco, has been awarded a contract by the University of California for the electrical work in connection with the construction of the Students' Union Building in the campus in Berkeley. Contract price, $6,214. Plans were prepared by Architect John Galen Howard, First National Bank Bldg., San Francisco.

SAN FRANCISCO.—Board of Supervisors has authorized the Board of Public Works to enter into contracts for constructing the Pacific Heights school in the north side of Jackson St. between Webster and Fillmore and the Horace Mann school in the east side of Valencia St. bet. 23rd and 24th Sts

CHICO, Butte Co., Cal.—Arthur Hudson, Chico, awarded contract to grade high school grounds. Bid submitted, approx. $11,000. Woollett & Lamb, Hagelstein Bldg., Sacramento, architects.

BERKELEY, Alameda Co., Cal.—Until Nov. 15, 4 p. m., bids will be received by Clyde Blanchard, Acting Secretary, Board of Education, 2133 Allston Way, for constructing fence at Franklin school at San Pablo Ave. and Virginia St. Cert. check 10% payable to Board of Education required with each bid. Spec. may be had from secretary.

FRESNO, Fresno Co., Cal.—Until Nov. 21, 5 p. m., bids will be received by L. L. Smith, Secretary, Board of Education, for constructing gymnasium buildings at High School grounds. **See call for bids under official proposal column in this issue.**

LA VERNE, Los Angeles Co., Cal.—H. M. Hanawalt, La Verne, was awarded contract on Proposition No. 2 at $41,391.63 for additions to La Verne School building. Plumbing was let to O. L. Cassaday, Pomona, at $3,460. Bids for painting and heating were rejected and the work will be readvertised. Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles, is the architect. Two 4-room additions, reinforced concrete construction., stucco exterior, clay tile roof. The contract was awarded for leaving one wing unfinished.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received until November 16, 1921, at 11 a. m., by the Trustees of the Alhambra Union High School District, in Martinez, for furnishing and the installation of furniture, desks and other equipment. **For further particulars see copy of call for bids under official column.**

LOS ANGELES, Cal.—Architect John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, has been authorized to proceed with preparation of plans for a gymnasium for Los Angeles High School on Rimpau Blvd. Masonry construction; cost, $110,000.

EL CENTRO, Imperial Co., Cal.—Jarboe & Murray, Holtville, have general contract at $48,195 for new school at El Centro; frame and plaster construction. Other contracts are: Will Reams, plastering, at $10,300; So. Elec. Co., electrical work, $12,500; Clyde Larey, painting, at $2,000; Richmond Bros., plumbing at $5,657, and B. V. Dalzell, heating, at $13,675. Don W. Wells, architect.

BERKELEY, Cal. — The Berkeley Board of Education has awarded a contract to the Janson Iron Works, 6408 San Pablo Avenue, Oakland for erecting fire escape on the New Garfield school at Rose and Josephine Sts. The bids received were as follows:

Janson Iron Works	$ 762
State Mfg. Co.	1125
Pacific Iron Works	983

LOS ANGELES, Cal.—The Los Angeles Board of Education has selected architects to design new grammar school buildings, as follows: H. M. Banfield for $28,000 building at Indiana St. school site; Arthur W. Angel for $30,000 building at Pacoima; Edw. C. Taylor and Ellis W. Taylor for $24,000 building at Lomita; Elmer Grey for $64,000 building at Euclid Ave.; R. D. Farquhar for $64,000 building at Fremont Ave.; Harwood Hewitt for $64,000 building at Twenty-fourth St., and Chas. M. Hutchinson for $36,000 frame addition at Second St. The Board also recommended that an addition be erected at Arlington Heights School and that Richard D. King be the architect. The size of the building has not been determined.

The Board has selected architects for new high school buildings as follows: Jeffery & Schaefer for new classroom building at Franklin High School, to cost $85,000; Richard C. Farrell for an addition to Gardena High School, to cost $134,000, and Frank G. Krucker for new classroom building at San Pedro High School, to cost $118,000.

LOS ANGELES, Cal.—Bavin & Burch Co., 173 E. Jefferson St., Los Angeles, was awarded the general contract at $270,240 for John Muir Junior High School. John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, is the architect. The contract was based on the original bid of $250,000 for the 3 bldgs., with an addition of $26,000 for 8 additional classrooms, and deductions of $3940 for slate blackboards and $1820 for omitting gas radiator caps and vents. Other contracts were awarded as follows:

Plumbing to W. W. Brooks at $19,350 based on bid of $20,000 for 3 bldgs., with deduction of $650 for omitting all gas piping for gas heating system.

Steam heating and ventilating to J. Hokom at $19,090, based on bid of $17,796 for 3 bldgs., with additions of $904 for 8 additional classrooms, and $390 for Fan No. 9.

Electrical work to Renard-Stary Elec. Co. at $9,218 based on bid of $8,876 for 3 bldgs., with an addition of $342 for 8 additional rooms.

Painting to D. Zelinsky & Sons at $13,100, based on bid of $11,700 for 3 bldgs., with an addition of $1,400 for 8 additional classrooms.

The total cost will be $330,998.

LOS ANGELES, Cal.—The Board of Education held under advisement the bids for Avenue 21 school bldg., Montgomery & Nibecker are the architects, as the title to the site has not been secured. The low bidders were: Alex Grant on the general contr. at $52,000; D. Zelinsky & Sons on painting at $2660; J. Hokom on heating at $3537; Thos Haverty on plumbing at $7355; and Prewitt Elec. Co. on wiring at $2397.

LOS ANGELES, Cal.—Macdonald & Driver, Douglas Bldg., Los Angeles, were low bidders, at $54,000, for erecting new grade school at Van Nuys; H. F. Withey, architect. Low bids on other work were: Amer. Elec. Constr. Co. on wiring at $1,185; Alhambra Wall Paper and Paint Co. on painting at $2,493; Arthur Hess on steam heating at $2,972; Potter-Strutz Rad. Corp. on gas heating at $1,179, and E. W. Crowell on plumbing at $5,975; two-story and part basement, 67x148 ft., 8 classrooms, brick constr., plas. exter., comp. roof. Referred to Business Manager. The bids were:

General Contract—Macdonald & Driver, $54,000; (a) add for work required for steam heating, $1,900; Walter Slater Co., $56,000; (a) $1,200; J. P. Dawson, $61,977; (a) $2,490; R. R. Edwards Bldg. Co., $65,448; (a) $800; Farley & Farley, $67,015.

Electric Work—Amer. Elec. Constr. Co., $1,185; Prewitt Elec. Co., $1,225; John T. Wilson Elec. Shop, $1,895.

Painting—Alhambra Wall Paper and Paint Co., $2,493; D. Zelinsky & Son, $2,650; Arenz-Warren Co., $2,800; A. Quandt & Son, $3,465; R. Zelinsky, $3,550; E. A. Lingreen, $4,075.

Steam Heating—Arthur Hess, $2,972; J. Hokom, $3,193; Thos. Haverty Co., $3,553.

Gas Heating—Potter-Strutz Radiator Corp., $1,179; Pac. Gas Rad. Co., $1,193.60.

Plumbing—E. W. Crowell, $5,975; Arthur Hess, $6,041; Thos. Haverty Co., $6,560.

REDWOOD VALLEY, Mendocino Co., Cal.—The Board of Trustees of the Redwood Valley Elementary School District received the following bids on October 27th for the construction of a one-story reinforced concrete school building. Plans were prepared by Architect Norman R. Coulter, 46 Kearny street, San Francisco. The contract will, in all probability, be awarded to Myrl R. Crane, 74 Miramar Ave., San Francisco.

Myrl R. Crane, S. F.	$18,900
John Morton, S. F.	23,500

MAXWELL, Colusa Co., Cal.—The following bids were received by the Board of Trustees of the Maxwell Union High School District on October 31 for the construction of a two-story brick concrete and tile school building. Plans were prepared by Architects Woollett & Lamb, Hageistein Bldg., Sacramento. The bids of Larsen & Siegrist, Claus Spreckels Bldg., San Francisco, and E. E. Etherton, Monadnock Bldg., San Francisco, have been taken under advisement. The bid of Etherton will probably not be considered, as it was not accompanied by a bond.

General Construction

E. E. Etherton (no bond)	$76,000
Hart Construction Co., Gerber	77,400
J. A. Bryant	83,325
West Coast Construction, S. F.	84,766
Jas. L. McLaughlin, S. F.	84,767
Larsen-Siegrist, San Francisco	84,772
Hannah Bros., San Francisco	86,600
W. R. Campbell, Sacramento	88,927
Colman & Spiedel, San Francisco	90,676
A. Lynch, San Francisco	94,594

Mechanical Equipment

J. E. O'Mara, San Francisco	$12,900
Hateley & Hateley, Sacramento	12,971
Mechanical Eq. & Supply Co.	13,000
E. E. Etherton	13,300
Carl T. Doell	13,920
Colman & Spiedel	14,228
Hunter Elec. & Supply, Colusa	14,809

The following bids were received late:

Sampel & Cody and Stockholm & Sons, both of San Francisco.

Low bidders on alternates:

Mechanical Eng. & Supply Co.	$ 9,505
E. Etherton & Co.	69,520
Total	$79,025
Next lowest bidder:	
Larsen & Siegrist	$79,777

SAN FRANCISCO—The San Francisco Board of Public Works has rescinded its action in calling bids under Resolution No. 70,722 for heating and ventilating in the Mission High School at Eighteenth and Dolores streets. The estimated cost of the work has been increased from $16,000 to $46,000 and the amount of the bond required of the successful bidder from $4,000 to $11,500. Bids will be readvertised for under Resolution No. 70956. The date for opening bids will not be as before, **November 16.**

BERKELEY, Cal.—The following were received on October, 31st by the Comptroller of the University of California for the construction of a two-story reinforced concrete and tile creamery building. Plans were prepared by architect Wm. C. Hays, First National Bank Building, San Francisco. All bids were taken under advisement.

Concrete Work

K. E. Parker Co., San Francisco	$48,164
I. M. Sommer Co., San Francisco	48,920
Barrett & Hilp, San Francsco	49,954
Davidson & Nickolson	56,500
McGillivray Constr. Co., Saco	65,595

Hollow Tile & Terra Cotta Work

I. M. Sommers Co., San Francsco	$19,613
M. B. McGowan, San Francsco	20,228
White & Gloor, San Francisco	21,560
McGillivray Constr. Co., S. Fran.	21,993
Mealy & Collins, San Francisco	22,400

Plastering, Lathing & Furring

Mm. Makin	$16,794
McGruer & Simpson, S. Fran	17,299
A. Knowles, San Francisco	17,500
Peter Bradley, San Francisco	17,900
T. Morehouse	19,490

Roofing

Malott & Peterson, San Francisco	$5,998
Fibrestone & Roofing Co., S. F.	6,595
Allyn L. Burr	6,750
H. C. Brown, Oakland	7,444

Plumbing Work

J. H. Pinkerton, S. F.	$ 9,034
Mechanical Eng. & Supply Co., Sacramento	9,450
Carl T. Doell, Oakland	9,619
J. E. O'Mara, S. F.	9,700
Scott Co.	8,093
Fredk. W. Snook	10,960

Refrigeration Work

Cyclops Iron Works, S. F.	$16,786
American Ice Mach. Co., S. F.	20,693
Jas. T. Ludlow	21,800
Scott Co.	21,889
Automatic Refrigerating Co.	43,300

Electric Work

Advance Elec. Co.	$ 8,974
Butte Elec. & Mfg. Co.	9,651
Standard Elec. Constr. Co.	9,750
M. E. Ryan	9,894
H. C. Reid & Co.	10,000
Decker Elec. Constr Co.	10,097
F. E. Newbery Co.	10,126

Tile Work

H. T. Fisher T. & M. Co., Stktn.	$ 9,098
Rigney Tile Co., San Francisco	9,397
Scott Co.	10,548
Mangrum & Otter, S. F.	11,561
Lowrey & Daly	11,940
Ginsberg Tile Co.	12,999

Elevators

Atlas Elevator Co.	$ 2,280
Otis Elevator Co.	2,390

Painting

I. R. Kissell, S. F.	$ 4,176
R. Zelinsky, San Francisco	4,190
A. Quandt & Son	6,245
Wm. Bernstein	6,740

Carpentry

Barrett & Hilp	$46,760
Morton Builders	47,800
I. M. Sommers	48,290
McGillivray Constr. Co.	62,372

SOQUEL, Santa Cruz Co., Cal.—The following bids were received by the Trustees of the Soquel Union Grammar School District on November 1, 1921, for the construction of a one-story reinforced concrete school building. Plans were prepared by Architect W. H. Weeks, 369 Pine street, San Francisco. All bids were taken under advisement. Bids were taken on the following propositions: (1) Building complete, (2) brick veneer, (3) omit two classrooms, alternate deduct for brick veneer, (4) crushed brick roof.

E. Porter Smith, Santa Cruz—(1) $44,735; (2) $44,998; (3) $5,842, alternate $6,967; (4) $3,642.

John Morton, San Francisco—(1) $54,-966; (2) $52,800; (3) $6,700, alternate $8,300; (4) $4,000.

Dan R. Wagner, San Francisco—(1) $55,770; (2) $——; (3) $5,600, alternate $——; (4) $3,000.

Lawton & Vezey, San Francisco—(1) $56,612; (2) $56,954; (3) $6,456, alternate $7,380; (4) $4,275.

Appleton & Davis, Atascadero—(1) $52,193; (2) $55,095; (3) $6,115, alternate $6,027; (4) $2,500.

Cobby & Owsley, San Francisco—(1) $53,269; (2) $53,945; (3) $6,966, alternate $7,000; (4) $3,700.

M. C. Vaughn, Oakland—(1) $58,464; (2) $59,464; (3) $5,600, alternate $5,600; (4) $3,654.

Heating

(1) Steam coal burner.
(2) Steam oil burner.

	(1)	(2)
Scott Co.	$3,320	$ 711
Robt. Dalziel Jr.	3,337	677
Carl T. Doell	3,434	1,086
Thos. J. Kennedy	3,400	655
Izant & Wilson	3,550	625
Whitney Bros. Co.	3,659	590
Turner Co.	3,780	720
J. E. O'Mara	4,456	700

LOS ANGELES, Cal.—Bavin & Burch Co., 173 E. Jefferson St., Los Angeles, was low bidder, at $83,840, for erecting First St. school building. Low bids on other contracts were: Thos. A. Arthur on heating at $6,739; Alhambra Wall Paper and Paint Co. on painting at $4,226; Prewitt Elec. Co. on wiring at $2,730, and E. W. Crowell on plumbing at $10,019. Referred to Business Manager John P. Krempel and Walter E. Erkes, architects; two-classrooms and auditorium; brick construction, plas. exter., tile trim., clay tile roof. The bids were:

General Contract—Bavin & Burch Co., $83,840; Geo. F. Barber, $87,990; Walter Slater Co., $88,000; K. R. Bradley Construction Co., $88,900; John Simpson Co., $88,900; Frank Hudson, $89,575; J. D. Kneen Construction Co., $95,200; L. A. Planing Mill Co., $98,251.

Painting—Alhambra Wall Paper and Paint Co., $4,226; Arenz-Warren Co., $5,495; R. Zelinsky, $5,986; D. Zelinsky & Son, $5,994; W. K. Elliott, $7,064.48.

Heating—Thos. A. Arthur, $6,739; J. Hokom, $7,079; Jas. A. Nelson, $7,264.60; Arthur Hess, $7,500; Thos. Haverty Co., $7,755.

Electric Wiring—Prewitt Elec. Co., $2,730; Renard-Stary Elec. Co., $3,-203.50.

Plumbing—E. W. Crowell, $10,019; G. C. Sutton, $10,290; Thos. Haverty Co., $12,248.

LOS ANGELES, Cal.—J. A. Hill Construction Co., 232 S. Figueroa St., Los Angeles, was low bidder, at $64,460, for erecting Rosemont Ave. school building; Geo. M. Lindsey, architect. Low bidders on other contracts were: F. E. Newbery Elec. Co. on wiring at $2,879; J. Hokom on steam heating at $3,863; Pac. Gas Rad. Co. on gas heating at $2,007.97; Alhambra Wall Paper and Paint Co. on painting at $2,870, and E. W. Crowell on plumbing at $6,810. Referred to Business Manager. Seven classrooms, brick constr., two-story and part basement, 113x100 ft. The bids were:

General Contract—J. A. Hill Constr. Co., $64,460; (a) deduct for Weisteel part, $300; (b) deduct for blue brick facing, $2,100; (c) deduct if work necessary for gas heating is omitted, $250; (d) add for work required for steam heating, $300; (e) add for Mason safety treads, $564. Macdonald & Driver, $65,244; (a) $300; (b) $3,850; (c) ——; (d) $1,080; (e) $480. Walter Slater Co., $66,000; (a) $600; (b) $3,200; (c) $150; (d) $1,200; (e) $500. Jay B. Harris, $69,100; (a) $392; (b) $3,644; (c) $300; (d) $2,200; (f) $750. John Simpson Co., $69,879; (a) $453; (b) $2,624; (c) $297; (d) $100; (e) $600. J. D. Kneen Constr. Co., $70,908; (a) $400; (b) $3,000; (c) $500, (d) $1,600, (e) $550. Frank Hudson, $74,821; (a) $500; (b) $2,500; (c) $100; (d) $150; (e) $1,150. J. F. Kobler, $77,675; (a) $200; (b) $3,780; (c) ——; (d) ——; (e) $600. R. H. Whinery, $83,-000; (a) $400; (b) $5,000; (c) $330; (d) $1,500; (e) $600.

Electric Work—F. E. Newbery Co., $2,879; Renard-Stary Elec. Co., $2,942; Prewitt Elec. Co., $2,969.

Steam Heating—J. Hokom, $3,863, and Thos. Haverty Co., $4,225.

Gas Heating—Pac. Gas. Rad. Co., $2,-007.97; Potter-Strutz Rad. Corp., $2,140.

Painting—Alhambra Wall Paper and Paint Co., $2,870; D. Zelinsky & Son, $2,984; E. A. Lindgreen, $3,370; R. Zelinsky, $3,427; Arenz-Warren Co., $3,-526, and A. Quandt & Son, $3,789.

Plumbing—E. W. Crowell, $6,810; Thos. Haverty Co., $7,592.

CHICO, Butte Co., Cal.—Chico High School Board awards contract to Rucker-Fuller Desk Co., bidding through the Richardson Furniture Co., for 80 tablet arm chairs at $11 each and 120 opera chairs at $11 each. Heywood Bros. and Wakefield awarded contract for 125 maple folding chairs at $5.50 each.

Plans Being Figured.
Bids Close Nov. 16, 1921, 9 a. m.
KINDERGARTEN BLDGS. Cost, $——
LOS ANGELES, Cal. 68th St. site and Russell School site.
Two frame kindergarten buildings.
Owner—Los Angeles Board of Education.
Architect—Not given.
Separate bids will be taken for a general contract and plumbing.
Plans may be obtained from the secretary's office, 730 Security Bldg., Los Angeles.

Contract Awarded.
SCHOOL Cost, $37,317
OAKDALE, Stanislaus Co., Cal.
One-story brick and concrete five-room school building.
Owner—Oakdale Grammar School Dist.
Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Contractors—Shepherd & Riley, Yosemite Bldg., Stockton.
There were only two bids received, and were as follows:
Shepherd & Riley $37,317
Ubel & Vantil 38,000

Plans Being Prepared.
ADDITIONS Cost, $60,000 each
LONG BEACH, Los Angeles Co., Cal.
Fremont and Temple Schools.
Two 8-room additions to schools.
Owner—Long Beach School District.
Architect—Parker O. Wright and Francis H. Gentry, 316 Marine Bank Bldg., Long Beach, associated.

STORES AND OFFICES

Contract Awarded.—Contractor Taking Sub-Figures.
BUILDING Cost, $75,000
SACRAMENTO. SE 5th and I Sts.
One-story and basement reinforced concrete and brick auto stage terminal.
Owner—Motor Carriers' Terminal, Inc.
Architect—Frederick S. Harrison, People's Bank Bldg., Sacramento.
Contractor—A. W. Norris, 1013 10th St., Sacramento.
Construction will be started next week

Plans Being Figured—Bids Close Nov. 10, 2 p. m.
STORE & WHSE. Cost, $——
SANTA CRUZ, Santa Cruz Co., Calif.
262 Pacific Ave.
Two-story reinforced concrete store and warehouse.
Owner—Gaba & Magidson, Santa Cruz, Cal.
Architect—Collins & Byrne, Theatre Bldg., Santa Cruz, Cal.

See call for bids under Official Proposal column in this issue.

To Be Done By Day's Work.
ALTERATIONS Cost, $2000
OAKLAND. 2117 Broadway.
Alter store (plastering, tile work, plate glass, etc.).
Owner—Dr. Nor.
Architect—Miller & Warnecke, Perry

Plans Being Figured—Bids Close Nov. 8, 10:30 a. m.
OFFICE BLDG. Cost, $——
STOCKTON, San Joaquin Co., Cal. S. E. Commodore Levee and El Dorado Sts.
Two-story hollow tile office building.
Owner—City of Stockton, A. L. Banks, Clerk.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
Cert. check 10% payable to city required with each bid. Plans may be had from clerk.
NOTE:—Contract for this structure was awarded to Morrison and Vickroy of Stockton at $22,500, but as structures on the site were not removed, the Council ordered the contract canceled and bids re-advertised.
See call for bids under Official Proposal column in this issue.

Plans Being Figured.
STORE BLDG. Cost, $——
ALAMEDA, Park St.
One-story brick store building (3 stores).
Owner—Mr. Blanding.
Architect—M. V. Politeo, 1st Natl. Bank Bldg., Oakland.

Completing Plans.
BUILDING Cost, ——
LOS ANGELES, Cal. 7th St., between Olive St. and Grand Ave.
Four-story class "A" building, 52x118 (designed for 10 stories).
Owner—Brock & Co.
Architect—Dodd & Richards, 905 Brack-Shops Bldg., Los Angeles.

Figures To Be Taken In a Few Days.
OFFICES Cost, $——
SACRAMENTO, Cal. L St. bet. 10th and 11th Sts.
Two-story brick office building, 80x160.
Owner—Archibald Mull.
Architects—Woollett & Lamb, Hagelstein Bldg., Sacramento.
The first floor will be occupied by the Department of Agriculture.

Low Bidder.
STORE BLDG. Cost, $——
UKIAH, Mendocino Co., Cal.
One-story concrete store building (2 stores).
Owner—Mr. Fandelin.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
(30415) 1st report Oct. 25, 1921. R-14
NOTE: The lowest bid was submitted by A. M. Hildebrand of Santa Rosa.

Concrete Contract Awarded.
STORE BLDG. Cost, $15,000
MILL VALLEY, Marin Co., Cal.
One - story reinforced concrete and brick veneer store bldg. (3 stores, composition floors).
Owner—J. Neal.
Architect — Walter C. Falch, Hearst Bldg., San Francisco.
The concrete work has been awarded to J. W. Mitchell, 1794 Page St., for $7500. The balance of the work will be done by day's labor.

Figures To Be Taken In About Three Weeks.
BUILDING Cost, $350,000
OAKLAND, Alameda Co., cor. 17th and Clay Sts.
Six-story class "A' office building, 50x100.
Owner—Pacific Gas and Electric Co.
Architect—C. W. Dickey, 357 12th St., Oakland.

Contract Awarded.
STORE BLDG. Cost, $25,000
SAN FRANCISCO. N. Mission, 47 W. Ecker.
One-story and basement reinforced concrete store bldg.
Owner—R. J. O'Brien, 110 Sutter St.
Architect — Albert W. Burgren, 110 Sutter St.
Contractors—Kiernan & O'Brien, 1756 Mission St.

Bids Wanted For Glass.
ADDITION Cost, $300,000
SAN FRANCISCO. N.E. Mission and New Montgomery Sts.
Three-story class "A" addition to present two-story building, also a one-story super-structure on roof.
Owner—Schwenberg Metzger & Aronson, Merchants' Exchange Bld., San Francisco.
Lessee—Associated Oil Company.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Engineer—C. H. Snyder, 251 Kearny St., San Francisco.
Figures are now being taken for the glass. Next week figures will be taken for roofing. The Goodman Artificial Stone Co. has been awarded a contract for topping the 2d and 3d floors.

Contract To Be Awarded.
ADDITION Cost, $55,000
SAN FRANCISCO. NW Powell and Sutter Sts.
One-story Class A addition to present 8-story office building.
Owner—Morris Meyerfield.
Architects—Meyer & Johnson, Bankers' Investment Bldg., San Francisco.
Contractors—Barrett & Hilp, 918 Harrison St.

Contract Awarded.
BAKERY Cost, $15,000
OAKLAND. W. Adeline St., 131 N. 3rd
One-story tile bakery.
Owner—Grandma Cookie Co., 529 Linden St., Oakland.
Architect and contractor—L. F. Hyde, 2745 26th Ave., Oakland.

THEATRES

Sub-Contracts Awarded.
THEATRE Cost, $300,000
SAN FRANCISCO. S. Geary Street 137-6 W. Mason St.
Class A theatre.
Owner—Curran Theatre Co.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Sprinkler system awarded to The Pacific Fire Extinguisher Co., 440 Howard St., $5,000.
Heating and ventilating system to Scott Co., 243 Minna St., $12,160.
Hardware to Palace Hardware Co., 581 Market St., $2750.
Electrical work to Decker Electrical Construction Co., 149 New Montgomery St., $31,000.
Sheet metal work to Morrison & Co., 769 McAllister St., $7357.
Ornamental iron work, metal stairs, etc., to C. J. Hillard Co., Inc., 19th and Minnesota Sts., $12,250.

SUBSCRIPTION BLANK

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.....192.....

TO BUILDING AND ENGINEERING NEWS,
560 Mission St., San Francisco, Cal.

Send me Building and Engineering News for one year, commencing with next issue, for which I enclose check for $4.00

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Official Proposals

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on November 21st,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Mendocino County, between Flynn Creek and Mouth of Navarro River (I-Men-48-C), about twelve (12.0) miles in length, to be graded.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated October 24, 1921.

BIDS WANTED FOR MECHANICAL EQUIPMENT

INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 21, 1921.—SEALED PROPOSALS will be opened in the office of the Superintendent of Construction, U. S. Public Health Service Hospital, Whipple Barracks, Prescott, Arizona, at 1 P. M., November 16, 1921, and in the office of the Supervising Architect, Treasury Department, Washington, D. C., at 3 P. M., November 16, 1921, for the installation complete of the Mechanical Equipment for two Semi-Ambulant Quarters, four double quarters for Officers, one double quarters for first-class Personnel, one quarters for married Attendants, also kitchen equipment and refrigerating apparatus for Ambulant Patients, Mess, etc., refrigerating apparatus for General Mess laundry equipment, new Boilers outside service, etc., at the United States Public Health Service Hospital No 50, at Whipple Barracks, Prescott, Arizona, in accordance with the drawings and specification, copies of which may be had at this office or at the office of the Superintendent of Construction at Whipple Barracks, Prescott, Arizona, in the discretion of the Supervising Architect, and Bidders may forward their bids to either place. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR CITY HALL AND FIRE HOUSE

NOTICE TO CONTRACTORS

Notice is hereby given that the Board of Trustees of the City of Madera, State of California, will receive sealed proposals for the construction of a City Hall and Fire Station building **up to but not later than the hour of 7:30 o'clock p. m. on the 15th day of November, 1921.** This work must be done as required by the plans and specifications prepared by Swartz and Ryland, Fresno, California, the architects employed by the said Board of Trustees.

Each proposal must be accompanied by a certified check on some solvent bank, or by approved bidder's surety bond in the amount equal to ten per cent of the amount bid, in favor of Lillian W. Rhodes, City Clerk, as a guarantee that if the bid is accepted, that bidder will, within ten days after notice of such acceptance has been given, execute a sufficient and binding contract for the performance of the work, and that he will give an approved surety bond in an amount equal to fifty (50) per cent of the contract price for securing the said City against liens for labor and materials and an approved surety bond equal to twenty-five (25) per cent of the contract price for the complete and faithful performance of his contract. The Board reserves the right to reject any and all bids.

Separate figures will be received for the installation of the plumbing and heating system.

Plans and specifications may be had from the architects, Swartz and Ryland, at their office in the Rowell Building, Fresno, California, on the deposit of Ten Dollars, which sum will be returned on the return of the plans and specifications in good condition to the architects.

By order of the Board of Trustees of the City of Madera.

LILLIAN W. RHODES,
City Clerk.

BIDS WANTED FOR STERILIZING EQUIPMENT

INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 20, 1921. Sealed proposals will be opened in this office at 3 p. m., November 15, 1921, for furnishing sterilizing equipment for the U. S. P. H. S. Hospital, Fort Mackenzie, Sheridan, Wyoming, in accordance with specifications, copies of which may be obtained at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR HOSPITAL

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of Supervisors of Humboldt County, State of California, at the office of the Clerk of said Board, at the Court House in the City of Eureka, said County and State, until **Tuesday, November 15th, 1921, at two o'clock P. M.,** for the construction of a new Tubercular Hospital for Humboldt County.

Plans and specifications for this work are on file in the office of said Clerk, to which all bidders are hereby referred.

Each bid must be accompanied by cash or certified check in at least five per cent of the amount of the bid, as a guarantee of good faith, and the Board reserves the right to reject any or all bids.

FRED M. KAY,
Clerk of the Board of Supervisors of Humboldt County, California.

BIDS WANTED FOR PLUMBING FIXTURES, RADIATORS, ETC.

NOTICE TO CONTRACTORS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Oct. 20, 1921.—SEALED PROPOSALS will be opened in this office at 3 p. m., Nov. 15, 1921, for furnishing Plumbing Fixtures, radiators, etc., for the U. S. P. H. S. Hospital Fort Mackenzie, Sheridan, Wyoming, in accordance with specifications, copies of which may be obtained at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR REINFORCED CONCRETE STORE BUILDING

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received **up to 12 M., November 10, 1921,** at the office of Collins and Byrne, architects, New Theatre Building, Santa Cruz, Calif., for the erection and completion of a two-story reinforced concrete store building and warehouse for Gaba and Magidson to be erected at 262 Pacific Avenue, Santa Cruz, Calif. All plans and specifications may be seen at the office of Collins and Byrne, architects, or may be obtained on a deposit of $5.00 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications in good condition and accompanied by a regular bid for the work. No bids will be received unless accompanied by a certified check or its equivalent in favor of the undersigned, equal to ten per cent of the bid, to secure the execution of the contract by the successful bidder.

The right is reserved to reject any and all bids.

Signed,
GABA & MAGIDSON.

BIDS WANTED FOR SCHOOL ADDITION

NOTICE TO CONTRACTORS

Pursuant to an order of the Board of Education of the City of Fresno School District, Fresno, California, duly made and entered in its minutes on the 20th day of October, 1921, notice is hereby given that said board will receive **up to 5 o'clock p. m. of November 10th, 1921,** sealed proposals for the furnishing of labor and materials for the construction of a four-room addition to the Edison school in the city of Fresno. Bids will be taken separately for the different segregated contracts, as follows:

Contract No. 1—Excavating, Concrete Work, Carpenter Work, Glass, Hardware, Steel, Galvanized Iron and Blackboards.

Contract No. 2—Brick Work.

Contract No. 3—Tile and Composition Roofing.

Contract No. 4—Plumbing and Steam Heating.

Contract No. 5—Lathing and Plastering.

Contract No. 6—Electric Wiring.

Contract No. 7—Painting.

Plans and specifications on file with the secretary of said board. Copies of same together with form for submitting bid and instructions to bidders may be obtained at the office of Trewhitt-Shields Company, 435 Rowell Building, Fresno, the authorized agent of the said board.

A certified check equal to 10 per cent of total amount of bid submitted must accompany the proposal.

The board reserves the right to reject any or all bids.

By order of the Board of Education.

L. L. SMITH, Secretary.

NOTICE TO CONTRACTORS

STEEL AND CONCRETE BRIDGE

Sealed bids will be received by the Clerk of the Board of Supervisors of Sacramento County, California, at his office in the Court House at Sacramento, California, **up to 2:00 o'clock p. m., December 5th, 1921**, for furnishing material and constructing steel and concrete bridge across the Sacramento River about one mile above Isleton, Sacramento County, California; 556,000 lbs. of structural steel to be furnished by Sacramento County; all other material to be furnished by the contractor.

Each bidder must submit a proposal to the Clerk of the said Board of Supervisors on standard forms which may be obtained from the County Surveyor's office, said proposal to be accompanied by a certified check to the amount of ten per cent (10%) of the total amount bid, said check to be made payable to the Chairman of the Board of Supervisors of Sacramento County, California.

Plans and specifications are on file in the office of the County Surveyor of Sacramento County, to which bidders are hereby referred. Copies of said plans and specifications will be mailed to any address upon receipt of check for $10 made payable to the Chairman of the Board of Supervisors, said check to be returned upon return of the plans.

The Board of Supervisors reserves the right to reject any and all bids and to waive any informality in the bids received, as the public good may require.

(Seal) H. K. JOHNSON,
Chairman, Board of Supervisors.
ATTEST: Harry W. Hall, Clerk; by F. M. Lampert, Deputy.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

Sealed bids are hereby invited and will be received by the High School Board of the Richmond Union High School District at the office of its Secretary in the Lincoln School, 235 Tenth Street, Richmond, California, **up to and including the hour of 8 o'clock P. M. of Monday, November 14, 1921, at** which time and place said bids will be opened, for the supplying of all materials and the construction of a school building, according to plans and specifications prepared by Mr. James T. Narbett, 906 Macdonald Avenue, Richmond, authorized architect.

Separate bids will be received at the same time and place for the installation of a heating system in said building according to plans and specifications prepared by Leland and Haley, 58 Sutter Street, San Francisco, authorized engineers.

Each of said bids must be accompanied by cash equal to 10% of the amount bid, or by a certified check on some solvent bank, made payable to the order of W. T. Helms, equal to 10% of the amount bid, which said amounts will be forfeited to the High School Board should the successful bidders fail to enter into a legal contract with said High School Board, within ten days after the award of the contract.

Plans for the building may be obtained at the architect's office and plans for the heating system may be obtained at either the architect's office or the heating engineer's office.

The Board reserves the right to reject any or all bids.

E. H. HARLOW, President.
H. W. MERGENTHAL.
E. HOFFMAN.
W. S. McRACKEN.
W. D. MASON.
High School Board of the Richmond Union High School District.
By W. T. Helms, Secretary.

NOTICE TO CONTRACTORS

NOTICE TO STEEL ROLLING OR STEEL LIFT DOOR MANUFACTURERS

OFFICE OF THE BOARD OF STATE HARBOR COMMISSIONERS, Union Depot and Ferry House, San Francisco, California, October 31, 1921.

SEALED PROPOSALS or bids will be received at this office **at or prior to 11 o'clock A. M., on Thursday, December 1, 1921**, for furnishing and installing steel rolling or steel lift doors in Bulkhead Building, Pier 5, on the waterfront of the City and County of San Francisco, in accordance with the plans and specifications prepared for these doors by the Chief Engineer and adopted by the Board August 4, 1920, and on file in this office, to which special reference is hereby made.

No bid will be received unless it is made on a blank form furnished from this office and is accompanied by a certified check for an amount equal to five (5) per cent of the amount of the proposal to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the total amount payable by the terms of the contract, with a corporation thereunto duly authorized by law and commonly known as a surety company, as surety (such surety to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the office of the Secretary), and conditioned for the faithful performance by the contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done, or for any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefit of material men, mechanics and laborers as provided by that certain Act of the Legislature of the State of California approved May 1, 1911 (Stats. 1911, p. 1422). Said bond must be acceptable to and approved by said Board, both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the office of the Secretary, Room No. 17, Union Depot and Ferry House, **at or prior to 11 o'clock A. M.**, on **Thursday, December 1, 1921**, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House upon depositing $10.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid: "Bid for Doors Bulkhead Building, Pier 5."

JOHN H. McCALLUM,
HARRY H. COSGRIFF,
FREDERICK S. MOODY,
Board of State Harbor Commissioners.
FRANK G. WHITE,
Chief Engineer.
HILDA GOHRMAN,
Secretary.

BIDS WANTED FOR GYMNASIUM BUILDINGS

NOTICE TO CONTRACTORS

Pursuant to an order of the Board of Education, Fresno City High School District, duly passed and entered in its minutes of October 28, 1921, notice is hereby given that the said Board will receive bids **up to 5 P. M., November 21, 1921**, on the following contracts in connection with the construction of the Gymnasium Buildings for the Fresno High School Group:

(1) General contract for Boys' and Girls' Gymnasium Buildings exclusive of Plumbing.

(2) General contract for Boys' Gymnasium Building only, exclusive of Plumbing.

(3) General contract for Girls' Gymnasium Building only, exclusive of Plumbing.

(4) Plumbing contract for Boys' and Girls' Gymnasium Buildings.

(5) Plumbing contract for Boys' Gymnasium Building only.

(6) Plumbing contract for Girls' Gymnasium Building only.

(7) Amount to be deducted from Bid No. 1 if Electrical Wiring is omitted.

(8) Amount to be deducted from Bid No. 2 if Electrical Wiring is omitted.

(9) Amount to be deducted from Bid No. 3 if Electrical Wiring is omitted.

Plans and specifications are on file with the Secretary of said Board. Copies may be obtained at the offices of The R. F. Felchlin Company, 300 Bank of Italy Bldg., Fresno, Calif.

All bids must be in the hands of L. L. Smith, Secretary, Board of Education, Fresno High School District, at his office in the High School Building, Fresno, Calif., before 5 p. m., November 21, 1921.

A certified check equal to ten per cent of the total amount of bid submitted must accompany the proposal.

No bids will be considered unless submitted on uniform proposal blank provided for that purpose.

The Board reserves the right to reject any or all bids.

All bids must be sealed with the name of the bidder and description of the work must be marked on outside of envelope.

BOARD OF EDUCATION,
Fresno City High School District.
L. L. Smith, Secretary.

(MADERA SEWER SYSTEM)

NOTICE TO BIDDERS

Sealed proposals addressed to the President of the Board of Trustees, and endorsed "Proposals for Constructing a Sewer System for the City of Madera," will be received by the City Clerk of the City of Madera, at her office, until 5 o'clock p. m. of the 15th day of November, 1921, and at the hour of 8 o'clock p. m., on that day, or as soon thereafter as the same can be reached, the Board of Trustees will publicly open and read the same.

All proposals must be made on blank forms to be obtained from the City Clerk or the City Engineer. Three alternate propositions will be considered.

Proposition No. 1 contemplates the use of vitrified pipe throughout.

Proposition No. 2 contemplates the use of cement pipe throughout.

Proposition No. 3 contemplates the use of vitrified pipe on all lines from 6 inches to 10 inches in diameter, inclusive, and cement pipe on all lines over 10 inches in diameter.

Alternate proposals are requested on brick and concrete manholes.

Separate proposals will be received for furnisihng and installing pumping equipment.

Each proposal for the sewer system must be accompanied by a certified check for an amount not less than Three Thousand ($3,000.00) Dollars. A similar check in the sum of Five Hundred ($500.00) Dollars will be required with each bid for the pumping equipment only.

Plans and specifications are on file at the office of the City Clerk.

The Board of Trustees reserves the right to reject any and all bids.

By order of the Board of Trustees.
LILLIAN W. RHODES,
City Clerk.

BIDS WANTED FOR SCHOOL FURNITURE

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Clerk of the Board of Trustees of Alhambra Union High School District, at the Principal's room, in the (old) Alhambra Union High School Building, in the town of Martinez, County of Contra Costa, State of California, **until eleven o'clock A. M. of the 16th day of November, 1921**, for the furnishing and installation of furniture, desks and other equipment for Alhambra Union High School, and also for the grading of grounds at the Alhambra Union High School new site.

Plans and specifications for said fur-

niture, desks and equipment, and grading are on file in the office of the Clerk of the Board of Trustees of Alhambra Union High School District, to which bidders are hereby referred.

All bids must be accompanied by a certified check on some solvent bank, or cash deposit in a sum equal to ten per cent of the amount bid on the whole contract, conditioned that if the contract is awarded to the party submitting the accepted bid he or it will enter into a valid contract of contracts and furnish such bonds as may be required by said Board within five days after notice of award, or failing so to do the amount of such check or cash deposit shall be forfeited as liquidated damages for such failure. All checks to be made payable to the order of the Clerk of the Board of Trustees of Alhambra Union High School District, Contra Costa County, California.

All furniture and equipment to be delivered at new High School building on or before December 26, 1921.

The Board of Trustees reserves the right to reject any and all bids and to waive any informality in any bid received.

By order of the Board of Trustees of Alhambra Union High School District

Dated October 29, 1921.

J. E. RODGERS,
Clerk of Board of Trustees of Alhambra Union High School District.

BIDS WANTED FOR DIESEL INSPECTION AND TUG BOAT

NOTICE TO BOAT BUILDERS

Office of the Board of State Harbor Commissioners, Union Depot and Ferry House, San Francisco, California, November 2, 1921.

Sealed proposals or bids will be received at this office at or prior to **11 o'clock A. M., on Thursday, November 17, 1921,** for furnishing material and building a single screw inspection and tug boat with a single deck and a cabin, pilot house and engine house, all complete and in accordance with the plans and specifications on file in the office of the Chief Engineer and adopted by the Board October 27, 1921, to which special reference is hereby made.

No bid will be received unless it is made on a blank form furnished from this office and is accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal, to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within Six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The Contractor will be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the total amount payable by the terms of the contract, with a Corporation, thereunto duly authorized by law and commonly known as a surety company, as surety (such surety to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the Office of the Secretary), and conditioned for the faithful performance by the Contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the Contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done or for any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefit of material men, mechanics and laborers as provided by that certain act of the Legislature of the State of California, approved May 1, 1911 (Stats. 1911, p. 1422). Said bond must be acceptable to and approved by said Board both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the Office of the Secretary, Room No. 17, Union Depot and Ferry House, at or prior to 11 o'clock A. M., on **Thursday,** November 17, 1921, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing $10.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid: "Bid for Diesel Inspection and Tug Boat."

JOHN H. McALLUM,
HARRY H. COSGRIFF,
FREDERICK S. MOODY,
Board of State Harbor Commissioners
FRANK G. WHITE,
Chief Engineer.
HILDA GOHRMAN,
Secretary.

BIDS WANTED FOR WHARF SHED

NOTICE TO BIDDERS

Sealed bids will be received by the undersigned, Clerk of the City of Richmond, at his office in the City Hall of Richmond, California, **until Monday, November 21, 1921, up to the hour of eight (8) o'clock P. M. of said day,** at which time and place all bids will be publicly opened and read, for the construction of the super-structure of a wharf-shed adjoining Municipal Wharf No. 1 of the City of Richmond, all as described in the Plans and Specifications of said work on file in the office of the said Clerk of the City of Richmond.

All bids must be submitted upon proposal sheets furnished with the plans and specifications.

Copies of the Notice to Bidders, Proposal Sheets, Specifications and Plans will be furnished to prospective bidders upon application to the City Engineer of the City of Richmond, at his office in the said city hall.

A deposit of Ten (10) Dollars will be required for each set of Plans and Specifications, which said deposit will be refunded upon the return of the Plans and Specifications in good order.

Each bid must be accompanied by a certified check, upon a responsible bank, for at least ten (10) per cent of the amount of the total bid.

The Council of the City of Richmond reserves the right to reject any or all bids.

Dated this 1st day of November,

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on November 28th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Santa Barbara County, between 2½ miles east of Naples and Canada de las Llagas (V-SB-2-G), and between Los Chiqueros Creek and Gaviota Creek (V-SB-2-E & F), about eight and fourtenths (8.4) miles in length, to be paved with Portland cement concrete shoulders and an asphalt concrete wearing surface.

Fresno County, between Fresno and a point 2.3 miles northwesterly (VI-Fre-4-C), about two and three-tenths (2.3) miles in length, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated October 31, 1921.

BIDS WANTED FOR SCHOOL

(Two-story concrete and brick structure, with tile.)

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by the Board of Education of the Sacramento City School District for the complete erection of a school building in accordance with plans and specifications on file in the office of the Secretary of the Board of Education of the Sacramento City School District, Room 300, City Hall, Sacramento, California, and also in the office of Hemmings-Petersen-Hudnutt, Inc., Architectural and Engineering Commission, Sacramento Elementary Schools, third floor of City Library, 9th and I Streets, Sacramento, California.

The said school building is to be erected on the property owned by the School District, at 38th Street, between 4th Avenue and Sacramento Blvd., situated in the City of Sacramento, State of California.

On a deposit of $20.00 with the Board of Education, or the Architectural and Engineering Commission, complete sets of plans and specifications may be had by any prospective bidder, and retained for a period of 15 days. The deposit will be returned to the bidder on the return of the plans and specifications in good condition.

Bids must be made on proposals obtained at the office of the Architectural and Engineering Commission, and be signed by the bidder, accompanied by a certified check for at least 10% of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to the Secretary of the Board of Education of the Sacramento City School District, said check to be forfeited to and retained by the School District, should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award, or to give bonds as required. Bids must be plainly marked on the exterior "Proposal for Leland Stanford School Building".

All bids must be filed with the Secretary of the Board of Education of the Sacramento City School District, Room 300 City Hall, Sacramento, California, **not later than 7:30 o'clock P. M., Monday, November 28th, 1921.**

The Board of Education of the Sacramento City School District reserves the right to reject any or all bids.

BOARD OF EDUCATION
SACRAMENTO CITY
SCHOOL DISTRICT.
CHAS. C. HUGHES, Secretary

1921.

A. C. FARIS,
Clerk of the City of Richmond

BIDS WANTED FOR STERILIZING EQUIPMENT

INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Oct. 24, 1921—SEALED PROPOSALS will be opened in this office at 3 p. m., Nov. 17, 1921, for furnishing sterilizing equipment for the U. S. P. H. S. Hospital, Walla Walla, Wash., in accordance with specifications, copies of which may be obtained at this office, at the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SACRAMENTO, Cal.—Until December 5th bids will be received by Harry Hall, County Clerk, for constructing Isleton bridge. Estimated cost, $131,000. Drury Butler, County Surveyor.

See call for bids under official proposal column in this issue.

SAN FRANCISCO.—Bids will be received until December 31, 1921, at 11 a. m., by the State Board of Harbor Commissioners for steel rolling or steel lift doors in Bulkhead Building Pier 5 on the San Francisco waterfront. **For further particulars see call for bids under official proposal column.**

PHOENIX, Ariz.—Bids will be called for soon for the construction of the flood control dam in Cave Creek. Plans for the dam were prepared by a board of engineers and have been turned over to a board representing the different interests which will contribute to the project, including the State, Maricopa Co., Phoenix, Salt River Valley Water Users' Association, Paradise Valley Irrigation District and railroads. The proposed dam will be an earth fill, with concrete core, 56 to 59 ft. high, and will contain approximately 400,000 cu. yds. of earth and 9,000 cu. yds. concrete. Outlet tunnels and gates and spillway are included in the project. Cost from $350,000 to $400,000. Information may be obtained from L. B. Hitchcock, City Engineer of Phoenix.

LOS ANGELES, Cal.—All bids received by Supervisors Oct. 24 for bridge over San Jose Creek on Workman Mills Road were rejected and work will be readvertised.

FRESNO, Fresno Co., Cal.—Jap E. Mitchell, 206 Strauther street, at $1,449, awarded contract by Supervisors to construct bridge at corner of Nielsen and Hughes avenue. Estimate of County Surveyor Chris. P. Jensen, $1,430.

FRESNO, Fresno Co., Cal.—Supervisors reject bids for constructing six bridges on Elm avenue. Chris. P. Jensen, County Surveyor.

CALIFORNIA—Following bids received by State Highway Commission Oct. 31 for bridge construction; San Luis Obispo County, across Huasna Creek and Alamo Creek (V-SLO-57-A), two bridges, as follows: Across Huasna Creek, a bridge consisting of two steel spans of 100 feet each, with reinforced concrete girder approach spans; across Alamo Creek, a bridge consisting of two steel spans of 100 feet each. Two 100-ft. steel spans, erected in place and painted, complete, except reinforced concrete floor, for Huasna Creek bridge. Two 100-ft. steel spans, erected in place and painted, complete, except reinforced concrete floor, for Alamo Creek bridge. 255 cu. yds. class "A" concrete, in place in piers, approach spans, end beams, cap and floor of steep spans for Huasna Creek bridge. 200 cu. yds. class "A" concrete, in place in abutments, pier and floor of steel spans for Alamo Creek bridge. 360 cu. yds. class "B" cement concrete in place in piers, for Huasna Creek bridge. 150 cu. yds. class "B" cement concrete, in place in piers, for Alamo Creek bridge. 30 cu. yds. class "C" cement concrete, in place in abutment and wing wall, for Huasna Creek bridge. 335 cu. yds. class "C" concrete, in place in abutments, for Alamo Creek bridge. 64 Douglas fir piles, in place in foundations, for Huasna Creek bridge. 64 Douglas fir piles, in place in foundations, for Alamo Creek bridge. 4 reinforced concrete piles in place for approach span of Huasna Creek bridge. Commission will furnish reinforcing steel in straight bars cut to lengths and cement.

West Coast Cons. Co., S. F.	$70,342.83
Ed. H. Martin, Oakland	82,910.00
Security Bridge Co., Billings, Mont.	105,826.00
De Waard & Cobham, S. Diego	67,778.00
W. N. Ledbetter, Los Angeles	69,652.50
Edgar T. Wheeler Co., L. A.	109,870.00
Engineer's estimate	83,976.20

Glenn County, near Orland (III-Gle-7-C), consisting of the construction of pile and wire dikes and the planting of willow cuttings for the protection of Stony Creek bridge. 310 Douglas fir piles; 6,000 ft. B. M. lumber; 3,600 willow cuttings.

Jenkins & Elton, Sacto.	$ 7,996.00
Pacific Constr. Co., S. F.	11,338.00
West Coast Constr. Co., S. F.	11,518.00
Engineer's estimate	10,223.50

PHOENIX, Ariz.—Until 2 p. m., Nov. 21, bids will be received by State Engineer Thos. Maddock for constructing reinforced concrete bridge 143 feet long consisting of three spans, at Granite Creek crossing, Prescott-Jerome highway. Alternate bids will be taken for riveted steel truss span 143 feet, center to center end pins. Certified check for 5%. Plans and specifications may be obtained from State Engineer on payment of $5.

QUINCY, Plumas Co., Cal.—Murphy Lumber Co. is planning construction of a reservoir in Rowe's Ravine, east of Quincy, for the protection of its plant from fire.

FLAGSTAFF, Ariz.—The proposed suspension bridge across the Colorado River seven miles below Lees Feery will cost $175,000, according to an estimate presented to the Flagstaff Chamber of Commerce.

Engineers and Contractors
PLEASE NOTE

We Carry in Stock Here and Sell at Eastern Factory Price

Milburn Carbide Flare Lights
in candlepower from 50 to 12,000

Milburn Oxy-Acetylene Welding and Cutting Apparatus

All Safety Appliances
As Required by Accident Commission

E. D. BULLARD
Distributor for
Alexander Milburn Co.
268 Market St., San Francisco
Phone Douglas 1118

STOCKTON, San Joaquin Co., Cal.—T. E. Brown and Tom McCurry at $1,535 awarded contract by Supervisors for reflooring McMullen Lake bridge in Castoria Road District. Other bidders: M. B. White, $1,788; W. H. Hooker, $1,715; R. C. Tumelty, $1,863.

OAKLAND, Cal.—Tibbitts-Pacific Co., 16 California street, San Francisco, at $3,032, awarded contract by Supervisors for replacement of piles, caps and bracing in center pier of Bay Farm Island bridge. George Posey is Acting County Surveyor.

MILL VALLEY, Marin Co., Cal.—S. P. Brownlee, San Rafael, at $3,375, awarded contract by Trustees to construct concrete arch culvert, headwalls and pavement in Park Ave. Other bidders: V. Maggiora, $3,964; Lous Lambretti, $4,440. J. C. Ogiesby, Town Engineer.

SANTA ANA, Orange Co., Cal.—Five bridges will be built on the Coast State highway by the County Supervisors at an estimated cost of $300,000. Funds will be raised by direct tax. Plans will be prepared by engineers of the State Commission, but data must be supplied by county and preliminary surveys have been started. The proposed bridges will cross the east arm of Anaheim Bay, near Seal Beach; Santa Ana River, between Huntington Beach and Newport Beach; upper Newport Bay; Salt Creek, between Laguna Beach and Serra and San Juan Creek at Serra. The Anaheim Bay bridge will be 400 feet long, consisting of wooden trestle and 40-foot steel span, which may be moved on floats in case of emergency. The bridge over Santa Ana River will be about 400 feet long, with a concrete pile trestle and 60-foot steel span draw.

SACRAMENTO, Cal.—Supervisors reject bids for constructing Deer Creek bridge on Wilson Road, near Zaner ranch. The matter was made an emergency and the work will be done by the Supervisor of the Fifth District. Drury Butler, County Surveyor.

LOS ANGELES, Cal.—P. B. Engh, 341 Pacific Electrical Building, submitted lowest bid at $10,400 for improving the flood channel of Ballona Creek from Bay street to Pacific Electric Railway, about 2,000 feet, involving about 40,000 cu. yds. earth work. Other bids received by County Supervisors were: D. McDonald, $11,200; Chas. Miles, $11,600; Ross Construction Co., $14,800.

VENTURA, Cal.—No bids were received by Supervisors for grading, graveling, oiling and constructing culverts on a portion of the Janss and Camarillo roads and the work will be done by force account.

IRRIGATION PROJECTS

TUCSON, Ariz.—The Post land and water project near Tucson has been sold by the receiver to Clarence H. Lee, trustee for the principal creditors. A new $2,000,000 corporation will be organized to improve and operate the property. Water for irrigation is obtained from wells. Several hundred thousand dollars will be spent rehabili-

tating the irrigation system and plant. This work will be done chiefly by force account under supervision of Cone & Harris, consulting engineers, Hollingsworth Bldg., Los Angeles.

MANTECA, San Joaquin Co., Cal.—Carlson Bros. of Turlock at $12,682.40 awarded contract by South San Joaquin Irrigation District for concrete ditch lining; approx. 220,000 sq. ft. Six other bids received.

H. E. Smith of Manteca at $1,053.74 awarded contract for earthen canal construction. One bid received for concrete structure work rejected as being too high.

LIGHTING SYSTEMS

LOS ANGELES, Cal.—Until 11 a. m., Nov. 14, bids will be received by Supervisors of Los Angeles Co. for constructing an ornamental lighting system in Southgate Lighting Dist., on Long Beach Blvd., about one mile south of Huntington Park. The contract calls for 19 new Marbelite posts and the wiring and equipment of these, and also 55 existing posts. Work will be done under law of 1909. Certified check or bond for 10%.

SAN MATEO, San Mateo Co., Cal.—City Trustees, E. W. Foster, clerk, declares intention to install electrolier system, 65 cast iron single light standards, in portions of B St., Baldwin Ave., El Camino Real, 1st, 2nd and 3rd Aves., Railroad Ave., Main and A Sts., etc. Imp. Act 1911 and Bond Act 1915. Protests Nov. 21.

LOS ANGELES, Cal.—Until 11 a. m., Nov. 11, bids will be received by Supervisors for constructing an ornamental lighting system in Crescent Heights Lighting District, requiring 242 posts, with conduits and appliances. Bids were previously taken for this work and it was awarded to Humphrey Engineering Construction Co. at $37,866, but on account of changes in the law it was found necessary to start new proceedings.

MACHINERY

WILLOWS, Glenn Co., Cal.—Spears-Wells Machinery Co., 241 Twelfth St., Oakland, at $1,466, awarded contract by Supervisors for fur. and del. Moline tractor for use in Road District No 3. Bayard Knock, County Surveyor.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, appropriates $597 to purchase one left rear wheel for 12-ton Kelly-Springfield steam roller. Geo. Mattis, City Engineer.

STOCKTON, San Joaquin Co., Cal.—Until Nov. 8, 10:30 a. m., bids will be received by A. L. Banks, City Clerk, for constructing pumping plant in Oak Park. Cert. check 10% payable to city required with each bid. Plans may be had from clerk. W. B. Hogan, City Engineer.

SACRAMENTO, Cal.—City Commissioners, M. J. Desmond, Clerk, reject bids for motor trucks for collection of garbage. Albert Givan, City Engineer, will seek prices on horse-drawn wagons.

HUNTINGTON PARK, Cal.—Until 8 p. m., November 21, bids will be received by City Clerk H. H. Hunter for a 4-wheel disc road planer, weight about 4 tons.

SAN FRANCISCO—Bids will be received until November 17, 1921, at 11 o'clock, by the Board of State Harbor Commissioners for furnishing material and building a single screw inspection and tugboat, with single deck and a cabin, pilot-house and engine-house. **For further particulars see call for bids under official proposal column.**

GLENDALE, Los Angeles Co., Cal.—Until 7 p. m., Nov. 10, bids will be received by City Clerk A. J. Van Wie for 10 12-in., 35 —in., 2 10-in., 28 6-in. and 20 4-in. hub end standard pressure gate valves. Certified check of 10%.

SAN FRANCISCO—Resolution before Board of Supervisors authorizing appropriation of $6,700 for purchase of 5,000 additional feet of 24-in. steel pipe and bands required for use on the Hetch Hetchy project. M. M. O'Shaughnessy, City Engineer.

ORANGE, Orange Co., Cal.—The City Water Superintendent will buy in open market 30 tons 4-in., 41 tons 8-in. and 17 tons 6-in. Class B cast iron bell and spigot pipe. Bid of Kogler Hardware Co. for pipe at $56 ton for 6 and 8 in. and $58 for 4-in. pipe was rejected.

TURLOCK, Stanislaus Co., Cal.—Eighteen bids submitted to the Turlock and Modesto Irrigation Districts, acting jointly, for hydro-electric machinery for the Don Pedro project have been taken under advisement. The equipment is estimated to cost $425,000.

SAN FRANCISCO—Following bids received by Board of Public Works for furnishing and erecting street signs:

Speck Mfg. Co. (Unit A), $8.50 each; (b) $12.75; (c) $21.25.

Moise-Klinkner Co. (Unit A), $9.60 each.

C. B. Cowden (Unit C), $29.00 each.

Schultz Construction Co. (Unit A), $7.10; (B) $11.60; (c) $18.70 each.

EUREKA, Humboldt Co., Cal.—Until Nov. 15 bids will be received by A. Walter Kildale, City Clerk, for purchase of all or parts of the equipment of the Eureka City Rock Quarry, including rails, locomotive, cars, motors, etc. Further information will be furnished on application.

EUREKA, Humboldt Co., Cal.—Until Nov. 15, 5 p. m., bids will be received by John Griffith, Superintendent of Public Works, 524 "D" St., for forwarding and delivering one rotary converter, 700 amperes, 550 volts, 60 cycle, 1,200 revolutions per minute, with one double-throw switch and one 400-ampere, 600-volt single-throw switch, three blades and one volt meter.

RAILROADS

SAN FRANCISCO—Supervisors authorize Board of Public Works to call bids for construction of extension of Municipal Railway system along Taraval St., bet. 33rd Ave. and Great Highway; and along Masonic Ave. and other streets to 17th and Stanyan streets. M. M. O'Shaughnessy, City Engineer.

FIRE EQUIPMENT

LOS ANGELES, Cal.—Until 9 a. m., November 16, bids will be received by City Purchasing Agent for furnishing 2½-inch fire hose under Spec. 414.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

BERKELEY, Alameda Co., Cal.—Council (E. M. Hann, City Clerk) declares intention to improve Northside Ave., from Gilman St., 220.81 ft. southerly, redwood curbs, conc. gutters, macadamizing and surfacing with asphaltic road oil, conc. valley gutters. Imp. Act 1911.

To improve Highland Pl., from Hearst Ave., to Ridge Rd., and north ½ Hearst Ave., from La Loma to Highland Pl., grading, comb. conc. curbs and gutters and paving bet. Hearst Ave. and Highland Pl., with 7-in. conc. Imp. Act 1911. Protests Nov. 11. C. L. Huggins, City Engineer.

CHULA VISTA, San Diego Co., Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., Los Angeles, awarded contract at $19,986.10 for improving F St., Bonita and Fifth St., involving 66,527 sq. ft. grading, 13,968 sq. ft. 5-in. concr. pavement, 52,559 sq. ft. 4-in. bitum. base with 1½-in. asph. concr. wearing surface and 40 lin. ft. curb. Same company was awarded contract at $14,891.70 for improving National Ave. and Second St., involving 49,639 sq. ft. grading and 49,639 sq. ft. 4-in. bitum. base with 1½-in. asph. concr. surface. No other bids received. E. M. Lynch, Central Bldg., Los Angeles, engineer.

OAKLAND, Cal.—M. Bau, at $0.19½ sq. ft. awarded contract by Council to construct cement sidewalks, where not already, in west side of Broadway from 23rd to 25th Sts. Geo. Mattis, City Engineer.

STOCKTON, San Joaquin Co., Cal.—Until Dec. 20, 10:30 a. m., bids will be received by A. L. Banks, City Clerk, for improving portions of East Main St. by constructing comb. concr. curbs and gutters, sidewalks and paving with 2½-in. gravel base with 4½-in. asp. concr. wearing surface. Cert. check 10% payable to city required. W. B. Hogan, City Engineer.

SAN BERNARDINO, Cal.—W. D. Bohan was awarded contract for paving Second St. from Carter to K St. and on portion of K St., about 28,809 sq. ft., with 4-in. concr. at 17.2c sq. ft. H. H. Lineau bid 17.5c. F. W. Seccombe was awarded contract for paving 16th St. from E to E Sts., about 73,548 sq. ft., with 4-in. concr. at 16.7c sq. ft. H. H. Lineau bid 17c ft. and W. D. Bohan 17.5c ft.

SAN DIEGO, Cal.—Geo. R. Daley, 440 McNeece Bldg., submitted the only bid at $26,747.18 for improving Pearl St., La Jolla, involving 5,368.5 cu. yds. excav., at 90c. ft.; 2,813 cu. yds. embank. at 40c. yd.; 25,567.5 sq. ft. sidewalk at 29c. ft.; 5,604.3 ft. curb at 90c. ft.; 7,139.7 sq. ft. gutter at 40c. ft.; catch basins and culverts $5,476 compl. Bid referred to City Manager.

BERKELEY, Alameda Co., Cal.—Until Nov. 11, 10 A. M., bids will be received by E. M. Hann, City Clerk, for constructing 6-in. vjt. sewer in portions of Colusa Ave. and 1 brick manhole. C. L. Huggins, City Engineer.

LOS ANGELES, Cal.—County Road Commissioner Jones has plans ready for 1.25 miles concrete pavement 26 ft. wide and 6½-in. thick to be constructed on Main St. from Manchester Ave. south, replacing the present macadam pavement. This will be a cash job. Bids may be asked on this work soon, but it is possible it may be postponed until after the rainy season.

BURBANK, Los Angeles Co., Cal.—Ebey & Boone (T. A. Boone, 377 West Forty-seventh Pl.), Los Angeles, were awarded the contract at $25,171.80 for paving with concrete and constructing corrugated iron culverts on Eleventh St., between Olive and east city boundary.

LOS ANGELES, Cal.—Until 11 a. m., Nov. 7, bids will be received by Supervisors of Los Angeles Co. for paving 1.43 miles of streets in Puente in Road Imp. Dist. No. 199. Approximate quantities are: 13,409 cu. yds. excav.; 25,618 sq. yds. shaping; 13,395 lin. ft. curb; 13,540 sq. ft. concr. gutter; 25,618 sq. yds. oil macadam pavement; materials all to be furnished by contractor—388 bbls. cement, 389 tons sand, 670 tons gravel, 5,900 tons No. 12 rock, 1,863 tons Nos. 3 and 4 rock, 610 bbls. oil, 620 sq. ft. expansion joint. Average haul on cement ½ mile from Puente and on sand and rock 11 miles from Kinkaid. Estimated contract price, $56,650.25.

FRESNO, Fresno Co., Cal.—Chris. P. Jensen, County Surveyor, instructed to prepare plans for paving main driveway to Liberty cemetery.

FRESNO, Fresno Co., Cal.—Until Nov. 25, bids will be received by D. M. Barnwell, County Clerk, for constructing 8 mi. of White's Bridge Avenue road, a part of the county highway system. P. Jensen, County Surveyor.

GUSTINE, Merced Co., Cal.—No bids received Oct. 26 by Trustees, W. L. Chappell, City Clerk, for improving South Ave., from west city boundary to Sixth Ave.; Sixth Ave., from South Ave. to Fifth St.; First Ave., from Fifth to intersection of Fourth Ave., and North St., and Fourth St., from First Ave. to north city boundary, including intersections, by grading paving with 3-in. asph. concr. base with 2-in. Warrenite-Bitulithic wearing surface, corrugated culverts, conc. headwalls, etc. Work postponed until next Spring.

LOS ANGELES, Cal.—S. M. Kerns, 1076 Cerritos Ave., Long Beach, awarded contract at $81,664.33 for constructing 5.77 miles Harbor Truck Blvd. between Compton and Wilmington.
Eng 21

FORTUNA, Humboldt Co., Cal.—Until Nov. 7, 7:30 p. m., bids will be received by Geo. R. Lane, Town Clerk, for improving C St., from 3rd to 7th, by grading, paving, with 5-in. reinforced concrete; concrete and iron catchbasins, corrugated iron culverts and constructing concrete bridge over Rohner Creek. Improvement Act 1911. Certified check of 10%, payable to town, required with each bid. Plans on file in office of Clerk.

FRESNO, Fresno Co., Cal.—County Surveyor Chris. P. Jensen instructed to prepare specifications for paving Ventura Ave. from city limits to east end of Fair Grounds. Work will be done under the 1907 Act.

CORCORAN, Kings Co., Cal.—Until Nov. 7, 8 p. m., bids will be received by G. G. Amiraux, City Clerk, for constructing cement concr. sidewalks in Hall Ave. bet. King and Letts Aves. Cert. check 10% payable to city required. Spec. on file in office of clerk.

SEATTLE, Wash.—J. L. Smith, Pioneer Bldg., at $188,934, low bidder for improving 15th Ave. Northwest. Bids taken under advisement by Board of Public Works.

LOS ANGELES, Cal.—A. E. Burns, 407 H. W. Hellman Bldg., has the contract to grade, gravel and oil streets and construct cement curb, sidewalk and gutter in a 60-acre tract now being subdivided between Santa Barbara Ave. and 39th St., extending from Western Ave. to west city limits. The tract is owned by Irving Hellman and associates. J. Harvey McCarthy Co., H. W. Hellman Bldg., are agents for the owners.

SAN FRANCISCO.—Until Nov. 16, 3 p. m., bids will be received by Board of Public Works for improving:

Army St. bet. DeHaro and Third, involving 6361 lin. ft. concr. curbs; 146,570 sq. ft. asph. concr. pavement; 280 lin. ft. 8-in., 665 lin. ft. 12-in., 1120 lin. ft. 15-in. and 280 lin ft. 18-in. vit. pipe sewers; 4 8-in., 8 12-in., 17 15-in. and 4 18-in. vit. wye branches; 1,000 lin. ft. vit. culverts; 9 brick manholes; 29 brick catchbasins.

Crossing of Benton and Roscoe, involving 86 cu. yds. cut; 56 lin. ft. concr. curbs; 3 brick catchbasins; 65 lin. ft. vit. culverts; 1,762 sq. ft. asph. concr. pavement; 216 sq. ft. art. stone sidewalks.

Crossing Bennington and Ellert, and Bennington bet. Ellert and Newman (where not already), involving the resetting of 31 lin. ft. granite curbs, construction of 57 lin. ft. concr. curbs; 284 sq. ft. art. stone sidewalks; 2,561 sq. ft. asph. concr. pavement, 2 brick catchbasins.

San Jose Ave. bet. Ottowa and Sickles involving 8m530 cu. yds. cut; 4,960 yds. fill; 5,816 lin. ft. concr. curbs; 590 lin. ft. 10-in. vit. culverts; 16 brick catchbasins; 124,415 sq. ft. asph. concr. pavement.

Jerrold Ave. bet. San Bruno and Napoleon, involving 1,660 lin. ft. concr. curbs; 58,500 sq. ft. asph. concr. pavement, 8 brick catchbasins and 240 lin. ft. 10-in. sewer.

Jules bet. Holloway and Grafton, involving 532 cu. yds. cut; 1178 cu. yds. fill; 1,200 sq. ft. concr. curbs; 10,000 sq. ft. concr. pavement and 14,000 sq. ft. asph. concr. pavement.

Widening of Castro St. bet. 17th and 19th Sts., approximate cost $8,600.

Geneva Ave. to county line; approximate cost, $4,000.

Specifications may be had from City Engineers' office, 3rd floor, City Hall. M. M. O'Shaughnessy, City Engineer.

Pomona, Los Angeles Co., Cal.—The $200,000 street improvement bonds voted in December, 1919, have been sold at par to the Citizens National Bank of Los Angeles. Sale of these bonds will enable the city to start a paving campaign comprising about 13 miles of streets in the business and residential sections. The first paving will be done in the business district. Sewer extensions will be made in some of the outlying districts before street paving is done there. The city will pay half the cost of improving 24 streets from the bond issue and property owners half, the total cost being about $400,000. F. C. Froedhe, City Engineer.

CALIFORNIA—The California Highway Commission will call for bids soon for constructing the Banning-Indio highway in two sections, one between Whitewater and Indio and the other between Whitewater and Banning.

LOS ANGELES, Cal.—W. D. McCray, 424 American Bank Bldg., awarded contract at $36,796.01 for improvement of Coringa Drive, involving 77,544 square feet grading at 20c ft; 77,544 sq. ft. oiling and rolling at 7c. ft.; 5,819 ft. curb at 72c ft; 29,445 sq. ft. sidewalk at 23c. ft.; 12,706 sq. ft. concrete gutter at 35c. ft. and reinf. concrete culverts $450 compl. C. T. Salata bid $37,796.56; engineer's estimate, $35,906.06.

EAST SAN DIEGO—Hickey & Harmon, 58 Second street, San Francisco, submitted lowest bid at $232,742.94 and will probably be awarded contract Nov. 3 for constructing 29 miles of sewers for East San Diego; bids opened by City Trustees Oct. 27, 1921. E. Paul Ford, City Engineer. Other bids were: Schultz Construction Co., 46 Kearny street, San Francisco, $236,054.79; Geo. R. Daley, San Diego, $287,429.79; R. H. Downer, Berkeley, $297,951.45; Martin Brkich, Los Angeles, $318,757.28. The project involves 92,689 ft. 6-in. vit. pipe, 6,550 6-in. vit. Y's, 60,343 ft. 8-in. cem. pipe, 4,256 8-in. cem. Y's, 443 manholes, 53 flush tanks, 541 ft. 6-in. C. I. pipe, 132 ft. 8-in. C. I. pipe, 45 concr. piers.

CALIFORNIA—Following bids received by State Highway Commission October 31 for highway projects: Los Angeles County, between Las Flores Canyon and Santa Monica (VII-LA-60-B), about 7.4 miles in length, to be paved with Portland cement concrete. 210,000 cu. yds. excavation without classification; 14,810 yds. class "A" Portland cement concrete (pavement); 480 cu. yds. class "A" Portland cement concrete (culverts and monuments); 126 lin. ft. 18-in., 1,104 lin. ft. 24-in. 148 lin. ft. 30-in. and 512 lin. ft. 36-in. reinforced concrete pipe; 3,000 lin. ft. guard rail; 227 monuments. Commission will furnish reinforcing steel, reinforced concrete pipe, cement and sand and coarse aggregate for concrete.

Mercer-Fraser Co., Eureka	$321,231.64
Warren Constr. Co., Portland, Ore.	246,417.90
Kaiser Paving Co., Oakland	333,640.50
Riley & Peterson & Fenton, San Diego	277,645.72
P. L. Burr., San Francisco	250,347.00
Wells & Bressler, Santa Ana	259,409.00
Jas. G. Beckjorg, L. A.	326,861.00
Lee Moor Contracting Co., El Paso, Texas	206,739.30
Chadwick & Sykes, S. F.	253,871.50
Dillon & Francisco, L. A.	444,864.00
Twohy Bros., San Francisco	276,561.00
R. J. Blanco, Vallejo	283,809.00
Lyn S. Atkinson, L. A.	369,565.00
Southwest Paving Co., L. A.	263,557.90
L. A. Paving Co., L. A.	219,997.83
Pacific Constr. Co., S. F.	293,275.50
Geo. L. Curtis, Los Angeles	282,588.00
Bates & Borland, Oakland	306,751.50
Grant, Smith & Co., S. F.	334,849.00
Shattuck Constr. Co., L. A.	290,507.00
Erickson & Petterson, S. F.	300,492.00
Winfield E. Hall, Riverside	311,115.50
Engineer's estimate	329,161.05

San Joaquin County, between 1.3 miles East of Clemente and Easterly Boundary (III-SJ-24-A), about 4.3 miles in length, to be graded. 23,000 cu. yds. excavation without classification; 95 cu. yds. class "A" concrete (culverts and monuments); 522 lin. ft. 12-in., 268 lin. ft. 15-in., 30 lin. ft. 18-in. and 80 lin. ft. 24-in. corrugated metal pipe; 4,000 lin. ft. guard rail; 54 monuments. Commission will furnish reinforcing steel, corrugated metal pipe, cement and sand and coarse aggregate for concrete.

W. H. Kettlewell, Oakland	$ 28,000.00
Blumkranz & Vernon, Stockton	26,101.20
Hart Bros., Ripon	21,231.00
Jesse L. Franklin, Stockton	25,240.00
E. E. O'Brien, Martinez	30,855.00
J. E. Johnston, Stockton	38,818.70
Joseph Wilmshurst, S. F.	32,278.00
J. F. Conner, Los Angeles	27,569.00
Clark & Henry, Stockton	30,366.50
Engineer's estimate	32,949.00

SACRAMENTO, Cal.—Until Nov. 28, 2 p. m., bids will be received by State Highway Commission, Forum Building, for constructing 2½ miles of highway in Santa Barbara County and 2.3 miles in Fresno County. **See call for bids under official proposal column in this issue.**

FRESNO, Fresno Co., Cal.—Until November 10, 3:30 p. m., bids will be received by R. Y. St. George, City Clerk, for constructing artificial stone sidewalks in Inez St., from Huntington Blvd. to Kern St. Imp. Act 1911. Certified check of 10%, payable to city, required. Wm. Stranahan, Commissioner of Public Works.

RICHMOND, Contra Costa Co., Cal.—Definite action will be taken by City Council at next meeting regarding proposed improvement of Bay View avenue and Fifty-sixth street. Council petition to improve Ohio street, from Thirty-seventh to Forty-first, and Thirty-seventh from Macdonald avenue to Ohio street. Council orders plans for paving Lincoln avenue, from Twenty-third to Twenty-ninth streets, including streets between and for a portion of McBryde avenue. H. D. Chapman, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—Until November 8, 7:30 p. m., bids will be received by Walter L. Bachrodt, secretary, Board of Education, for paving North Sixth street, adjacent to Horace Mann School. Certified check 10%, payable to secretary, required with each bid. Wm. Popp, City Engineer.

SACRAMENTO, Cal.—Until November 21 bids will be received by Harry W. Hall, County Clerk, for paving with concrete gaps of highway between Sacramento and Rio Vista; approximately 12,000 feet. Drury Butler, County Surveyor.

FRESNO, Fresno Co., Cal.—City Council, R. Y. St. George, Clerk, declares intention to improve portions of University Ave., Van Ness Blvd., Moroa Ave., etc., by grading, concrete curbs, gutters and sidewals, corrugated culverts, paving with 3½-in. asph. conc. base with 1½-in. Warrenite-Bitulithic wearing surface. Imp. Act 1911. Protests Nov. 17. Wm. Stranahan, Commissioner of Public Works.

CHICO, Cal.—Byrne and Yost, Sacramento, at $53,362.65 submits low bid to trustees for street improvements in Thirteen subdivision. Other bidders: Federal Constr. Co., San Francisco, $58,627.72; W. A. Kettelwell & Son, Kingsburg, $54,325.92; Kauffield & Tompkins, Fresno, $56,772.80; A. Teichert & Son, Sacramento, $60,311.19; Chico Contracting Co., Chico, $58,419.98. Estimate of City Engineer F. S. Robinson, $55,000. Project involves: 183,000 sq. ft. 4-in. concr. pavement, 9,000 lin. ft. concr. gutters, 5,000 lin. ft. concr. curbs and 26,000 sq. ft. cement sidewalks.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, declares intention to construct 8-in. vit. pipe sewer in Montgomery St. from Mather 785 ft. northeasterly, 2 vit. pipe lampholes, wyes, etc. Protests Nov. 17. Geo. Mattis, City Engineer.

BAKERSFIELD, Kern Co., Cal.—Rogers Bros. Co., 350 Merrick St., Los Angeles, awarded contract by Supervisors at $288,000 for paving with concrete 5.78 mi. on Reward road from McKittrick northwest in Road Imp. Dist. No. 15. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, engineer. Other bids received were: Geo. H. Oswald, Los Angeles, $299,000; T. A. Hanrahan, San Francisco, $319,000; Thompson Bros., Fresno, $336,000; Peter L. Ferry, Glendale, $359,600; engineer's est., $352,400. The contract involves 31,900 cu. yds. excav.; 518,850 sq. ft. 8-in. concr. pavement; 56,836 sq. ft. 8-in. concr. pavement reinforced; 55,200 lbs. reinf. steel; 28 corru. iron culverts, 12 to 48-in. diameter; 1400 cu. yds. excav. for culverts; 170 cu. yds. plain and 42 cu. yds. reinf. concr. for culvert and walls; 4820 lbs. reinf. steel.

FRESNO, Fresno Co., Cal.—City Council awards contract as follows:

Thompson Bros., 1514 H St., Fresno, 6-in. vit. clay pipe lateral sewer in portions of Clara Ave., $.80 lin. ft.; manholes, $75 ea.

Thompson Bros., Normal Ave. bet. Van Ness Blvd. and Lucerne Lane, grading, $.03 sq. ft.; paving, $.21 sq. ft.; concr. curbs, $.60 lin. ft.; gutters, $.22 sq. ft.; sidewalks, $.22 sq. ft.

Frederickson and Shannon, Cory Bldg., Fresno, paving alley bet. Boles, North Park, Frank and Belmont St. with 5-in. concr., $.22 sq. ft.; grading, $.04 sq. ft. Wm. Stranahan, Comm. of Pub. Works.

LOS ANGELES, Cal.—Until 11 a. m., Nov. 21, bids will be received by Supervisors of Los Angeles County for paving College Ave. from Vernon and Downey Road south to Gallatin in Road District No. 4, involving 2,377 cu. yds. excav., hauling and placing 1,860 tons disint. granite, 9,857 lin. ft. shaping roadbed, 21,965 sq. yds. 3½-in. asph. concrete base and 1½-in. asph. concrete wearing surface. County will furnish disint. granite. Average haul, 1 mile from S. P. Ry. at Downey. This is a cash job.

BAKERSFIELD, Kern Co., Cal.—A joint committee of City Council and the Civic Commercial Association has recommended that the city purchase the existing water plants in Bakersfield for a municipal water system. The committee opposes adoption of the Olmsted report estimating the cost of an adequate water system at $1,500,000.

SANTA CRUZ, Santa Cruz Co., Cal.—Until Nov. 16, 4:30 p. m., bids will be received by J. H. Garrett, clerk, Board of Education, for 5385.22 sq. ft. grading; 4545.22 sq. ft. concr. pavement; 840 sq. ft. of concr. sidewalk (incl. 214 lin. ft. of concr. curb); 108 lin. ft. of 4-in. sewer laterals (4 laterals ea. 27 ft. long); 4 hand hole traps, complete; 4 taps in the main sewer; 26 lin. ft. of 5¾-in. x 12-in. part circles corru. iron culvert. Cert. check 10% payable to Board of Education required with each bid. Plans may be had from office of City Engineer James K. James.

NAPA, Napa Co., Cal.—L. J. Alexander Co., at $1.60 a yd., awarded contract by supervisors for surfacing with crushed rock certain streets in the Town of Yountville. Only other bidder, Simon Lenz & Son, $2.23 yd.

Alexander, at $2.40 yd., awarded contract for surfacing with crushed rock County Road known as Center Ave. Lenz bid, $2.49 yd.

No bids received for surfacing with gravel that portion of the Berryesa road bet. George W. Raney ranch and bridge across Capell Creek. Work ordered by day labor. Edw. P. Ball, County Surveyor.

SACRAMENTO, Cal.—Until Nov. 21, 2 p. m., bids will be received by Harry W. Hall, County Clerk, for constructing concr. highway on portions of River road as follows: From southeast end of Dist. 744 to the north end of the concrete at Hood, a distance of 12,000 ft.; from the south end of the concrete at Hood to the north end of the concrete at Gannons, a distance of 2,822 ft.; and from the south end of the concrete north of Hollister's house to the beginning of the concrete on Randall Island Levee, a distance of 2,046 ft. Bids will be accepted for the project as a whole or in sections. Cert. check 10% payable to Chair. Bd. of Sup. required. Drury Butler, County Surveyor.

WASHINGTON, D. C.—A Federal appropriation of $2,500,000 for aiding in the construction of the Roosevelt highway along the Pacific Coast in Oregon is sought in a bill introduced by Representative Hawley, Republican, Oregon. The State of Oregon would contribute a similar amount.

TORRANCE, Los Angeles Co., Cal.—J. D. Beckjord, 718 San Fernando Bldg., Los Angeles, submitted only bid to City Trustees, at $54,431.15, for improving about 7 city streets, involving 21,000 cu. yds. grading on 586,800 sq. ft. roadway; 207,000 sq. ft. graveling and oiling; 86,400 sq. ft. 3-in. macad.; 14,142 ft. curb and 27,973 sq. ft. walk. H. R. Postle, City Engineer. Bids taken under advisement until Nov. 8.

PASADENA, Los Angeles Co., Cal.—Mlagenovich & Gillespie, 1039½ W. 36th St., Los Angeles, submitted low bid at $50,900 for constructing sewer system in Mountain and other streets, Pasadena Heights, involving 24,939 ft. 8-in., 2,298 ft. 14-in., 1,402 ft. 16-in., 392 ft. 20-in. vit. pipe and 96 manholes. Other bids received by City Directors were: Martin Brkich and R. N. Nikcevich, 652 N. Broadway, Los Angeles, $51,096.04; S. C. Kruly and T. J. Milosevich, Los Angeles, $52,000; R. S. Tomich, Los Angeles, $52,181; Leo Miletich, Los Angeles, $55,000; W. T. Ellington, Los Angeles, $63,700; Nick Chutuk, Los Angeles, $64,665. Bids taken under advisement.

MADERA, Madera Co., Cal.—Until Nov. 15, 8 p. m., bids will be received by Lillian W. Rhodes, City Clerk, for constructing sewer system. Frank Nikirk, City Engineer. **See call for bids under official proposal column in this issue.**

NEWMAN, Stanislaus Co., Cal.—West Side United Chamber of Commerce is planning formation of highway district embracing territory from Tracy to Merced. Should the district be formed, the State Highway Commission will be asked to bear a portion of the cost of building the roads.

SANTA CRUZ, Santa Cruz Co., Cal.—Until Nov. 7, 5 p. m., bids will be received by S. A. Evans, City Clerk, for placing 24,561.98 sq. ft. 2-in. bituminous concrete wearing surface on Soquel Ave., bridge, approaches and adjoining street intersections. Bids to be opened Nov. 8, 9:30 a. m. Certified check of 10%, payable to city, required with each bid. Plans on file in office of City Engineer, James K. James.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy completes specifications for improving Balboa St., bet. 23d and 24th Aves.; estimated cost, $12,500. Involves 5,215 cu. yds. cut; 480 lin. ft. concr. curbs; 220 lin. ft. 8-in. and 125 lin. ft. 6-in. vit. sewer; 5 8-in. wye branches; 2 brick manholes; 2,880 sq. ft. art. stone sidewalks; 3,360 sq. ft. vertical fiber brick pavement and 8,640 sq. ft. asph. concr. pavement.

For constructing approx. 67,600 sq. ft. art. stone sidewalks in portions of Anza, Balboa, Cabrillo, Fulton, 15th to 17th Aves., and 20th to 26th Aves. Estimated cost, $11,500.

Improving Liberty St., bet. Church and Sanchez; estimated cost, $70,000. Involves 15,284 cu. yds. excavation; 2,137 cu. yds. fill; 1,184 sq. ft. art. stone sidewalks; 64 lin. ft. concr. curbs; 876 lin. ft. 12-in. and 729 lin. ft. 8-in. vit. sewers; 34 12-in. and 21 8-in. vit. wyes; 972 lin. ft. 6-in. vit. side sewers; 50 6-in. vit. pipe traps; 14 brick manholes; 1 brick drop manhole; 1,129 lin. ft. galv. iron pipe railing.

MARTINEZ, Contra Costa Co., Cal.—Until Nov. 16, 11 a. m., bids will be received by J. E. Rodgers, Clerk, Alhambra Union High School District, Martinez, for grading new high school site. Certified check of 10%, payable to Board of Trustees of District, required with each bid. Specifications may be had from Clerk at Martinez.

(Continued on Page 31.)

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2505	MacMahon	Owner	2700
2506	Russ	Owner	5000
2507	Connelly	Scott	765
2508	Fr. Hospital	Owner	1500
2509	Woods	Owner	1600
2510	Harris	Pearson	500
2511	Magnuson	Owner	6000
2512	Whiting	Hardy	900
2513	Hosmer	Biller	800
2514	Banca	Ceistina	700
2515	Bosqui	Johns	800
2516	Tobin	Costello	6000
2517	Johnson	Owner	10000
2518	Denhard	Terrill	10890
2519	Trainor	Fink	9250
2520	Union Oil	Owner	500
2521	Chickizola	American	1200
2522	Jackson	Barrett	8000
2523	Lapham	Owner	7000
2524	Hamilton	Moller	3250
2525	Gawthorne	Moinberger	9500
2526	Bank of Italy	Owner	1500
2527	Caglieri	American	1600
2528	McCarthy	Arnott	5200
2529	Harris	Owner	1800
2530	Arnott	Arnott	4800
2531	Crocker	Samuelson	3900
2532	Crocker	Samuelson	3500
2533	Stern	McIntosh	500
2534	Levin	Owner	2000
2535	Appmann	Owner	850
2536	Roundey	Owner	4000
2537	Eppstein	Owner	900
2538	Dennis	Nelson	4000
2539	Marty	Jensen	1900
2540	Crowe	Cameron	15500
2541	Bollman	Cahill	6000
2542	Ocean	Cairns	12000
2543	Field	Taylor	1000
2544	Carusio	Owner	8000
2545	Amer. Ry. Ex.	Snook	3800
2546	Smith	McKenzie	500
2547	Reinhart	Lewis	6000
2548	Johnson	Anderson	1700
2549	Gianduja	Owner	4000
2550	Johnson	Owner	3000
2551	Zeile	Carlson	4916
2552	Langguth	Fontanella	5135
2553	Whelan	Delaney	3675
2554	Farrall	Schell	650
2555	Lurie	Barrett	37500
2556	Wiedeman	Carlson	12000
2557	Foster	Owner	500
2558	Pirag	Owner	600
2559	Krasiamias	Owner	800
2560	Brooks	Albertson	7500
2561	Land	Wilson	1000
2562	Levy	Arlie	927
2563	Bjorkman	Owner	3000
2564	Mahony	Owner	3750
2565	Boe	Owner	4000
2566	Lindeman	Lindeman	5000
2567	McCarthy	Arnott	2575
2568	Standard Oil	Sartorius	65870
2569	Standard Oil	Randall	31000
2570	Sanfilippo	Hamill	17000
2571	Union Oil	Owner	2000
2572	Ede	Owner	5000
2573	Bank of Italy	Grace	20000
2574	Nicols	Stern	500
2575	Steiner	Johnson	10000
2576	Dorsett	Fahlen	1500
2577	Ingleside	Leonard	50000
2578	Westerberg	Westerberg	1900
2579	Hollingsworth	Scully	1000
2580	Homes	Mangels	13000
2581	O'Brien	Kiernan	25110
2582	Anderson	Meyer	12800
2583	Curran	Pac. Fire Ex.	5000
2584	Curran	Scott	12160
2585	Curran	Palace	2750
2586	Curran	Decker	31000
2587	Curran	Morrison	7357
2588	Curran	Hillard	12250
2589	Scharff	Ohlsen	3100

PERMITS

RESIDENCE
(2505) SE COLLINGWOOD AND 21ST Streets. One and one-half-story and basement frame residence.
Owner—Ida MacMahon, No. 630 Castro Street.
Architect—Plans by owner.
Day's work. $2700

REMODEL
(2506) SW DIVISADERO AND WALLER Streets. Rearrange present residence into apartments; 3 flats on first floor, 2 on second.
Owner—Robert E. Russ, No. 255 Montgomery St.
Architect—E. A. Neumarkel, No. 544 Market St.
Day's work. $5000

ALT. AND ADD.
(2507) Altering residence for two flats; addition of bath rooms, etc.
Owner—Mrs. L. E. Connelly, No. 1331 11th Ave.
Architect—None.
Contractor—F. H. Scott, No. 1511 Ellis Street. $765

ADD. AND ALT.
(2508) S GEARY BET. 5TH AND 6TH Avenues. Additions and alterations for diningroom for hospital.
Owner—French Hospital, Premises.
Architect—Albert J. Fabre, No. 110 Sutter St.
Day's work. $1500

REMODELING
(2509) NO. 79 LIBERTY ST. Tear down porch; rebuild diningroom; other minor changes for dwelling.
Owner—Etta G. Woods, Premises.
Architect—None.
Day's work. $1600

UNDERPIN
(2510) NO. 124 TURK ST. Underpin rear section of hotel with brick.
Owner—I. Harris, Premises.
Architect—None.
Contractor—E. K. Pearson, No. 2372 Bryant St. $500

FLATS
(2511) E 20TH AVE. 150 S. Anza Two-story and basement frame (2) flats.
Owner—August Magnuson, No. 221 Noe Street.
Architect—C. O. Clausen, Hearst Bldg.
Day's work. $6000

ALTERATIONS
(2512) NO. 3839 23RD ST. Raise one-story frame cottage; lay concrete floor; terrazzo steps, etc.
Owner—L. Whiting, Premises.
Architect—None.
Contractor—A. M. Hardy, No. 6217 California St. $900

BUILD WALL, ETC.
(2513) W. UTAH 50 S. 15th. Build 8-in. brick wall for repair shop.
Owner—A. Hosmer, Foxcroft Bldg.
Architect—None.
Contractor—J. Biller, No. 460 Montgomery St. $800

RETAINING WALL
(2514) NO. 2 COLUMBUS AVE. Construct brick retaining wall for bank.
Owner—Banca Popolari Fagazi, No. 2 Columbus Ave.
Architect—Italo Zanolini, No. 604 Montgomery St.
Contractor—G. Ceistina. $700

ASBESTOS ROOF
(2515) NO. 2701 PACIFIC Ave. Asbestos roof for residence.
Owner—Mrs. Bosqui, Premises.
Architect—None.
Contractor—Johns-Manville Co., No. 500 Post St. $800

FLATS
(2516) W. 2ND AVE. 231-11 S. Cabrillo. Two-story and basement frame (2) flats.
Owner—Richard Tobin, No. 629 Clayton
Architect—None.
Contractor—Costello Bros., No. 18 Ney St. $6000

FLATS
(2517) E. LYON 82-6 & 110 S. Greenwich. Two 2-story and basement frame (2 in each) flats.
Owner—Ernest Johnson, No. 581 Belvedere St.
Architect—None.
Day's work. $5000 ea.

STORE, FLAT BLDG.
(2518) SW 10TH AND CABRILLO S 30 x W 82-6. Two-story frame bldg., store and flat, and 1-story garage.
Owner—Otto E. Denhard.
Architect—Not given.
Contractor—Wm. N. Terrill, 3631 17th St.
Filed Oct. 28, '21. Dated Oct. 27, '21.
2nd story joists on.....$2040.00
Frame up ready for roofing.. 2040.00
Brown coated 2040.00
Completed and accepted..... 2047.50
Usual 35 days 2722.50
TOTAL COST, $10,890
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

ALT. AND ADD.
(2519) 186 GEARY ST. Alterations and additions to store.
Owner—Trainor-Parsons Optical Co., Premises.
Architect—Not given.
Contractor—The Fink & Schindler Co., 226 13th St.
Filed Oct. 28, '21. Dated Oct. 21, '21.
On execution of contract.....$1000
Balance paid by promissory note payable in quarterly installments of $1000, commencing Feb. 1, 1922.
TOTAL COST, $9250
Bond, sureties, forfeit, limit, plans, specefications, none.

FOUNDATIONS
(2520) NE BRANNAN AND 4TH STS. Construct foundations, etc., for auto supply station.
Owner—Union Oil Co. of Calif. No. 247 Mills Bldg.
Architect—Plans by Owners.
Day's work. $500

RETAINING WALL
(2521) NE COLUMBUS AVE AND Broadway. Construct retaining wall.
Owner—J. B. and Teresa Chichizola, No. 1180 Filbert St.
Architect—None.
Contractor—American Concrete Co., No. 785 Market St., City. $1200

RESIDENCE
(2522) N FULTON 70 and 95 W 29th Ave. Two 1-story and basement frame residences.
Owner — Andrew Jackson, No. 516 O'Farrell St.
Architect—Ida F. McCain, No. 318 Kearny St.
Contractor—Barrett & Jackson, No. 516 O'Farrell St., City. $4000 ea.

RESIDENCE
(2523) SW GEARY AND 37TH AVE. One-story and basement frame residence.
Owner—A. R. Lapham, No. 5541 California St.
Architect—None.
Day's work. $7000

ALTERATIONS
(2524) E HYDE 92-6 S Pacific. Raise, alter and add for apartments.
Owner—J. T. Hamilton, No. 820 Bryant St., San Francisco.
Architect—None.
Contractor—Fred Moller, No. 614 Call Bldg., San Francisco. $3250

FLATS
(2525) S BALBOA 32-6 E 17th Ave. Two-story and basement frame (2) flats.
Owner—Dr. F. A. Gawthorne, No. 810 Phelan Bldg.
Architect—None.
Contractor—H. S. Meinberger, No. 5720 California St. $9500

FOUNDATIONS
(2526) NW CASTRO & 17TH STS. Construct foundations for one-story brick bank building.
Owner—Bank of Italy, Powell and Eddy Sts.
Architect—Edward T. Foulkes, No. 1106 Crocker Bldg.
Day's work. $1500

RETAINING WALL
(2527) NO. 21 COLUMBUS AVE. Construct street retaining wall.
Owner—Dr. G. E. Caglieri, No. 21 Columbus Ave.
Architect—None.
Contractor—American Concrete Co., No. 785 Market St. $1600

RESIDENCES
(2528) W. CAPITOL AVE. 25 and 50 N. Grafton. Two 1-story and basement frame residences.
Owner—McCarthy Co., No. 316 Bush St.
Architect—None.
Contractor — Jas. Arnott & Son, No. 4165 20th St. $2600 ea.

DWELLING
(2529) SW DOLORES AND 28TH STS. One-story and basement frame dwelling.
Owner—Sidney Harris, No. 1559 Dolores St.
Architect—None.
Day's work. $1800

RESIDENCE
(2530) N DORCHESTER WAY 100 E Claremont. One and one-half-story and basement frame residence.
Owner—Jas. Arnott, No. 4165 20th St.
Architect—None.
Contractor—Jas. Arnott & Son, No. 4165 20th St. $4800

RESIDENCE
(2531) NE EDINBURGH & AMAZON. One-story and basement frame residence.
Owner—Crocker Estate Co., 525 Crocker Bldg.
Architect—None.
Contractor—A. M. Samuelson, No. 290 Rolph St. $3900

RESIDENCE
(2532) W EDINBURGH 107.437 S Amazon. One-story and basement frame residence.
Owner—Crocker Estate Co., No. 525 Crocker Bldg.
Architect—None.
Contractor—A. M. Samuelson, No. 290 Rolph St. $3500

ALTERATIONS
(2533) NO. 338 8TH AVE. Alterations for basement garage in dwelling.
Owner—H. D. Stern, No. 980 Folsom Street.
Architect—None.
Contractor—McIntosh Bros., No. 180 Jessie St. $500

FACTORY BLDG.
(2534) NE FOLSOM AND MOSS STS. One-story frame factory building.
Owner—M. Levin & Son, No. 2201 3rd Street.
Architect — William Spivock, 1181½ Howard St.
Day's work. $2000

ADDITION
(2535) NO. 522 JOOST AVE. Construct two-room addition for residence.
Owner—Geo. H. Appmann, No. 522 Joost Ave., City.
Architect—None.
Day's work. $850

DWELLINGS
(2536) SW LE CONTE 25 and 50 S. E. Lane. Two 1-story and basement frame dwellings.
Owner—Roundey Realty Co., No. 995 Market St.
Architect—None.
Day's work. $2000 ea.

REMODELING
(2537) N MARKET 50 E Jones. Construct new store front; add mezzanine floor.
Owner—Eppstein Drug Co., No. 1110 Market St.
Architect—S. Heiman, No. 57 Post St.
Day's work. $900

RESIDENCE
(2538) W PLYMOUTH AVE. 193 N. Montecito. One-story and basement frame residence.
Owner—J. J. Dennis, No. 411 15th Ave.
Architect—Chas. Strothoff, No. 2274 15th St.
Contractor — Nelson Bros., No. 1375 Plymouth Ave. $4000

REPAIRS, ETC.
(2539) NO. 156 TEHAMA ST. Repair damage to rooming house; painting, tinting, etc.
Owner—Louis Marty, No. 52 San Jose Avenue.
Architect—None.
Contractor—James Jensen, No. 550 Valencia St. $1900

RESIDENCE
(2540) N FILBERT 108 W Divisadero. Three-story and basement frame residence.
Owner—Milton H. Crowe, No. 1742 Jones St.
Architect—Lewis M. Gardner, No. 942 Pine St.
Contractor — Cameron & Disston, Hearst Bldg. $15,500

CLOSE LIGHT CT., ETC.
(2541) SE 4TH AND BRANNAN STS. Close up main light court and carry 2nd and 3rd floors over light well space; all work of reinforced concrete and steel.
Owner—John Bollman Co., Branch of Leggett & Myers Tobacco Co., Premises.
Architect—Weeks & Day, Phelan Bldg.
Contractor—Cahill-Vensano Co., No. 110 Sutter St. $6000

CHURCH BLDG.
(2542) N OCEAN AVE. 162 W Mission. Frame church building.
Owner—Ocean Avenue Presbyterian Church, No. 4609 Mission St.
Architect—Miss Julia Morgan, Merchants Exchange Bldg.
Contractor—Robert J. Cairns, No. 100 Conrad St. $12,000

REMODELING
(2543) N PACIFIC AVE. 150 W Scott. Rearrange front of residence for private garage; replace wood and concrete steps with brick.
Owner—Alexander Field, No. 2712 Pacific Ave.
Architect—None.
Contractor—Taylor & Jackson, No. 290 Tehama St. $1000

RESIDENCE
(2544) W 21ST AVE. 140 S California. One-story and basement frame residence.
Owner—L. M. Carusio Co., No. 2348 Clement Street.
Architect—None.
Day's work. $8000

HEATING PLANT
(2545) SE FOLSOM & HAWTHORNE E 250 x S 275. Steam heating plant for stable and garage buildings.
Owner—American Railway Express Co., Wells Fargo Bldg., 2nd and Mission Sts.
Engineer—Jas. W. Humphreys, Wells Fargo Bldg., San Francisco.
Contractor—Frederick W. Snook Co., 596 Clay St.
Filed Nov. 1, '21. Dated Oct. 25, '21.
Completed and accepted.....75%
Usual 35 days.....25%
TOTAL COST, $3800
Bond, $1900; sureties, Everett T. Grimes and Wm. S. Morse; forfeit, none; limit, 20 days. Plans and specifications filed.

REMODELING
(2546) NO. 1912 CLAY ST. Cutting in dormers for residence; making three rooms in attic.
Owner—Willis R. Smith, No. 2700 California St.
Architect—None.
Contractor—K. H. McKenzie, No. 1025 Anza St. $500

RESIDENCE
(2547) W DEWEL BLVD. 500 N. Pacheco. One-story and basement frame residence.
Owner—C. E. Reinhart, 17th and Kansas Sts.
Architect—None.
Contractor—H. C. Lewis, No. 68 Post Street. $6000

ALT. AND ADD.
(2548) NO. 973 GREEN ST. Alterations and minor additions for residence; plastering, etc.
Owner—Hiram W. Johnson, Jr., Premises.
Architect—None.
Contractor—J. M. Anderson, No. 1612 Pacific Ave. $1700

ALTERATIONS, ETC.
(2549) NO. 360 O'FARRELL ST. Alter restaurant front; remove partitions; raise brick wall; construct toilets, etc.
Owner—Gianduja Co., No. 1549 Stockton St.
Architect—J. A. Porporato, No. 619 Washington St.
Day's work. $4000

RESIDENCE
(2550) E 27TH AVE. 132 S. Balboa. One-story and basement frame residence.
Owner—J. M. Johnson, No. 1920 Pine Street.
Architect—Morrow and Garren, No. 1605 Chronicle Bldg., City.
Day's work. $3000

RECORDED

RESIDENCE
(2551) E PARK HILL AVE 77-7½ S Buena Vista. All work except roofing, roof tile, painting, plumbing, electrical wiring, and tile work for a 2-story and basement frame residence.
Owner—John E. Zeile, 1501 Sansome Street.
Architect—Dodge A. Riedy, Pacific Bldg.
Contractor—O. E. Carlson, 180 Jessie Street.
Filed Nov. 1, '21. Dated Oct. 29, '21.
Frame up and roof sheating on $1220.00
Plastering completed 1500.00
Completed and accepted 976.60
Usual 35 days 1220.00
TOTAL COST, $4916.60
Bond, $2460; surety, American Indemnity Co.; forfeit, none; limit, 45 days. Plans and specifications filed.
NOTE:—Permit reported June 23, 1921, No. 1393.

STORE BLDG.
(2552) S CLEMENT 40 E 11th Ave E 25 x S 100. One-story frame store building.
Owner—Frances J. Langguth.
Architect—E. A. Garin, 1849 Page St.
Contractor — Louis Fontanella, 1682 Eddy St.
Filed Nov. 1, '21. Dated Oct. 31, '21.
Frame up $1000.00
Enclosed and roofed 1000.00
Plastered 1000.00
Completed and accepted 851.45
Usual 35 days 1284.00
TOTAL COST, $5135.45
Bond, $1300; sureties, W. A. Macdonald and Adam Arras; forfeit, none; limit, $5. Plans and specifications filed.

RESIDENCE
E PLYMOUTH AVE. 70 S. Montecito. One-story and basement frame residence.
Owner—H. L. Heiss, No. 318 Kearny Street.
Architect—Ida F. McCain, No. 318 Kearny St.
Contractor—Walter E. Hansen, No. 3235 Market St. $4000
NOTE:—Recorded contract reported Oct. 27, 1921, No. 2479.

ALT. AND ADD.
(2553) NO. 2853 ARMY ST. Alterations and minor additions for stores and dwelling.
Owner—Mrs. Jas. Whelan, Premises.
Architect—Plans by Contractor.
Contractor—Chas. A. Delaney, No. 2955 Pine St. $3675

RETAINING WALLS
(2554) SE FOURTH AND HOWARD Sts. Construct retaining walls.
Owner—Annie N. Farrall, No. 2415 Octavia St.
Architect—None.
Contractor—S. Schell, No. 180 Jessie St. $650

STORAGE ROOMS, ETC.
(2555) N HOWARD 200 E Second St. Two-story Class C storage rooms and offices.
Owner—Louis R. Lurie, Mills Bldg.
Architect—O'Brien Bros., No. 240 Montgomery St.
Contractor—Barrett and Hilp, 918 Harrison St. $37,500

APARTMENTS
(2556) W HYDE 62-6 N Ellis. Four-story and basement reinforced concrete (7) apartments.
Owner—Henry Wiedeman, No. 3485 21st Street.
Architect—None.
Contractor—O. E. Carlson, No. 180 Jessie St. $12,000

REPAIRS, ETC.
(2557) SE MISSION & FOURTEENTH Sts. Repairs and alterations for retinning plant.
Owner—Foster & Kleiser, Oakland, Calif.
Architect—L. Johnson, No. 783 Alder St.
Day's work. $500

RESIDENCE
(2558) NO. 1637 PALOU AVE. One-story and basement frame residence.
Owner—J. Pirag, No. 1397 Palou Ave.
Architect—None.
Day's work. $600

ALTERATIONS
(2559) NO. 470 THIRD ST. Alterations for restaurant.
Owner—Geo. Krasiamias.
Architect—Gus Anastopoules, No. 688 Harrison St.
Day's work. $800

FLATS
(2560) W 24TH AVE 225 N Irving. Two-story and basement frame (2) flats.
Owner—B. Brooks, No. 300 Russ Bldg.
Architect—None.
Contractor—R. H. Albertsen, No. 610 Claus Spreckels Bldg. $7500

EXCAVATING, ETC.
(2561) NO. 449 BUENA VISTA AVE Excavating, etc., for basement garage; cement plaster front, etc., for dwelling.
Owner—A. T. Land, Premises.
Architect—Chas. F. Strothoff, No. 2276 15th St.
Contractor—Wilson and Benson, No. 420 Russia Ave, $1000

REMODEL, ETC.
(2562) NO. 126 COMMONWEALTH Ave. Rearrange windows and install doors; T & G roofing, etc, for residence.
Owner—Louis Levy, Palace Hotel.
Architect—None.
Contractor—Antoine Arlie, No. 1527 Pine St. $927

RESIDENCE
(2563) W MISSION 340 N. Charles. Two-story and basement frame residence.
Owner—Victor Bjorkman, No. 3214 Mission St.
Architect—None.
Day's work. $3000

REMODEL
(2564) SE GRANT AVE. AND PINE Sts. Divide top floor for rooms, etc.
Owner—Louise H. Mahony.
Architect—Sidney Newson, Wells Fargo Bank Bldg.
Day's work. $3750

DWELLINGS
(2565) W GENESEE 50 and 75 S. Hearst. Two 1-story and basement frame dwellings.
Owner—Anders M. Boe, No. 730 Joost Avenue.
Architect—None.
Day's work. $2000 ea.

RESIDENCE
(2566) E 10TH AVE 175 N Anza. One-story and basement frame residence.
Owner—H. O. Lindeman, No. 232 Anza Street.
Architect—W. R. Lindeman, No. 530 Balboa Street.
Contractor—W. R. Lindeman, No. 530 Balboa St. $5000

RECORDED

COTTAGE
(2567) W CAPITOL AVE 25 N Grafton Ave. N 25 x W 100 ptn lots 1, 2, 3, 4, blk 19, Lakeview. One-story frame cottage.
Owner—The McCarthy Co., 316 Bush Street.
Architect—Plans by contractor.
Contractor—James Arnott & Son, 4165 20th St., San Francisco.
Filed Nov. 2, '21. Dated Sept. 21, '21.
30 days after frame up.....25%
30 days after brown coated.....25%
30 days after completed and accepted 25%
Usual 35 days 25%
TOTAL COST, $2575
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Nov. 1, 1921, No. 2528.

ORNAMENTAL IRON WORK
(2568) SW BUSH & SANSOME 206-3 on Bush and 137-6 on Sansome. Ornamental iron work for office building.
Owner— Standard Oil Co.
Agent—Lindgren Co., Monadnock Bldg.
Architect—G. W. Kelham, Sharon Bldg.
Contractor—Sartorius Co., 15th and Utah Sts.
Filed Nov. 2, '21. Dated Oct. 3, '21.
Monthly 75%
Usual 35 days 25%
TOTAL COST, $65,870
Bond, $65,870; surety, Fidelity & Deposit Co. of Md.; forfeit, none; limit, Dec. 31, 1922. Plans and specifications filed.

(2569) PNEUMATIC ELEVATOR DOOR OPENING DEVICES ON ABOVE.
Contractor—Randall Control and Hydrometric Corp., 115 Mission St., San Francisco.
Filed Nov. 2, 1921. Dated Oct. 3, '21.
On or before 10th of each month.75%
Usual 35 days 25%
TOTAL COST, $31,000
Bond, $15,500; surety, The Aetna Casualty & Surety Co.; forfeit, none; limit, 125 days. Plans and specifications filed.

BUNGALOWS
(2570) LOT 1 N HIGHLAND 75 W Mission; Lots 2, 3, 4 W Mission 25, 50, 75 N Highland. Four 1-story frame bungalows.
Owner—Philip Sanfilippo, 902 Courtland Ave.
Architect—Not given.
Contractor—Thos. Hamill, 707 42nd Avenue.
Filed Nov. 2, '21. Dated Nov. 2, '21.
Rough frames up and roof boards on $5000
Brown coated 4000
Completed 4000
Usual 35 days 4000
TOTAL COST, $17,000
Bond, sureties, forfeit, none; limit, 120 days. Plans and specifications filed.
NOTE:—Permits reported Oct. 25, 1921, Nos. 2429 and 2428.

FURNITURE STORE
S CLEMENT 40 E 11th Ave. One-story frame furniture store.
Owner—Frances Langguith, No. 22 Montgomery St.
Architect—E. A. Garin, Monadnock Bldg.
Contractor—Fontanella and R. Teza, No. 1682 Eddy St. $4000
NOTE:—Recorded contract reported Nov. 2, 1921, No. 2552.

SUPPLY STATION
(2571) NE DRUMM & SACRAMENTO

Sts. One-story steel auto supply station.
Owner—Union Oil Co. of California, No. 247 Mills Bldg.
Architect—Plans by owners.
Day's work. $2000

ALTERATIONS, ETC.
(2572) NO. 1061 MARKET ST. (4th, 5th and 6th floors). Alterations for hat works, wire lath and plastering; plumbing, etc.
Owner—Wm. Ede Co., care Rucker Co.
Architect—Wm. Knowles, Hearst Bldg.
Day's work. $5000

ALTERATIONS, ETC.
(2573) MARKET AND GEARY STS. Alterations for banking rooms; rearrange mezzanine floor; elevator work, bank fixtures, etc.
Owner—Bank of Italy, Powell and Eddy Sts.
Architect—C. E. Gottschalk, Phelan Bldg.
Contractor—Grace and Bernieri, Claus Spreckels Bldg. $20,000

REMODEL, ETC.
(2574) NO. 1724 PINE ST. Remodel rear stairs and build private garage.
Owner—P. Nichols, No. 1409 Geary St.
Architect—None.
Contractor—J. Stern, No. 1409 Geary Street. $500

PLASTER EXTER., ETC.
(2575) NO. 2998 PACIFIC AVE. Metal lath and plaster exterior for residence; general repairs and alterations for interior and minor additions.
Owner—D. H. Steiner, care Architect.
Architect—Bernard J. Joseph, New Call Bldg.
Contractor—J. Harold Johnson, No. 180 Jessie St. $10,000

NEW FLOOR, ETC.
(2576) NO. 638 20TH ST. New flooring in restaurant; plumbing work, magnesite flooring in kitchen.
Owner—Ralph J. Dorsett, No. 638 20th Street.
Architect—None.
Contractor—W. G. Fahlen, No. 573 California St. $1,500

CHURCH BLDG.
(2577) SE GRANADA AND OCEAN Ave. Two-story and basement frame church.
Owner—Ingleside United Presbyterian Church, No. 666 Phelan Bldg.
Architect—Joseph A. Leonard, No. 666 Phelan Bldg.
Contractor—Jos. A. Leonard, No. 666 Phelan Bldg. $50,000

RESIDENCE
(2578) S HEARST AVE. 175 E Hamburger. One-story and basement frame residence.
Owner—N. G. Westerberg, No. 181 Bartlett St.
Architect—None.
Contractor—C. A. Westerberg, No. 181 Bartlett St. $1900

REPAIRS
(2579) NO. 1065 MARKET ST. Repair roofing and plastering for store and lofts (fire damage).
Owner—L. M. Hollingsworth, No. 605 Phelan Bldg.
Architect—None.
Contractor—J. E. Scully, Phelan Bldg., City. $1000

RESIDENCE
(2580) LOT 1 BLK 17 ST FRANCIS Wood. Extn. No. 1. Frame residence.
Owner—Homes Loan Corp.
Architect—C. B. Hopkins, Monadnock Bldg.
Contractor—Mangels Bros., 4792 Mission St.
Filed Nov. 3, 1921—Dated Oct. 1, '21.
Frame up $3250
Brown coated 3250
Completed and accepted 3250
Usual 35 days 3250
TOTAL COST, $13,000
Bond, $6500; sureties, Theresa Gamma and Jno. A. F. Steimke; forfeit, $5.00; limit, 120 days. Plans and specifications filed.

STORE BLDG.
(2581) N MISSION 47 W Ecker W 47 x N 112. One-story and basement reinforced concrete (store) bldg.
Owner—R. J. O'Brien, 110 Sutter St.
Architect—Albert W. Burgren 110 Sutter St.
Contractor—T. F. Kierman and R. J. O'Brien, 180 Jessie St.
Filed Nov. 3, '21. Dated Nov. 3, '21.
1st and 15th of each month.....75%
Usual 35 days 25%
TOTAL COST, $25,110
Bond, sureties, none; forfeit, $15 day; limit, 120 days. Plans and specifications filed.
NOTE:—Permit reported Oct. 21, 1921, No. 2389.

DWELLINGS
(2582) NE 23RD AVE & CABRILLO; E 23rd Ave N Cabrillo; N Cabrillo 95 E 23rd Ave. Three 1-story frame dwellings.
Owner — Jonathan Anderson, 5326 Geary St.
Architect—Not given.
Contractor—Theodore G. Meyer and Rollin E. Meyer, 5326 Geary St.
Filed Nov. 3, '21. Dated Oct. 15, '21.
Frame up $3200
Brown coated 3200
Completed 3200
Usual 35 days 3200
TOTAL COST, $12,800
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications, none.
NOTE:—Permit reported Oct. 19, 1921, No. 2350.

THEATRE BLDG.
(2583) S GEARY 137-6 W Mason W 106 S 137-6. Sprinkler system for Class A theatre building.
Owner—Curran Theatre Co.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—Pacific Fire Extinguisher Co., 440 Howard St., San Francisco.
Filed Nov. 3, '21. Dated Oct. 18, '21.
Roof tanks and connections installed $2400
Pumps and compressor installed 800
Completed and accepted 550
Usual 35 days 1250
TOTAL COST, $5000
Bond, $,5000; surety, Fidelity & Deposit Co. of Maryland; forfeit, none; limit, as soon as possible. Plans and specifications filed.

(2584) HEATING & VENTILATING SYSTEM ON ABOVE.
Contractor—Scott Co., 243 Minna St.
Filed Nov. 3, '21. Dated Oct. 18, '21.
Galv. ducts and steam piping in basement roughed in.....$1600
Galv. iron ducts and steam piping in walls and below balcony, gallery and mezz. floor installed 2000
Galv. iron ducts in attic installed 1000
Fans, motors, washer and Vento heating stack installed..... 3800
Completed and accepted..... 720
Usual 35 days 3040
TOTAL COST, $12,160
Bond, $12,160; surety, Fidelity & Deposit Co. of Maryland; forfeit, none; limit, soon as possible. Plans and specifications filed.

(2585) HARDWARE ON ABOVE.
Contractor—Palace Hardware Co., 581 Market St.
Filed Nov. 3, '21. Dated Oct. 18, '21.
Delivered in San Francisco..$2062.50
Installed 687.50
TOTAL COST, $2750
Bond, sureties, forfeit, none; limit, Feb. 1, 1922. Plans and specifications filed.

(2586) ELECTRICAL WIRING ON ABOVE.
Contractor—Decker Electrical Construction Co., 149 New Montgomery.
Filed Nov. 3, '21. Dated Oct. 28, '21.
Roughed in up to and incl. of level 14'-7¼" $7750
Work completely roughed in... 7750
Completed and accepted..... 7750
Usual 35 days 7750
TOTAL COST, $31,000
Bond, $31,000; surety, Fidelity & Deposit Co. of Maryland; forfeit, none; limit, soon as possible. Plans and specifications filed.

(2587) SHEET METAL WORK ON ABOVE.
Contractor—Andrew and Victor Berg and Joseph Silviera, as Morrison & Co., 769 McAllister St.
Filed Nov. 3, '21. Dated Oct. 31, '21.
Metal windows and flashings installed .....$ 517.75
Mansard roof and cornices installed 2000.00
Marquise installed 1000.00
Completed 2000.00
Usual 35 days 1839.25
TOTAL COST, $7357
Bond, $7357; surety, Fidelity & Deposit Co. of Maryland; forfeit, none; limit, soon as possible. Plans and specifications filed.

(2588) ORNAMENTAL IRON WORK METAL STAIRS, ETC., ON ABOVE.
Contractor—C. J. Hillard Co., Inc., 19th and Minnesota Sts.
Filed Nov. 3, '21. Dated Nov. 1, '21.
When stairs are completed..$6000.00
Completed and accepted..... 3167.50
Usual 35 days 3082.50
TOTAL COST, $12,250
Bond, $12,250; surety, Fidelity & Deposit Co. of Maryland; forfeit, none; limit, soon as possible. Plans and specifications filed.

DWELLING
(2589) LOCATION NOT GIVEN IN contract. One-story and basement dwelling, excepting plumbing and electric work, painting and water heater.
Owner—Ervin E. Scharff, Pacific Bldg.
Architect—Not given.
Contractor—A. H. Ohlsen, 707a Shotwell
Filed Nov. 3, '21. Dated Oct. 25, '21.
Roof on 25%
Brown coat and plaster on.....25%
Completed and accepted.....25%
Usual 35 days.....25%
TOTAL COST, $3100
Bond, sureties, forfeit, none; limit, Dec. 20, 1921. Plans and specifications, none.
NOTE—Permit also applied for today. The building is to be erected on N.E. Cabrillo St. and 41st Ave.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded **Accepted**
Nov. 2, 1921—N CLAY BET WEBster and Buchanan. The Board of Trustees of Leland Stanford Uni. to The J. E. Back Co....Oct. 28, 1921
Nov. 2, 1921—N O'FARRELL BET Powell and Mason 240 O'Farrell. Chas. Schlessinger to whom it may concern .....Nov. 2, 191

Nov. 2, 1921—W 8TH AVE 150-175 N Cabrillo by uniform depth of 120. Edward E. Manseau to whom it may concern. .....Nov. 2, 1921

Nov. 2, 1921—N CABRILLO 82 W 15th Ave W 25 N 120-8½ E 25 more or less S 121-2. Thos F. Bannan to whom it may concern...Oct. 31, 1921

Nov. 2, 1921—N CABRILLO 82 W 15th Ave W 25 N 120-8½ E 25 more or less S 121-2. Thos. F. Bannan to whom it may concern..Oct.31,1921

Nov. 2, 1921—SW MARY 80 NW Natoma NW 23 x SW 62-6. P. H. Bosworth to O. E. Carlson..... .....Nov. 2, 1921

Nov. 2, 1921—NE 20TH AVE AND Geary. W. H. Savage to whom it may concern .....Nov. 1, 1921

Nov. 2, 1921—NE EGBERT AVE 225 NW Phelps NW 64-1 E 100 SE 5 SW 80-8¼ ptn blk 522 Haley Purchase. Clara London to Jno. G. Chase. .....Nov. 2, 1921

Nov. 1, 1921—E VAN NESS AVE 96 N Vallejo N 55-9 E 69 S 11-9 E 25-5 S 44 W 94-5. Anna M. Waters and Rose E. Lawton to Kincanon & Perego .....Oct. 31, 1921

Nov. 1, 1921—N CARL 129 E COLE. Josephine Upman to John J. Binet Co. .....Oct. 31, 1921

Nov. 1, 1921—50 FT FRONTAGE ON NE Yerba Buena Ave. SE of Santa Monica Way SE 33 Lot 3 and NW 17 lot 4 blk 22. St. Francis Wood Exten. 2. Frances M. Smith to Fred Miller .....Oct. 31, 1921

Oct. 29, 1921—E JORDAN AVE 100 N Geary (No. 184 and 186 Jordan Ave.) 31-4 x 120. Henry J. and wife, Lillian M., Cullinane, to A. Petry. .....Oct. 29, 1921

Oct. 28, 1921—W YORK 325 S 26th W 25 S 77-9 m or 1 S 25-0⅞ m or 1 N 74-2. Wm. Miller to whom it may concern .....Oct. 28, 1921

Oct. 28, 1921—NE BUSH & HYDE E 195 N 137-6 W 57-6 N 10 W 137-6 S 147-6 to beg. Saint Francis Hospital Co. to Guilfoy Cornice Wks. .....Oct. 25, 1921

Oct. 28, 1921—S CLAY 82 W MASON W 33 x 58 to Malvina Place. Folke Monson to whom it may concern.. .....Oct. 28, 1921

Oct. 28, 1921—NE BUSH & HYDE E 195 N 137-6 W 57-6 N 10 W 137-6 S 147-6. Saint Francis Hospital Co. to Monarch Iron Works.... .....Oct. 25, 1921

Oct. 28, 1921—NW CABRILLO & 16TH Ave. W 82-6 x N 30. Costello Bros. to whom it may concern..Oct. 28, 1912

LIENS FILED

SAN FRANCISCO COUNTY

Recorded **Amount**

Nov. 2, 1921—W 8TH AVE 200 S Lake S 25 x W 120 No. 135 8th Ave. A. E. Richards vs. Irene Valentine and Helen J. Wernse....$160.00

Nov. 1, 1921—NW 29TH AVE 225 NW "P" NE 80-0¼ NW 5 W to pt on NW 29th Ave dist 289-1 NW P SE alg NW line 29th Ave. 61-1 to beg. H. S. Thomson vs J. G. Chase and Clara London $747.91

Nov. 1, 1921—1223, 1225 AND 1227 O'Farrell, San Francisco. F. Edwards vs Hannah Cohen....$500.00

Oct. 29, 1921—S WASHINGTON 106-3 E Lyon E 25 x S 127-8¼. Chas. F. Watson vs Alice E. G. Cunningham and C. C. Cunningham...$95.00

Oct. 27, 1921—E BENNINGTON 50 S Eugenia Ave. S 25 x E 70. Jas. M. Bailey vs Quida E. Moran....$80.00

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

Nov. 1, 1921—NE E-27TH ST 90 SE 21st Ave SE 60 NE 87-6, Oakland. Hunter Lumber Co. vs M. T. and M. B. Holcomb, C. K. Nichols....$797.57

Nov. 1, 1921—NE E-17TH ST 90 SE 21st Ave SE 60 NE 87-6, Oakland. Maxwell Hardware Co. vs M. T. and M. B. Holcomb and C. K. Nichols. $159.52

Nov. 1, 1921—S LAKE ST 90 E MADison St., Oakland. Oakland Lime & Cement Co. vs T. Lillian, Peter S. and Gizelle Krause.....$228.40

RELEASE OF BUILDING CONTRACT

SAN FRANCISCO COUNTY

Nov. 1, 1921—W. E. Adams to Mrs. H. Sheriff, release contract recorded Oct. 24, 1921.....

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
3770	Mootz	Spangler	7500
3771	Frederick	Owner	2000
3772	Oakland	Schnebly	1326
3773	Russell	Sommarstrom	4800
3774	McCorkle	Brasch	60
3775	Lawrence	Owner	500
3776	Boyd	Larmer	7578
3777	Grimes	Owner	2900
3778	Noble	Raines	785
3779	Morris	Owner	3000
3780	Breuner	Koff	8900
3781	Gierkey	Scott	400
3782	Branderman	Vaughn	500
3783	Fromberg	Owner	2000
3784	Reigels	Cereghino	600
3785	Odematt	Clark	4000
3786	Neary	Venn	2000
3787	Wilson	Owner	1800
3788	Hogue	Jordan	3500
3789	Allen	Jordan	9000
3790	Keane	Peppin	4500
3791	Anderson	Owner	2000
3792	Gigax	Owner	3000
3793	Chambers	Owner	1000
3794	Morse	Wieben	6000
3795	Weinstein	Hewitt	2500
3796	Cameron	Owner	1000
3797	McChesney	Owner	7000
3798	Taylor	Bixley	650
3799	Somps	Mullen	4652
3800	Brown	Davis	1025
3801	Neiss	Doss	6300
3802	Brock	Livingston	450
3803	Nurmi	Owner	1800
3804	Reno	Owner	1500
3805	Pradels	Williams	3800
3806	Hink	Owner	1500
3807	Klingbeh	Owner	1500
3808	Rohan	Cal. Bldrs.	450
3809	Enterprise	Owner	4000
3810	Furlado	Owner	1500
3811	De Lige	Owner	2500
3812	Capwell	Jackson	498
3813	Loveland	Russell	3000
3814	Michels	Burnett	1685
3815	Belmont	Wessel	600
3816	Central	Schmidt	16000
3817	American	Owner	14750
3818	Astrue	Andresen	8860
3819	Fish	Wiser	3300
3820	Somps	Mullen	4652
3821	Thaxter	Owner	3000
3822	Thaxter	Owner	2500
3823	Le Conte	Kreischer	700
3824	Foran	Woodard	600
3825	Null	Fleischer	700
3826	Ogle	Gastman	3000
3827	Bowers	Charleston	3500
3828	Grandma	Hyde	15000
3829	Pfrang	Owner	10000
3830	Sherk	Posten	650
3831	Montgomery	Borden	700
3832	Nottingham	Nottingham	800
3833	Rollins	Hudson	3200
3834	Baird	Owner	3300
3835	Kelly	Owner	1000
3836	Hendrickson	Owner	4000
3837	Gonsalves	West	300
3838	Westphal	Stewart	7500
3839	Galliano	Higgins	4285
3840	Economy	Jennings	1410
3841	Dolan	Owner	3500
3842	Bush	Nelson	400
3843	Stone	Owner	3500
3844	Schmidt	Owner	500
3845	Mace	Allen	900
3846	St Mark	Voorhees	3000
3847	National Lead	Cahill	48915
3848	P G & E	Hutchinson	....
3849	O'Mally	Bryant	1250
3850	Edwards	Niska	2500
3851	Yawger	Owner	800
3852	Berk. Bldg. Co.	Owner	3000
3853	Pinkerton	Owner	4000
3854	Berk. Bldg. Co.	Owner	3000
3855	Tammi	Owner	2500
3856	Berk. Bldg. Co.	Owner	3500
3857	Preston	Owner	5000
3858	Penther	Jensen	10000
3859	Dowling	Furlong	4000
3860	Church	Ahnefeld	4460
3861	Mazzero	Owner	1600
3862	Arl	Gallardo	600
3863	Klein	Owner	3400
3864	Axdal	Owner	2400
3865	Reitenger	Flittner	680
3866	Schwind	Owner	3000
3867	Schwind	Owner	2500
3868	Beeman	Sommarstrom	8200
3869	Hall	Ericcson	2300
3870	Conrad	Owner	1500
3871	Graves	Owner	2250
3872	Ralsansky	Owner	1800
3873	Freitas	Owner	400
3874	Tullock	Owner	1000
3875	Haich	Healy	3000
3876	Brett	Owner	4500
3877	Anderson	Hollenbeck	1000
3878	Shore	Bullock	9500

DWELLINGS

(3770) NE COR 55TH AND NORmandie Aves. and E. 55th Ave. 47 N. Normandie Ave., Oakland. Two 1-story 5-room dwellings.

Owner—Mrs. Carolyn L. Mootz, 4029 E. 15th St., Oakland.

Architect—None.

Contractor — Lloyd Spangler, 4637 E. 14th St., Oakland. $3750 ea

DWELLING

(3771) W. CONGRESS AVE. 100 S. 50th Ave., Oakland. One and one-half-story 4-room dwelling.

Owner—F. Frederick, 5015 Congress Ave., Oakland.

Architect—None.

Day's work. $2000

ALTERATIONS

(3772) MAGNOLIA ST. FIRE HOUSE, Oakland. Alterations.

Owner—City of Oakland.

Architect—None.

Contractor—Schnebly & Hostrawser, 6th and Jackson Sts., Oakland. $1336

DWELLING

(3773) W. PARK BLVD. 80 N. Everett Ave., Oakland. One-story 5-room dwelling.

Owner—Rosella A. Russell, 225 E. 14th St., Oakland.

Architect—None.

Contractor—M. F. Sommarstrom, 3145 Champion St., Oakland. $4800

DWELLING

(3774) S. SANTA RAY 100 W. Calmar, Oakland. Two-story 6-room dwelling.

Owner—J. F. McCorkle, 3068 Broadway. Oakland.

Architect—None.

Contractor—M. P. Brasch, 3068 Broadway, Oakland. $6000

GARAGE

(3775) NE cOR. STUART & E 32ND Sts., Oakland. Tile garage.

Owner—W. H. Lawrence, 1395 E. 32nd St., Oakland.

Architect—None.

Day's work. $500

STORES
(3776) W. TELEGRAPH 50 N. 25th St., Oakland. One-story brick stores.
Owner—P. O. Boyce.
Architect—None.
Contractor—Edw. Larmer, 90 Fairview Ave., Piedmont. $7578

DWELLING
(3777) NE COR. 38TH ST & MANILA Ave., Oakland. One-story 4-room dwelling.
Owner—Robert D. Grimes, 2011 University Ave., Berkeley.
Architect—None.
Day's work. $2900

ADD AND ALT.
(3778) N. WISCONSIN 500 W. Midvale, Oakland. Alterations and addition.
Owner—H. E. Noble.
Architect—None.
Contractor—H. W. Raines, 1103 12th St., Oakland. $785

GARAGE
E. HARRISON 200 N. 14th St., Oakland. 1-story tile garage.
Owner—Thos. & John Lloyd.
Architect—Chas. W. McCall, Cent. Bank Bldg., Oakland.
Contractor—John M. Bartlett, 352 12th St., Oakland. $15,912
NOTE:—Recorded Contract reported Oct. 26, 1921, No. 3741.

DWELLING, ETC.
(3779) PIEDMONT. Grand and Fairview Ave. Two-story dwelling and garage.
Owner—Morris & Snyder, 1424 Jefferson St., Oakland.
Architect—Plans by owner.
Day's work. $3000

BUNGALOW, ETC.
(3780) PIEDMONT, Craig and Highland Aves. Bungalow and garage.
Owner—Louis A. Brenner.
Architect—None.
Contractor—Ben F. Kopt, 1015 82nd Ave., Oakland. $8900

ADDITION
(3781) 6449 COLBY ST, Oakland. Addition.
Owner—H. L. Gierkey.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland. $400

GARAGE
(3782) 820 GRAND AVE., Oakland. Garage.
Owner—Henry Branderman.
Architect—None.
Contractor—M. C. Vaughn, 351 12th St., Oakland. $500

DWELLING
(3783) N LOGAN ST 160 W Fruitvale, Oakland. One-story 3-room dwelling.
Owner—John P. Fromberg, 420 1st Nat. Bank Bldg., Oakland.
Architect—None.
Day's work. $2000

STORE
(3784) S OLIVE ST 200 W 96th Ave., Oakland. One-story store.
Owner—N. Riegels, 9503 Olive St., Oakland.
Architect—None.
Contractor—E. F. Cereghino, 1248 96th Ave., Oakland. $600

DWELLING
(3785) NE COR 61ST AVE & FOOTHILL Blvd., Oakland. One and one-half-story 5-room dwelling.
Owner—Nellie Odernatt, 815 54th St., Oakland.
Architect—None.
Contractor—Clarke & Allan, 5805 Harmon Ave., Oakland

DWELLING
(3786) E. EDWARDS 180 S. Bancroft, Berkeley. One-story 4-room dwelling.
Owner—Wm. F. Neary.
Architect—None.
Contractor—E. C. Venn, 419 12th St., Berkeley. $2000

ALTERATIONS
(3787) 3136 ETON WAY, Berkeley. Alterations.
Owner—Mrs. D. R. Wilson.
Architect—None.
Day's work. $1800

DWELLING
(3788) 1037 HIGH COURT, Berkeley. One-story 7-room dwelling.
Owner—Effa Hogue, 1041 High Court, Berkeley.
Architect—None.
Contractor—Jordan & Zeile, 2544 Milvia St., Berkeley. $3500

DWELLINGS
(3789) S PARKER 205-241-273 W Milvia, Berkeley. Three 1-story 5-room dwellings.
Owner—R. H. Allen, 2004 10th St., Berkeley.
Architect—None.
Contractor—Jordan & Zeile. $3000 ea.

DWELLING
(3790) S E-33RD ST 186 W Elliott, Oakland. One-story 5-room dwelling.
Owner—Wm. E. Keane, 2918 Telegraph Ave., Berkeley.
Architect—None.
Contractor—Guy B. Peppin, 639 66th St., Oakland. $4500

ALTERATION
(3791) 132 E-15TH ST., Oakland. Alter 2-story dwelling to apartments.
Owner—James Anderson, 2116 Mitchell St., Oakland.
Architect—None.
Day's work. $2000

DWELLING
(3792) SE COR E-21ST ST AND 17TH Ave., Oakland. One-story 5-room dwelling.
Owner—A. B. Gigax, 340 E. 14th St., Oakland.
Architect—None.
Day's work. $3000

ALTERATIONS
(3793) 727 14th ST., Oakland. Alterations.
Owner—J. F. Chambers, Plaza Bldg., Oakland.
Architect—None.
Day's work. $1000

DWELLING
(3794) N. FLEMING AVE. 402 W. Seminary Ave., Oakland. Two-story 7-room dwelling.
Owner—K. M. Morse, 5804 Fleming Ave., Oakland.
Architect—None.
Contractor — Alex C. Wieben, 3602 Fruitvale Ave., Oakland. $6000

DWELLING
(3795) E JONES AVE. 107 N. Almond, Oakland. One-story 4-room dwelling.
Owner—I. L. Weinstein, 8513 E. 14th St., Oakland.
Architect—None
Contractor—C. L. Hewitt, 2736 Jones Ave., Oakland. $2500

DWELLING
(3796) 840 PINE ST. REAR, Oakland. Two-story 3-room dwelling.
Owner—O. P. Cameron, 3287-B Mission St., San Francisco.
Architect—None
Day's work. $1000

DWELLING
(3797) W PARK BLVD. 100 N. Greenwood Ave., Oakland. Two-story 10-room dwelling.
Owner—W. E. McChesney, 1315 San Luis Ave., Oakland.
Architect—None.
Day's work. $7000

ALTERATIONS
(3798) 595 62ND ST., Oakland. Alterations.
Owner—Miss Prudence Taylor, Premises.
Architect—None.
Contractor—R. R. Bixley, 2447½ Webster St., Berkeley. $650

STORES
(3799) SE COR. 3RD AVE. AND E. 18th St., Oakland. One-story stores.
Owner—J. Somps.
Architect—None.
Contractor—F. H. Mullen, 265 9th St., Oakland. $4652

ALTERATIONS
(3800) 673 35TH ST., Oakland. Alterations.
Owner—J. M. Brown, 823 15th St., Oakland.
Architect—None.
Contractor—A. L. Davis, 2626 Union St., Oakland. $1025

DWELLING
(3801) 1026 WINDSOR AVE., Oakland. One-story 7-room dwelling.
Owner—Milton Neiss, 5436 Locksley Ave., Oakland.
Architect—None.
Contractor—C. A. Doss, 2028 E. 15th St., Oakland. $6300

STORE & OFFICE BLDG.
NE COR COLLEGE & KEITH AVES., Oakland. Two-story 19-room store and office building.
Owner—Geo. R. Sullivan, 1380 9th Ave., San Francisco.
Architect—None.
Contractor—Cox Bros, 2212 Broadway, Oakland. $19,000
NOTE:—Recorded contract reported Oct. 28, 1921, No. 3769.

GARAGE
(3802) N ALAMEDA 125 E Indian Trail, Berkeley. Garage.
Owner—C. W. Brock, Premises.
Architect—None.
Contractor—W. Livingston, 2918 Ellis St., Berkeley. $450

DWELLING
(3803) SE COR CEDAR & BELVEdere, Berkeley. One-story 4-room dwelling.
Owner—T. Nurmi, 914 Santa Fe Ave., Albany.
Architect—None.
Day's work. $1800

DWELLING
(3804) SE COR CHANNING & 7TH St., Berkeley. One-story 4-room dwelling.
Owner—S. H. Reno, 1745 Lincoln, Berkeley.
Architect—None.
Day's work. $1500

DWELLING
(3805) 1731 FRANCISCO, Berkeley. One-story 5-room dwelling.
Owner—Emile Pradels, 418 44th St., Oakland.
Architect—None
Contractor—G. A. Williams, 3102 Ardmore St., Berkeley. $3800

ALT. & ADD.
(3806) REAR HOTEL WHITECOTT, Berkeley. Alterations and additions.
Owner—Hink and Son, Berkeley.

Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Segregated Contracts. $1500

ALTERATIONS
(3807) 2411 TELEGRAPH AVE., Berkeley. Alterations.
Owner—Ed Klingbeil, 2115 Shattuck Ave., Berkeley.
Architect—None.
Day's work. $1500

FOUNDATION
(3808) E CLAY ST BET 5TH & 6TH Sts., Oakland. Foundation.
Owner—Rohan, Roeth & Livingston, 514 Washington, Oakland.
Architect—None.
Contractor—Cal. Builders Co., 1534 Franklin St. Oakland. $450

DWELLINGS
(3809) E 81ST AVE BET OLIVE AND Blanche, Oakland. Two 1-story 4-room dwellings.
Owner—Enterprise Hall Assn., 623 Monadnock Bldg., San Francisco.
Architect—E. A. Bangs.
Day's work. $2000ea.

DWELLING
(3810) W 51ST AVE 265 N E-15th St., Oakland. One-story 4-room dwelling.
Owner—August Furtado, 51st Ave. and E. 12th St., Oakland.
Architect—None.
Day's work. $1500

DWELLING
(3811) S FOOTHILL BLVD. 277 E 77th Ave., Oakland. One-story 4-room dwelling.
Owner—I. De Lige, 2825 Mars St., Oakland.
Architect—None.
Day's work. $2500

SIDEWALK REPAIRS
(3812) NE COR 14TH & CLAY STS., Oakland. Sidewalk repairs.
Owner—H. C. Capwell.
Architect—None.
Contractor—P. H. Jackson & Co., 2371 1st St., S. F. $498

DWELLING
(3813) N GALINDO ST 300 W Fruitvale, Oakland. One-story 5-room dwelling.
Owner—C. A. and Elizabeth Loveland, 3002 Galindo, Oakland.
Architect—None.
Contractor—J. A. Russell, 3614 Porter St., Oakland. $3000

ADDITION
(3814) 6127 HARWOOD AVE, Oakland. Addition.
Owner—H. A. Michels.
Architect—None.
Contractor—F. L. Burnett, 745 Aileen St., Oakland. $1685

ALTERATIONS
(3815) 346 MYRTLE ST., Oakland. Alterations.
Owner—Mattis Belmont.
Architect—None.
Contractor—Harry Wessel, 794 11th St., Oakland. $600

BARN & STABLE
(3816) W TELEGRAPH AVE 500 S 55th St., Oakland. One-story brick barn and stable.
Owner—Central Shuey Creamery Co., 12th and Jefferson Sts., Oakland.
Architect—None.
Contractor—B. H. Schmidt, 2237 E. 19th St., Oakland. $16,000

FACTORY BLDG.
(3817) WESTERN WATERFRONT, Oakland. Two-story factory bldg. One-story concrete boiler room and concrete tank foundation.
Owner—American Petroleum Co., 343 Sansome St., San Francisco.
Architect—None.
Day's work. $14,750

DWELLINGS
(3818) W LENOX ST 350 N Grand Ave., Oakland. Two 1-story 5-room dwellings.
Owner—Mrs. Mary E. Astrue, Oakland.
Architect—Not given.
Contractor—H. C. Andresen, 1229 Pearl St., Alameda.
Filed Oct. 31, '21. Dated Oct. 26, '21.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $8860
Bond, $4430; sureties, Hugo Jensen and Marten Andresen; forfeit, none; limit, Feb. 11. Plans and specifications filed.

DWELLING
(3819) N PARK BLVD 116 W Montclair Ave., Oakland. One-story 5-room dwelling.
Owner—L. C. Fish, Oakland.
Architect—Not given.
Contractor—Gordon Wiser, 1583 Virginia St., Berkeley.
Filed Oct. 31, '21. Dated Oct. 28, '21.
Roof sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $3300
Bond, sureties, none; forfeit, $7.50 day; limit, 90 days. Plans and specifications filed.

STORE & GARAGE
(3820) SE COR E-18TH & 3RD AVE., Oakland. One-story store and garage.
Owner—Jules Somps, 1917 San Pablo Ave., Oakland.
Architect — Hutchison & Mills, 1512 Broadway, Oakland.
Contractor—Mullen & La Voie, 265 9th St., Oakland.
Filed Nov. 1, '21. Dated Oct. 27, '21.
Roof boarded ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4652
Bond, $2500; surety, Fidelity and Deposit Co.; forfeit, none; limit, 75 days. Plans and specifications filed.
NOTE:—Permit reported Nov. 1, 1921, No. 3799.

DWELLING
(3821) 2115 DERBY ST., Berkeley. One-story 5-room dwelling.
Owner—F. W. Thaxter, 2117 Derby St., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(3822) E FLEURANGE AVE. 210 N Gilman, Berkeley. One-story 5-room dwelling.
Owner—H. W. Taylor.
Architect—None.
Day's work. $2500

GARAGE
(3823) 19 HILLSIDE CT., Berkeley. Concrete garage.
Owner—J. N. Le Conte. Premises.
Architect—None.
Contractor—C. P. Kreischer, 36 Panoramic Way, Berkeley. $700

GARAGE
(3824) 2244 RUSSELL ST., Berkeley. Garage.
Owner—John Foran. Premises.
Architect—None.
Contractor—R. T. Woodard, 2166 E. 27th St., Oakland. $600

ALTERATIONS
(3825) 2633 REGENT ST., Berkeley Alterations.
Owner—Null, 1734 Oxford St., Berkeley.
Architect—None.
Contractor—Chas. M. Fleischer 2032 Bancroft, Berkeley. $700

DWELLING
(3826) 2033½ VIRGINIA ST., Berkeley. One-story 6-room dwelling.
Owner—E. G. Ogle.
Architect—None.
Contractor—H. H. Gustman, 1265 Euclid Ave., Berkeley. $3000

DWELLING
(3827) N AILEEN ST 125 E Genoa St., Oakland. One-story 5-room dwelling.
Owner—Fred E. Bowers, 1090 57th St., Oakland.
Architect—None.
Contractor—C. E. Charleston, 5627 Genoa St., Oakland. $3500

TILE BAKERY
(3828) W ADELINE ST 131 N 3rd St., Oakland. One-story tile bakery.
Owner—Grandma Cookie Co., 529 Linden St., Oakland.
Architect—L. F. Hyde.
Contractor—L. F. Hyde, 2745 26th Ave., Oakland. $15,000

DWELLINGS
(3829) W BELGRAVE PLACE 500-540 N Napa, Oakland. Two 1-story 6-room dwellings.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—None.
Day's work. $5000 ea.

STORE BLDG.
(3830) S CALAVERAS 300 E Hopkins, Oakland. One-story frame store.
Owner—O. F. Sherk, 1607 Grove St., Oakland.
Architect—None.
Contractor—W. H. Posten, Pleasanton, Oakland. $650

ALTERATIONS
(3831) 3404 Champion St., Oakland. Alterations.
Owner—T. H. Montgomery, 618 Merrimac, Oakland.
Architect—None.
Contractor—H. T. Borden, 861 Milton St., Oakland. $700

GARAGE
3832) NE COR COTTAGE AND VERmont, Oakland. One-story tile garage.
Owner—Ella L. Nottingham, 861 52nd St., Oakland.
Architect—None.
Contractor — W. K. Nottingham, 368 10th St., Oakland. $800

DWELLING
(3833) W CANON AVE 100 N Hopkins, Oakland. One-story 4-room dwelling.
Owner—Martin H. Rollins.
Architect—None.
Contractor—L. G. Hudson, 1771 Evers Ave., Oakland. $3200

DWELLING
(3834) E ELSTON AVE 300 S Hampel, Oakland. One-story 5-room dwelling.
Owner—Leroy M. Baird, 1450 Alice St., Oakland.
Architect—None.
Day's work. $3300

ALTERATIONS
(3835) N E-14TH ST 60 E 1-st Ave., Oakland. Alterations.
Owner—Wm. J. Kelly.
Architect—None.
Day's work. $1000

DWELLING
(3836) SE COR E-39TH ST & FRUITvale Ave., Oakland. One-story 6-room dwellings.

Owner—A. Hendrickson, 755 60th St., Oakland.
Architect—None.
Day's work. $4000

ALTERATIONS
(3837) NE COR 50TH AVE & E-12TH St., Oakland. Alterations.
Owner—Dr. J. M. Gonsalves, 1064 50th Ave., Oakland.
Architect—None.
Contractor—Chas. West, 752 13th St., Oakland. $300

DWELLINGS
(3838) N 40TH ST 120-152 W Telegraph, Oakland. Two 1-story 5-room dwellings.
Owner—Geo. Westphal.
Architect—None.
Contractor—S. L. Stewart, 831 16th St., Oakland. $3750 ea.

DWELLING
(3839) NE COR HAMPEL AND RANdolph, Oakland. One-story 6-room dwelling.
Owner—Bartolome Galliano, 24th and Linden Sts., Oakland.
Architect—None.
Contractor—W. H. Higgins, 9489 Foothill Blvd., Oakland. $4285

WAREHOUSE
(3840) E HIGH ST SO OF R R, Oakland. One-story warehouse.
Owner—Economy Mills.
Architect—None.
Contractor—J. T. Jennings, 594 13th St., Oakland. $1410

DWELLING
(3841) NE COR KENMORE & WALLA Vista, Oakland. One-story 5-room dwelling.
Owner—Leo J. Dolan, Syndicate Bldg., Oakland.
Architect—None.
Day's work. $3500

ALTERATIONS
(3842B) 817 LAKESHORE AVE., Oakland. Alterations.
Owner—P. E. Bush.
Architect—None.
Contractor—H. P. Nelson, 1947 Blake St., Berkeley. $400

DWELLING
(3843) W 104TH AVE 375 S Royal Ann, Oakland. One-story 6-room dwelling.
Owner—E. B. and A. L. Stone, Claus Spreckels Bldg., San Francisco.
Architect—None.
Day's work $3500

DWELLING
(3844) E 105TH AVE NR SAN LEANdro Creek, Oakland. One-story 4-room dwelling.
Owner—Carl Schmidt, 304 105th Ave., Oakland.
Architect—None.
Day's work. $500

OIL STATION
(3845) GORE PARK BLVD AND 14TH Ave., Oakland. One-story brick oil station.
Owner—C. W. Mail, 1535 Wellington Ave., Oakland.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley. $900

ALTERATIONS
(3846) NE COR 12TH & FRANKLIN Sts., Oakland. Alterations
Owner—Hotel St. Mark.
Architect—Fred D. Voorhees.
Contractor—Fred D. Voorhees, 1829 West St., Oakland. $3000

RECORDED

FACTORY BLDG.
(3847) 47TH AVE AND E 10TH ST. Oakland. Steel frame factory (corroding bldg.), except furnish steel.
Owner—National Lead Co. of Calif., 485 California St., San Francisco.
Architect—Not given.
Contractor—Cahill-Vensano Co., 110 Sutter St., San Francisco.
Filed Nov. 1, '21. Dated Nov. 1, '21.
4th day each month.....75%
Usual 35 days 25%
TOTAL COST, $48,915
Bond, $50,000; sureties, Grace and Elvira W. Cahill; forfeit, $100 day; limit, 60 days. Plans and specifications filed.
NOTE—Permit also applied for today.

GRADING, ETC.
(3848) 6.11 ACRES BEING PORT Plat F Undivided Mountain of Hill Land V & D Peralta, Oakland. Grading, construct roadways, wells, drains and culverts for substation.
Owner—P. G. & E. Co.
Architect—Not given.
Contractor—Hutchinson Co., Hutchinson Bldg.
Filed Nov. 2, '21. Dated Oct. 20, '21.
Completed 75%
Usual 35 days 25%
TOTAL COST, $——
Excavating, unclassified, 95c cu. yd.
Overhaul excavated material, 00c cu. yd.
Masonry wall, $16.00 cu. yd.
Macadam roadway 12' wide, $2.70 per lin. ft.
Macadam roadway 14' wide, $3.04 per lin. ft.
12" culverts, $2.75 per lin. ft.
8" culverts, $2.50 per lin. ft.
Bond, $6000; surety, Globe Indemnity Co.; forfeit, none; limit, 45 days. Plans and specifications filed.

PAINTING
(3849) RESE AVE., Pleasanton. Painting church and parish house.
Owner—Rev. Thomas F. O'Mally.
Architect—Matthew O'Brien, 68 Post St., San Francisco.
Contractor—F. E. Bryant.
Filed Nov. 2, '21. Dated Oct. 29, '21.
15th and 30th day each month....75%
Usual 35 days 25%
TOTAL COST, $1250
Bond, $625; sureties, Fred Chadbourne and Lee Wells; forfeit, $2.00 day; limit, 30 days. Plans and specifications, none.

DWELLING
N TRESSEL GLEN RD 350 E Lakeshore, Oakland. Two-story 6-room dwelling.
Owner—J. K. Pattee, Oakland.
Architect—W. E. Schirmer, Thayer Bldg., Oakland.
Contractor—Harry Schwalm, Berkeley. $7630
NOTE:—Recorded contract reported Oct. 18, 1921, No. 3609

DWELLING
(3850) E ACTON 150 S Allston, Berkeley. One-story 4-room dwelling.
Owner—E. J. Edwards.
Architect—None.
Contractor—Aaro Niska, 1137 Allston Way, Berkeley. $2500

ALTERATIONS
(3851) 1623 ALCATRAZ AVE., Berkeley. Alterations.
Owner—W. V. Yawger, Premises.
Architect—None.
Day's work. $800

DWELLING
(3852) E ENSENADA 50 N Portland, Berkeley. One-story 5-room dwelling.
Owner—Berkeley Building Co
Architect—None.
Day's work. $3000

DWELLING
(3853) 1718 MARIN AVE., Berkeley. One-story 5-room dwelling
Owner—J. A. Pinkerton, 1931 Berryman St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(3854) N SAN LORENZO 150 W Colusa, Berkeley. One-story 6-room dwelling.
Owner—Berkeley Building Co., Colusa and Solano, Berkeley.
Architect—None.
Day's work. $3000

DWELLING, ETC.
(3855) E SPAULDING AVE 75 N Channing, Berkeley. One-story 5-room dwelling and garage.
Owner—Chas. Tammi, Premises.
Architect—None.
Day's work. $2500

DWELLING
(3856) N TACOMA 100 E Colusa, Berkeley. One-story 6-room dwelling.
Owner—Berkeley Building Co.
Architect—None.
Day's work $3500

STORES & APTS.
(3857) S ALCATRAZ AVE 35 E Dana, Oakland. Two-story stores and apartments.
Owner—A. Preston, 425 Alcatraz Ave., Oakland.
Architect—None.
Day's work. $5000

APARTMENTS
(3858) N AILEEN ST 180 W Gaskell, Oakland. Two-story 16-room apts.
Owner—C. F. Penther, 1016 Aileen St., Oakland.
Architect—None.
Contractor—Jensen & Petersen, 3411 Adeline St., Oakland. $10,000

DWELLING
(3859) W BROADWAY 70 N Manila Ave., Oakland. One-story 5-room dwelling.
Owner — Geo. F. Dowling, Federal Bldg., Oakland.
Architect—None.
Contractor—Thos. F. L. Furlong, 61 Echo Ave., Oakland. $4000

STORES
(3860) NW COR BROOKDALE AND Humboldt, Oakland. One-story stores.
Owner—R. B. Church, 2123 Parker St., Berkeley.
Architect—None.
Contractor—Harry Ahnefeld, 2123 Parker St., Berkeley. $4460

DWELLING
(3861) 4804 CONGRESS AVE., Oakland. One-story 4-room dwelling.
Owner—Sylvester Mazzero, 3115 Galindo St., Oakland.
Architect—None.
Day's work. $1600

ALT. AND ADD.
(3862) 9321 E ST., Oakland. Alterations and addition.
Owner—J. Arl, 1429 Vermont St., San Francisco.
Architect—None.
Contractor—C. E. Gallardo, 8833 A St., Oakland. $600

DWELLING
(3863) E EDGEWOOD 231 N El Centro, Oakland. One-story 6-room dwelling
Owner—Mathew Klein, 6122 Harmon Court, Oakland.
Architect—None.
Day's work. $3400

DWELLING
(3864) N E-26TH ST 322 E 19th Ave, Oakland. One-story 4-room dwelling
Owner—O. S. Andale, 857 18th St. San Francisco.

Architect—None.
Day's work. $2400

DWELLING
(3865) N E-27TH ST 212 W Fruitvale Ave., Oakland. One-story 2-room dwelling.
Owner—Max Reitinger, 1600 35th Ave., Oakland.
Architect—None.
Contractor—Jos. Flittner, 1700 35th Ave., Oakland. $680

DWELLING
(3866) NE COR FAIRVIEW & DOVER, Alameda. One-story 3-room dwelling.
Owner—M. Schwind, 1636 63rd St., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(3867) N FAIRVIEW ST 56 E DOVER St., Oakland. One-story 4-room dwelling.
Owner—M. Schwind, 1636 63rd St., Berkeley.
Architect—None.
Day's work. $2500

FLATS
(3868) E GRAND 350 N Weldon, Oakland. Two-story 10-room flats.
Owner—Sarah Boeman, 306 14th St., Oakland.
Architect—None.
Contractors—Sommarstrom Bros Co., 306 14th St., Oakland. $8200

DWELLING
(3869) W HUGHES ST 375 N E-23rd St., Oakland. One-story 4-room dwelling.
Owner—Mrs. A. Hall, 1402 5th St., Berkeley.
Architect—None.
Contractor—Carl Ericcson, 1146 Masonic Ave., Albany. $2300

ALTERATIONS
(3870) 202 LAKESHORE AVE., Oakland. Alterations.
Owner—Frances Conrad.
Architect—None.
Day's work. $3500

DWELLING
(3871) S MERA ST 60 E-40th Ave., Oakland. One-story 5-room dwelling.
Owner—H. D. Graves, 4025 Mera St., Oakland.
Architect—None.
Day's work. $2250

DWELLING
(3872) E 105TH AVE 100 S Knight, Oakland. One-story 5-room dwelling.
Owner—John Rakansky, 360 105th Ave., Oakland.
Architect—None.
Day's work. $1800

ADDITIONS
(3873) N PLYMOUTH ST 200 W 94th Ave., Oakland. Additions.
Owner—John Freitas, 9314 Plymouth, Oakland.
Architect—None.
Day's work. $400

DWELLING
(3874) N PRINCETON ST 173 E Vicksburg, Oakland. One-story 6-room dwelling.
Owner—H. Tullock, 7813 E-14th St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(3875) N RANSOME 540 E Piedmont Ave., Oakland. One-story 5-room dwelling.
Owner—Jos. T. Hinch, Federal Bldg., Oakland.
Architect—None.
Contractor—P. J. Healy, 39 Nace Ave., Piedmont. $3000

DWELLING
(3876) NE COR 7TH AVE & E 21ST St., Oakland. One-story 6-room dwelling.
Owner—John A. Brett, 732 E. 20th St., Oakland.
Architect—None.
Day's work. $4500

ALTERATIONS
(3877) 456 WALSWORTH AVE., Oakland. Alterations.
Owner—K. P. Anderson.
Architect—None.
Contractor—G. B. Hollenbeck, 3084 Richmond Ave., Oakland. $1000

RECORDED

STORES
(3878) W COLLEGE AVE 93.06 N Miles Ave. SW 110.28 SE 55.67 NE 88.52 NW 59.78, Oakland. One-story frame (3) stores.
Owner—William Shore, 902 Lafayette Ave., Alameda.
Architect—Not given.
Contractor—O. M. Bullock, 510 18th St., Oakland.
Filed Nov. 2, '21. Dated Oct. —, '21.
Frame up ..... ¼
Plastered ..... ¼
Completed ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $9500
Bond, sureties, forfeit, none; limit, 70 days. Plans and specifications filed.
NOTE:—Permit reported Oct. 26, 1921, No. 3732.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded **Accepted**

Nov. 3, 1921—W PORT LOT F BLK 17 Map Claremont, Berkeley. Edwin J. Cooper to W. P. Jones.... .....Oct. 31, 1921

Nov. 2, 1921—NE COR 12TH AND Magnolia Sts. E 71-6 N 100, Oakland. M. E. Church Ext. Society of Oakland, Alameda and Berkeley to Thomas A. Cuthbertson... .....Nov. 1, 1921

Nov. 2, 1921—LOTS 1 AND 26 BLK M, Berkeley Highlands. Una Bernard Lait to S. J. Bertelsen..... .....Oct. 27, 1921

Nov. 2, 1921—LOT 12 BLK 2 NORTHbrae, Berkeley. Mrs. Anna Ohrtland to whom it may concern.... .....Oct. 31, 1921

Nov. 3, 1921—LOT 13 BLK C MAP Excelsior Heights, Oakland. Evelyn Simmonds to whom it may concern .....Nov. 2, 1921

Nov. 3, 1921—NW COR SHERMAN St. and San Antonio Ave., Alameda. Rosina Muller to D. W. Ross.... .....Nov. 3, 1921

Oct. 31, 1921—2346 WOOLEY ST., Oakland. Tony Tortoro to Fred Hambleton .....Oct. 24, 1921

Oct. 31, 1921—LOT 21 BLK B MAP Fourth Avenue Park, Oakland. Mrs. Kate Whinney to Mason-McDuffie Co. .....Oct. 28, 1921

Oct. 31, 1920—LOT 13 BLK 1 NORTHrae, Berkeley. Geo S. Tait to whom it may concern .....Sept. 10, 1921

Oct. 31, 1921—E. MARKET ST 481 S 1st St. S 175 E 100, Oakland. P. G. & E. Co. to Union Construction Co. .....Oct. 24, 1921

Oct. 29, 1921—LOT 10 BLK 1, Map Northrae, Berkeley. A. H. Pallen to whom it may concern..Oct. 28, 1921

Oct. 29, 1921—PORT LOT 2 BLK 10, College Homestead Assn. A. S. Brasfield to H. P. Nelson..Oct. 28, 1921

Oct. 29, 1921—LOT 4 BLK E & PORT Lot 5 Blk E Map The Oaks, Piedmont. Rudolph C. Druhe to Fred J. Westlund .....Oct. 28, 1921

Oct. 28, 1921—5569 KALES AVE, Oakland. C. D. Norwood and G. V. Harris to whom it may concern .....Oct. 28, 1921

LIENS FILED

ALAMEDA COUNTY

Nov. 3, 1921—SW E-21ST ST 309 SE 5th Ave. SE 40 SW 125, Oakland. H. Dombrink vs W. and Amelia H. Henry and W. J. Wilkinson..$225.00

Nov. 1, 1921—LOT 27 BLK F MAP Lakewood Park, Piedmont. Johnson-Libbey Co., $322.30; Rigney Tile Co., $87.35, and Fred Schmits, $85.00, vs A. V. Alder and Brooks G. Walker .....

Oct. 10, 1921—S 43RD St 140 W Market St. W 50 S 100, Oakland. Al Rowse vs J. Roberts.....$100.00

RELEASE OF LIENS

ALAMEDA COUNTY

Oct. 27, 1921—S 43RD ST 140 W Market St. W 50 S 100, Oakland. F. E. Nelson and P. A. Anderson (Nelson Wrecking Co) to J. Roberts..$741.54

Oct. 27, 1921—S 43RD ST 140 W Market St. W 50 S 100, Oakland. Al Rowse to J. Roberts.....$100.00

Notice of Non-Responsibility

ALAMEDA COUNTY

Oct. 31, 1921—E OLIVE ST 224-4 N Mountain View Ave. E 150 N 34-3 W 150 S 35, Oakland. Ida May Manning as to improvements on property .....

Oct. 29, 1921—LOT 18 BLK I & S 1.64 Lot 17 Blk I, map Broadway Terrace, Oakland. Carl Salbach as to improvements on property.....

Oct. 28, 1921—SW 10 LOT 12 & ALL Lot 13 Blk 11 Map Key Route Hts., Oakland. Alameda Investment Co. to whom it may concern.....

ABANDONMENT OF BUILDER'S CONTRACT

ALAMEDA COUNTY

Oct. 28, 1921—L. C. Fish to Gordon Wiser .....Oct. 24, 1921

HOMESTEADS

ALAMEDA COUNTY

Nov. 2, 1921—LOT 33 BLK 5 MAP Kinsell Tract No. 2, Oakland. Marjorie Knocke, wife John.....$2500

Nov. 2, 1921—LOT 58 MAP HENRY & Phillips' Tract, Oakland. Karl J. Weber $5000

Oct. 31, 1921—PORT PLAT 11 SHEET 4, Map Indian Glenn, Oakland. Edna R. Tinkler, wife Thomas W. $5000

Oct. 31, 1921—S 35TH ST 349-4 W. Grove St. W 33-4 S 120-3, Oakland. Cornelia L. Frederick (widow)..$3500

Nov. 1, 1921—LOT 13 MAP HYDE Tract, Oakland. Ethel Hardy Crase. $5000

Oct. 29, 1921—W ORDWAY ST 293.89 N Hopkins N 43 W 127-5, Berkeley. Madison N. and Rose A. B. Hotchkiss $3400

Oct. 29, 1921—NE COR CEDAR AND Josephine St. E 60 N 40, Berkeley. Katherine M. Morse, wife Charles Rolland $5000

Oct. 29, 1921—PORTS LOTS K & L Blk 8, Map Resubdivision Blks 5, 6, 7, 8, Northlands, Tract No. 1, Pauline Claiborne, wife Wm. L.$4500

OAKLAND BUILDING TOTALS FOR OCTOBER, 1921

Classification of Buildings.	No. Permits.	Cost.
One-story dwellings ..	154	$451,007
One-story dwl. (2-fam.)	1	4,200
1½-story dwellings ...	4	16,200
Two-story dwellings ..	15	86,475
Two-story flats	2	21,500
Three-story apartments	2	56,500
Two-story apts.	4	49,500
One-story stores	11	50,245
Two-story stores	2	24,000
One-story warehouse..	2	77,000
One-story office	1	250
One-story con. garages	9	37,390
One-story conc. stores.	2	30,800
One-story conc. freight shed (add'l cost) ...	..	88,614
One-story brick garage	1	5,500
One-story brick wareh.	2	9,950
One-story brick stores	5	21,578
One-story brick service station	1	900
One-story tile garages.	5	25,637
Brick addition	1	5,000
Two-story tile apts....	1	16,000
One-story tile stores...	1	15,900
Electric signs	17	4,900
One-story fr. garages..	193	33,312
Work shops	3	2,050
Additions	87	54,033
Alterations and repairs	147	56,779
TOTALS	673	$1,245,220
SUMMARY		
New construction.....	576	$1,188,441
Alterations and repairs	147	57,779
TOTALS	673	$1,245,220

BUILDING CONTRACTS

SANTA CLARA COUNTY

DWELLING
E SIDE HICKS AVE., San Jose, Cal. All work except painting, sewer, cesspool and grading for 4-room frame dwelling.
Owner—Mrs. Anna M. Hostert, 529 Vine, San Jose, Cal.
Architect—Not given.
Contractor—J. G. Luebben, 897 Delmas, San Jose, Cal.
Filed Oct. 28, '21. Dated Oct. 24, '21.
Rough frame up $461.00
First coat plaster on..... 461.00
Completed and accepted 461.00
Usual 35 days 464.50
TOTAL COST, $1847.50
Bond, sureties, forfeit, none; limit, 90 working days after Oct. 24, 1921. Plans and specifications filed.

COTTAGE
CLAYTON NR. FIRST, San Jose. Five-room cottage.
Owner—L. Calice, 411 E. San Fernando, San Jose.
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—A. K. Burkett, 34 Fremont St., San Jose. $6000

REMODELING
TH AND JULIAN STS., San Jose, Cal. Remodeling building.
Owner—Elsie M. H. White, San Jose, Cal.
Contractor—L. I. Kelly, 80 Curtis St., San Jose, Cal.
Filed Oct. 29, '21. Dated Oct. 26, '21.
Remodeling one-third completed $885.75
Remodeling is two-thirds completed 855.75
Remodeling completed 855.75
Usual 35 days 825.75
TOTAL COST, $3423.00
Bond, $1750; sureties, A. C. Hansen and S. H. Chase; forfeit, limit, none. Specifications filed Oct. 28, 1921.

FRAME BLDG.
ASSO ST., Palo Alto, Cal. One-story and basement frame building.
Owner—Dr. Eph. Weiss, 706 Larkin St., San Francisco.
Architect—John K. Branner, 251 Kearny St., San Francisco.
Contractor—The Minton Co., Mountain View, Cal.
Filed Oct. 29, '21. Dated Oct. 22, '21.
Rough framing compl. and roof rafters in $1557.50
Wiring and plastering completed 1557.50
Completed and accepted..... 1557.50
Usual 35 days 1557.50
TOTAL COST, $6230.00
Bond, $3115; sureties, Margerie and William P. Wright; forfeit, $2 per day; limit, 75 working days from Oct. 27, 1921. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

Recorded — Accepted

Oct. 28, 1921—SAN JOSE, Cal. William H. O'Neil to whom it may concern .....Oct. 28, 1921

Oct. 28, 1921—GILROY, Cal. Board of Trustees of the I. O. O. F. Orphans' Home of Calif to The Turner Co., San Francisco, Cal..... .....Oct. 24, 1921

Oct. 28, 1921—GILROY, Cal. Board of Trustees of the I. O. O. F. Orphans' Home of Calif. Zeb Knott, Richmond, Cal. .....Oct. 24, 1921

Oct. 28, 1921—GILROY, Cal. Board of Trustees of the I. O. O. F. Orphans' Home of Calif. to Robert Trost, San Francisco, Cal..... .....Oct. 24, 1921

Oct. 28, 1921—GILROY, Cal. Board of Trustees of the I. O. O. F. Orphans' Home of Calif. to J. E. O'Mara, San Francisco, Cal..... .....Oct. 24, 1921

Oct. 28, 1921—SAN JOSE, Cal. Vincent Maggio to whom it may concern .....Oct. 17, 1921

Oct. 25, 1921—SAN JOSE, Cal. W. E. Fairbanks to whom it may concern .....Oct. 22, 1921

LIENS FILED

SANTA CLARA COUNTY

Recorded — Accepted

Oct. 28, 1921—LOT 13 OF DRISCOLL Subd of Blk 9 of the Cook & Branham Survey, San Jose, Cal. John Casenta vs Frank Russo and Rosina Russo $92.50

Oct. 27, 1921—LOT 4B OF THE SAN Martin Ranch, Map No. 3. A. L. Phillips vs Fulton Engine Works and Catherine Dunne.....$1195

Oct. 26, 1921—On ALVISO and Mountain View Road, Santa Clara Co., Cal. Western Well Works, Inc., vs. Frank Arnato $416.65

LIENS FILED

SAN MATEO COUNTY

Recorded — Amount

Oct. 28, 1921—HOMESTEAD, San Mateo, San Mateo Co. Inlaid Floor Co. vs. Antonie Alfred Borel, owner; F. H. Boring, contractor.. ..... $307.55

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded — Amount

Oct. 28, 1921—HOMESTEAD, SAN Mateo, San Mateo County, Cal. Haines, Jones & Cadbury Co., by H. C. Marsh, Manager, vs. Antonie Borel, F. H. Boring and J. F. McGowan $391.75

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
1332 43RD ST., Sacramento. 1-story 5-room dwelling.
Owner—Peter Rooney, 5th Ave., Sacramento.
Architect—None.
Day's work. $5000

DWELLING
3965 4TH AVE., Sacramento. One-story 6-room dwelling.
Owner—J. and Mrs. Mary Cusenza, 4135 3rd St., Sacramento.
Architect—None.
Contractor—F. P. Lopez, 2629 32nd St., Sacramento. $11,000

DWELLING
1335 37TH ST., Sacramento. One-story 7-room dwelling.
Owner—L. Barker, 2220 "J" St., Sacramento.
Architect—None.
Contractor—J. E. Merrill, 5217 "T" St Sacramento. $4000

DWELLINGS
3501-3517-3523 9TH AVE., Sacramento. Two 1-story 5-room dwellings.
Owner—O. G. Hopkins, Brytrle Bldg. Sacramento.
Architect—None.
Contractor—F. Francis, 4625 10th Ave., Sacramento. $2000 ea.

FLATS
2630 "E" ST., Sacramento. Two-story (4) flats.
Owner—A. Tragonis, 810 "J" St., Sacramento.
Architect—None.
Contractor—J. A. Lucas, 1604 "V" St., Sacramento. $11,000

REPAIRING
1017 4TH ST., Sacramento. Repairing.
Owner—Chas. Thompson, Sacramento.
Architect—None.
Contractor—Adolph Link, 3147 "K" St., Sacramento. $3500

DWELLING
1401 41ST ST., Sacramento. One-story 5-room dwelling.
Owner—J. W. Brown, 3410 38th St., Sacramento.
Architect—None.
Day's work. $4800

DWELLINGS
2220 AND 2224 24TH ST., Sacramento. Two 1-story 5-room dwellings.
Owner—Dr. W. G. Taylor, 1512 17th St., Sacramento.
Architect—None.
Contractor—C. H. Chatterton, 2118 28th St., Sacramento. $4250 each

DWELLINGS
649 37TH ST. & 701 37TH ST, Sacramento. Two 1-story 5-room frame dwellings.
Owner—J. G. Black, 1330 "P" St., Sacramento.
Architect—None.
Contractor—T. B. Hunt, 2926 "S" St., Sacramento. $3000 ea.

DWELLINGS
410 31ST ST AND 3020 "D" ST., Sacramento. Two 1-story 5-room dwellings.
Owner—Miss Nora Daroux, San Francisco.
Architect—None.
Contractor—R. M. Smith, 2633 30th St., Sacramento. $3500 ea.

DWELLING
1214 43RD ST., Sacramento. One-story 6-room dwelling.
Owner—P. R. Jones, 1224 33rd St., Sacramento.

Architect—None.
Contractor—W. E. Coffman, 1350 41st St., Sacramento. $5500

DWELLING
2318 26TH ST., Sacramento. One-story 6-room dwelling.
Owner—W. La Fleure, 1117 6th St., Sacramento.
Architect—None.
Day's work. $4000

DWELLING
3932 "M" ST., Sacramento. One-story 6-room dwelling.
Owner—Eula F. Boltz, 3001 "J" St., Sacramento.
Architect—None.
Day's work. $4000

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

BUILDING
LOT 12 BLK 1, LOMITA PARK, Stockton. Building.
Owner—Mr. and Mrs. G. A. Grider, 409 E. Weber St., Stockton.
Architect—None.
Contractor—L. E. Hertriz and M. A. Orcutt, 620 N. Grant, Stockton. $4250
Limit—90 days.
Filed Oct. 24, '21. Dated Oct. 21, '21.

RESIDENCE, ETC.
MONTEREY AND SAN JOAQUIN STS., Stockton. Residence and garage.
Owner—David Satfield, Stockton.
Architect—None.
Day's work. $5350

GARAGE
LEXINGTON AVE., Stockton. Residence and garage.
Owner—G. A. Grider, 409 E. Weber Ave., Stockton.
Architect—None.
Day's work. $4259

WAREHOUSE
SOUTH SUTTER ST., Stockton. Warehouse.
Owner—B. P. Martin, 801 W. Vine St., Stockton.
Architect—None.
Day's work. $10,000

RESIDENCE
WEST PARK, Stockton. Residence.
Owner—Edw. L. Gnekow, 647 E. Main St., Stockton.
Architect—None.
Day's work. $5400

SERVICE STATION
SOUTH CALIFORNIA, Stockton. Service station.
Owner—Mary E. Hathaway, 514 E. Lafayette St., Stockton.
Architect—None.
Day's work. $5000

RESIDENCE
NORTH STOCKTON, Stockton. Residence.
Owner—John D. Steele, 1228 E. Washington, Stockton.
Architect—None.
Day's work. $3250

RESIDENCE, ETC.
NORTH STOCKTON, Stockton. Residence and garage.
Owner—Louis McGhan, Stockton.
Architect—None.
Day's work. $3675

STORE BLDG.
WEST MAIN ST., Stockton. Store building.
Owner—J. Girsh, 220 N. Grant St., Stockton.
Architect—None.
Day's work. $3750

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

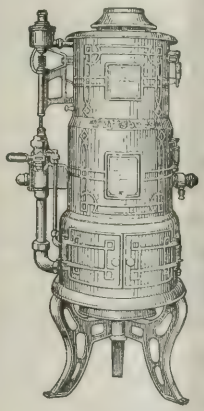
Recorded **Amount**
Oct. 27, 1921—LODI UNION HIGH School District, Lodi. Board of Trustees of Lodi Union High School District to Percy O. Clark .....Oct. 19, 1921

BUILDING CONTRACTS

FRESNO COUNTY

GLENDORA JOINT SCHOOL DIST. in Kings County, Cal. School bldg.
Owner—Glendora Joint School District.
Architect—Not given.

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET


A BIG THING
New Model No. 65
"Pittsburg-Bungalow"
Automatic Water Heater.
Capacity three gallons per minute.
Just the size to fit the average two-story home or nice Bungalow.
A "Pittsburg" Automatic Gas Water Heater installed in the home indicates high quality throughout.
PITTSBURG WATER HEATER CO.
309 13th Street OAKLAND
478 Sutter Street SAN FRANCISCO
SEND FOR CATALOGS

TROJAN EXPLOSIVES
The Most Powerful Made
Safe and Economical
Manufactured on a solid base and do not contain any liquid explosive ingredient.
Will not freeze Will not exude
Will not give off noxious gases
No thawing
No leaking
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CROCKER BUILDING San Francisco, Cal.
YEON BUILDING Portland, Oregon

Telephone Market 1935
Fine and Sanitary PLUMBING
Frank J. Klimm
PLUMBER
Steam and Hot Water Heating
221 Oak Street
Bet. Gough and Octavia San Francisco

Contractor—F. S. Snyder, H. S. Simonsen and Ben Osen.
Filed Oct. 26, '21. Dated Oct. 24, '21.
Foundations complete, etc.....$ 500
Brick walls complete 1200
Roofs, inter. and exter plastering complete 1426
Building complete 1561
Usual 35 days 1563
TOTAL COST. $6253
Bond, $3200; sureties, R. O. Deacon and J. E. Holt; forfeit, none; limit, 60 days. Plans and specifications filed.

DWELLING, ETC.
4017 HUNTINGTON AVE. Fresno. Dwelling and garage.
Owner—H. L. Beck, 163 Blackstone, Fresno.
Architect—None.
Contractor—O. D. Atkins, 3338 Lowe St., Fresno. $7000

DWELLING
2601 CLAY ST., Fresno. Dwelling.
Owner—H. Ratzlaff.
Architect—None.
Day's work. $4000

DWELLING
1461 Del Mar St., Fresno.
Owner—E. Ahlberg, Fresno.
Architect—None.
Day's work. $4,000

DWELLING
4043 KERCKHOFF AVE., Fresno. Dwelling.
Owner—Mrs. J. D. Morgan, 3428 Kerckhoff Ave., Fresno.
Architect—None.
Contractor—C. E. Buckmaster, 3220 Platt St., Fresno. $7400

RESIDENCE
1445 ECHO ST., Fresno. Residence.
Owner—A. Wilson.
Architect—None.
Contractor—Shorb & Meads, 627 McKinley St., Fresno. $18,000

DWELLING
566 TERRACE AVE., Fresno. Dwelling.
Owner—F. W. Thomas, 723 Normal St., Fresno.
Architect—None.
Contractor—Shorb & Meads, 627 McKinley St., Fresno. $11,000

LIENS FILED

FRESNO COUNTY

Recorded Accepted
Nov. 1, 1921—E½ OF LOT 12 BLK 13 Hazelwood, Fresno. S. B. Gregory vs C. C. Russell $42.00
Oct. 28, 1921—LOTS 25, 26 BLK 1, Friesen Add., Reedley. A. Terkel vs. N. H. Feshjian.....$84.00

Notice of Non-Responsibility

FRESNO COUNTY

Nov. 1, 1921—LOTS 20, 21 BLK 14 North Park Terrace, Fresno. Hazel Paul as to improvements on property .....

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

(Continued From Page 19.)

OAKLAND, Cal.—Following bids received by Supervisors for constructing a well, sump and water gallery for water supply at County Hospital, near San Leandro: Linscott Drilling Co., $10,282; Simonds Machine Co., $14,456; Cowden-Broderick, $10,425; Bates & Borland, $11,990; C. A. Bruce & Sons, $11,100; C. H. & A. W. Gorrill, $11,990. Geo. A. Posey, County Surveyor.

HERMOSA BEACH, Cal.—Following bids received by City Trustees for grading and paving with 3-in. Willite 57,360 sq. ft. on Prospect, 10th and 11th Sts. and 8,020 sq. ft. on Bay View Dr., contractors bidding identical prices on both contracts: California Willite Road Construction Co., 19.4c sq. ft. paving and 7½c sq. ft. including headers; Geo. R. Curtis, 18c for paving and 8c for grading; Braun, Bryant & Austin, Inc., 19½c paving and 7c grading. Bids taken under advisement. Victor Stahell, City Engineer.

SAN FRANCISCO—Until Nov. 16, 3 p. m., bids will be received by Board of Public Works for improving Balboa St., between 33rd and 42nd Aves., involving 104,010 sq. ft. asph. pavement; 12,865 sq. ft. basalt header block; 21,520 sq. ft. art. stone sidewalks; 4,810 lin. ft. concr. curbs; 17 brick catchbasins and 595 lin. ft. 10-in. culverts. Specifications may be had from office of City Engineer, M. M. O'Shaughnessy, 3rd floor, City Hall.

Telephone: West 1726
J. A. MOHR & SON
General Painting Contractors
Specialists in
COMPRESSED AIR PAINTING AND SAND BLASTING
Builders' Exchange, 180 Jessie St.
2216-18 Fillmore St., San Francisco

BUSINESS OPPORTUNITIES

Renard Electric Co., 108 North Central St., Medford, Ore., wishes to get in touch with manufacturers of the Domestic Electric Washer.

W. O. Johnston, P. O. Box 831, Watsonville, Calif., wishes to communicate with San Francisco firms equipped to handle die and stamping work on sheet metal.

Frieze & Schiller, 58 Summer street, Boston, Mass., desire to arrange for a representative to act in a sales capacity in this territory.

Gunther-King Co., 144 Page street, Portland, Ore., wishes to get in touch with San Francisco manufacturers of prepared roofing and asphalt saturated felt.

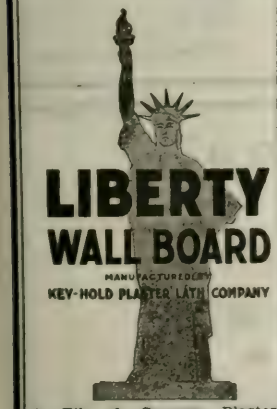
Sam Pyatt, Plains, Mont., wishes to get in touch with manufacturers of chemical refrigerators in this city.

Jos. F. Bowler, 421 East Broadway, Long Beach, Cal., is in the market for cane and rattan to be used in the repair of furniture.

PANAMA CANAL TRAFFIC

The United States Coastwise traffic passing through the Panama Canal last year amounted to $1,372,338 tons, of which 698,429 tons were shipped from Atlantic to Pacific and 673,959 tons from Pacific to Atlantic. The total was 11.83 per cent of all cargo carried through the canal during the year.

A standard color scheme for pipe lines in factories is suggested in the National Safety News, as a safety measure.



A Fibered Gypsum Plaster Board that will not shrink, warp or buckle.

Liberty Wall Board

Nothing better for inside use in any climate. Has great fire resistance, is sanitary and vermin proof, impervious to sound, moisture, heat and cold.
SIZES AND WEIGHT — ¼ inch thick, 32 and 48 inches wide, by various lengths up to 12 feet. 1 2/10 lbs. per square foot.

PROMPT DELIVERY
WRITE FOR QUOTATIONS

Key-Hold Plaster Lath Co.

Office and Factory
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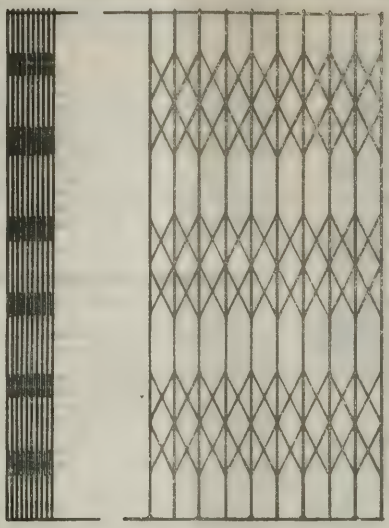
TELEPHONE MARKET 5767



Folding Gates

Ornamental and Miscellaneous
Iron Work

Steel Sash :: Wire Work

Michel & Pfeffer Iron Works

Harrison and Tenth Streets
San Francisco

Phones { Market 730
Market 731

Larsen Construction Reports

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SAN FRANCISCO, CAL., NOVEMBER 12, 1921

Published Every Saturday
Twenty-first Year, No. 46

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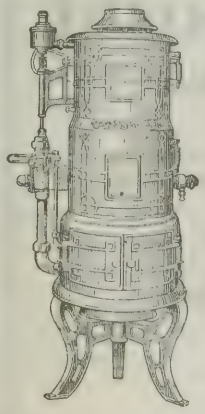

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast.

Issued Every Saturday — SAN FRANCISCO, CAL., NOVEMBER 12, 1921 — Twenty-first Year, No. 46

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Hoover's Building Envoys Heard Here

On a mission inspired by Secretary of Commerce Herbert Hoover, who was referred to as "the greatest constructive mind of any man in the country," W. O. Winston of Minneapolis and F. L. Cranford and D. A. Garber of New York, nationally known contractors, urged the San Francisco building industry on the importance of speeding up construction work, the key to the unemployment situation.

The visitors were the guests of the Contractors' Association of Northern California and the General Contractors' Association of San Francisco at a dinner in the Palace Hotel. Charles W. Gompertz of the General Contractors' Association, presided.

Cranford said that some avenues to finance the huge war debt must be found.

"Our railroad terminals are in need of improvement," he said, "while hydro-electric development and irrigation and reclamation projects are other issues which are going to give you the economic facilities necessary to carry the burden of the war. Compared with the East, you in California have minor problems."

Throughout the speaking the need of a national association of general contractors to protect their interests was pressed. Winston devoted his remarks to an outline of what the Associated General Contractors of America, of which he is president, has accomplished in its brief career.

October Building in Los Angeles Totals $9,781,394

Breaking records has come to be a regular feature of building in Los Angeles. For the fourth time during the current year a new high monthly mark has been set. October rolled up 4489 permits with an estimated valuation of $9,781,394. This is the first time the number of building permits issued in a single month has passed 4000. The total valuation for October exceeded that for the previous high record month, September, 1921, by $1,477,729 and is 50 per cent greater than the valuation for October, 1920. The extraordinary feature of the building total for October, 1921, is that only about $900,000 was represented by Class A and Class C structures divided among 49 permits. Ordinary building operations predominated as they have done for a considerable period.

A total of at least $75,000,000 for the entire year is forecast. During the first ten months of 1921, 29,600 permits with a valuation of $64,906,760 have been issued. The valuation is $14,954,658 in excess of that for the corresponding period in 1920. November and December may roll up big totals, but it is doubtful if either will reach the October mark, unless permits for some very large building projects are issued. Just now a considerable number of large building operations are looming up and some of these will be started very soon.

October, 1921, was a banner month also for housing operations. Permits issued for apartment houses, flat buildings and dwellings, totaled 2041 with an estimated valuation of $6,565,463. These buildings will provide accommodations for 2657 families. They represent 45.5 per cent of the total number of building permits and 67.2 per cent of the total valuation for the month. Continued rapid growth of the city is attested by the fact that with the extraordinary housing activities of the last two years the city has not yet caught up with the demand.—Southwest Builder.

TRUCK HIGHWAY DAMAGE IS AWAKENING PEOPLE

Discussing the problem of the motor truck and the upkeep of highways as well as truck and rail competition, the Portland Telegram in a recent issue says in part:

"This competition is complained of as unfair to the railroads because the motor trucks run on roads built and maintained by tax levy upon the public, while railway roadbeds and rails must be built and maintained by the roads themselves. To equalize this to some extent a heavier tax on trucks is proposed.

"Figures showing what part of the highway expenditures are paid by taxes on trucks are not available for all States, but the proportion as shown is generally small, not usually exceeding one-tenth and running as low as half that figure. And yet it is the motor truck, more than all other vehicles combined, which destroys paved road values.

"A heavy truck running at high speed will spoil more pavement in one trip than all the pleasure cars of the entire month. For this reason trucks should pay a heavier tax than any other vehicle. Some Eastern States are contemplating taxing unreasonably heavy trucks off the highways with a tax of $100 per ton for every truck of five tons or more.

"No tax or fine should be levied on motor trucks with a view to protecting the railroads from their competitors. But building highways on auto taxes may equitably be done, and it is being successfully done in many of the States. Minnesota has authorized the expenditure of $100,000,000 on its system of State roads, the entire amount to be paid by taxes on motor driven vehicles. These roads will be built with concrete bases to withstand truck traffic, and doubtless trucks will be compelled to pay taxes in proportion to their destruction of the roadbed."

CALIFORNIA LUMBERMEN'S ASSOCIATION IS ORGANIZED.

Organization of the lumber interests in California has been permanently effected for the purpose of developing and improving trade conditions, with the ultimate purpose of reducing the cost of lumber to the consumer, and stimulating home building and general improvements.

The new organization is called the California Lumbermen's Association, and at its second meeting October 24 in the Merchants' Exchange building, San Francisco, definite plans for the future were projected.

J. H. Hunter of Oakland was appointed secretary and treasurer and instructed to open offices in the wholesale district of San Francisco and get under way as soon as possible a membership drive.

The organization plans to include in its membership the wholesaler, retailer and the manufacturer. It is pointed out that with these important branches of the lumber industry working as a unit, special and definite services can be supplied to the individual lumber merchant and that better and more efficient business methods can be installed. All of these, the lumbermen believe, will work toward a more economical merchandising of their product.

A delegation will be sent from the Association to the Southern California Retail Lumbermen's Convention to be held in Los Angeles on November 12.

Hunter plans an intensive campaign in California. Offers of support and assistance have already been received from many of the leading lumbermen.

F. E. Conner of the Sacramento Lumber Company has been elected president and F. Hiscox of the Hard Wood Lumber Company of San Francisco vice-president of the association.

WATER POWER

It is of interest to note that the report of the United States Geological Survey, issued September 20, tabulating the power produced in the United States by public utility plants, shows a total output of water power for the month of July of 1,226,779,000 kilowatt hours, of which amount California produced 314,220,000 kilowatt hours, or 39 per cent of the total.

Aside from California, there was only one state which produced over 100,000,000, this being the state of New York, where the total was 157,208,000 kilowatt hours, or about one-half the production in California.

The same report shows that California used more natural gas for the production of electric power than any other state in the union.

The Observer

Practically every section of the Pacific Coast reports an increase in building activities for October over those of September:

SAN FRANCISCO. — September operations, $2,100,163; October, $2,498,523. Outlook good.

LOS ANGELES.—September, $8,303,-665; October, $9,781,394. Housing most active construction.

OAKLAND. — September, $1,478,738; October, $1,245,220. Threatened railroad strike has some effect on October activities, it is thought. General revival of building looked for.

SACRAMENTO.—October operations, $489,226. More homes built during October than in any one month for several years.

ALAMEDA.—September, $97,069; October, $85,673. Construction of moderate priced residences feature of program.

MODESTO.—September, $49,550; October, $97,407. Home building is most active.

FRESNO.—September, $153,275; October, $306,685. Outlook in this section unusually bright.

EUREKA.—October operations, $26,-005. Largest building erected during month, Y. M. I. hall, costing $12,800.

PALO ALTO. — September, $39,844; October, $56,697. Residence construction is feature of program.

BERKELEY. — September, $312,629; October, $371,326. Residence construction most active.

BAKERSFIELD. — September, $72,-395; October, $102,900. Fourteen cottages erected during October.

SAN JOSE. — October operations, $117,355. Approximately $100,000 for new buildings during October. Erection of homes and apartments heads program.

Rabbi David Phillipson, acting as arbitrator in the building trades wage dispute at Cincinnati, O., has submitted his report, which provides for a reduction of 14% in wages of 19 crafts, parties to the arbitration. Six crafts are not in the agreement. These are the bricklayers, carpenters, glaziers, marble setters, painters and elevator constructors. He recommends a scale for these crafts to be followed by contractors, parties to the agreement, carrying a reduction of 12½c an hour. This would mean $1.12½ an hour for bricklayers, 87½c for carpenters, marble setters and glaziers and 75c for painters. Wages are fixed for plasterers at $1 an hour, for hod carriers at 72½c, for plumbers at 87½c, and laborers at 37½c. Composition roofers are allowed 57½c and tile and slate roofers 87½c. In many respects Dr. Phillipson reviewed and fixed wages along lines similar to those followed by Judge Landis in the Chicago wage controversy.

Louis C. Mayer, civil engineer, has opened an office in the Consolidated Realty Bldg., Los Angeles, and will engage in private practice. He was, until recently, an assistant engineer in the Los Angeles City Engineer's office.

Construction in Canada has been at the lowest ebb in history for a protracted period. In an effort to stimulate revival of building, lumbering concerns in northern Ontario and Quebec have set back wages of "lumberjacks" to prewar levels at one sweep. Last year men in the lumber camps were receiving $60 and $70 a month and board. Their pay has been cut to $1 a day and board, with the expectation that a radical reduction in price of lumber will start the building of houses, which has been halted by high prices.

E. F. Hogan, former Pacific Coast sales manager of the Vulcanite Roofing Co., has joined the organization of the Paraffine Companies, Inc., in Los Angeles.

A proposed reduction of from 25 to 30 per cent in freight rates on hardwood lumber and forest products from Mississippi Valley producing territory to points in the West is announced by the Memphis, Tenn., offices of the Southern Pacific Railroad. The new tariffs, it was stated, would give hardwood mills in this territory practically the same rates as provided before the increases on lumber of August 10, 1920, were granted the railroads. The new tariffs will be filed with the Interstate Commission Commission immediately.

F. A. Meyer has opened up the Meyer Safety Switch Co., at 575 Howard St., where he will manufacture a line of safety switches, cabinet and electrical sheet metal products.

A railroad from Nogales to Mexico City is favored in a report filed with the foreign trade department of the San Francisco Chamber of Commerce by H. B. Titcomb, head of the Southern Pacific lines. Such a road would enable the West Coast to furnish practically all supplies needed by the Mexican capital and neighboring territory.

Frank E. Fielding, Jr., for ten years credit man for the Riverside Portland Cement Co., died Oct. 21.

For the purpose of investigating the latest developments in hydro-electric engineering in California, Dr. Tatsumi Michida and Jiuji G. Kasai, both of the Fuyigasu Spinning Co. of Tokyo, which concern annually buys $15,000,000 worth of American cotton, were in San Francisco. The company's annual output is $50,000,000 worth of finished products. Hydro-electric plants of the company are equipped with American machinery, and more machinery is to be purchased.

An advertisement purporting to come from W. D. Anderson Co. of San Bernardino, saying that city is in need of 5,000 to 10,000 bricklayers, plasterers and carpenters, was published recently in the New York World. Anderson, a well driller and contractor at San Bernardino, denies any knowledge of the advertisement and, moreover, says he has all the employes he needs. The perpetrator of the hoax may have been inspired by a desire to start a migration of unemployed from the East, but he made a wild guess when he picked out San Bernardino as the objective for 5,000 to 10,000 men seeking jobs.

Wages of carpenters in Canada range from 50 to 90 cents per hour, plasterers from 50 cents to $1.15, bricklayers from 75 cents to $1.15, painters from 40 to 90 cents and laborers from 25 to 60 cents. Highest wages are paid in the Western provinces These figures are from a compilation showing current wages made by the Association of Canadian Building and Construction Industries. The wide range of wages reflects variations in local conditions. The general average is lower than in the United States, but not as low as reports have indicated.

Want to buy a concrete mixer? The Nevada Engineering and Supply Co., Reno, Nevada, has for sale a mixer with an 8 h.p. gasoline engine, mounted on a truck.

The Sacramento County Highway Department of Construction and Maintenance, built under the Highway Act, later declared unconstitutional, is to cease functioning, according to Drury Butler, County Surveyor.

"Drainage in California" is the latest bulletin to be issued by the Department of Commerce. Statistics for the State and its counties, in the bulletin, were prepared by Roger D. Marsden, special agent in charge of drainage, under the supervision of William Lane Austin, Chief Statistician for Agriculture.

Approval of a reduction of approximately 30 per cent on lumber rates on shipments from the Pacific coast to points east of the Mississippi is announced by G. T. Slauson, general agent of the Union Pacific system, in accordance with word received from the Central Freight Association's special committee. The new rates will be on a firm lumber base of 65 cents to Cincinnati and Detroit, 88½ cents to Pittsburg, Buffalo and common points and 90 cents to New England. Commodities affected include inside finisihngs, door, window and screen frames, panels and all lumber products.

Construction has been started in Kingsburg, Fresno County, on the plant for the Kingsburg Planing Mill. The main building, of corrugated iron construction, will be 80x150 feet; lumber shed, 24x100, and warehouse 24x100. The company is capitalized at $65,000, with Oscar F. Erickson, president; Harry Rudvall, vice-president; Bernard Erickson, secretary-treasurer. A portion of the machinery for the plant has already been purchased.

D. F. Shope, president of the Shope Brick Co., manufacturers of concrete brick, with main office in Portland, Ore., announces his company has secured a contract to erect a brick plant in Canton, China, for the Chinese Government The plant will have a daily output of 125,000 brick. The contract was secured through Geo. H. Shanks of Chicago, who holds contracts for the expenditure of more than $10,000,000 in new industries, railroads and buildings for the Chinese Government.

State Highway Finance Board contemplates the sale of $7,000,000 worth of highway bonds at a reduced rate of interest. It is proposed to hold the sale December 7. It is the opinion of the board that the bonds will sell at the reduced rate because of the present condition of the bond market.

The Engineer's Part in Bond Election Campaigns

By R. E. McDONNELL, of Burns and McDonnell Engineering Co, Kansas City, Mo.

(Paper presented Oct. 14 before the Thirteenth Annual Meeting of the League of Kansas Municipalities.)

As a basis for bond elections, municipal officials usually adopt the method of employing a consulting engineer who makes his preliminary plans, estimates of cost, and report on the project. The carrying of the bonds is then usually left to the city officials, who with the aid of civic organizations, endeavor to interest the voters in support of the project. The failure to carry many worthy projects has caused the writer to adopt modern methods which, upon trial, have proven so successful that it is believed they could with profit be adopted by any city having a bond election under consideration.

Bond elections in growing communities are necessary, once in about every three years, and in one state last year over one hundred bond elections were held. It is a waste of time, money and energy to place any bond issue before the public without fully informing the voters of every phase of the project, such as feasibility, first cost, and cost of producing the commodity, whether it be water, electricity, gas, heat, or ice. Operating costs, fixed charges, revenues, and rates to be paid often decide the fate of bond issues.

Carrying on Bond Elections an Engineering Problem

After twenty-five years' engineering experience in solving municipal problems, the writer is convinced that the carrying of bond elections is an engineering problem and should be handled by the engineer as a part of his duties, rather than that the burden be shifted to city officials, whose office is political and where supporters of the administration must be appealed to. Many partisan voters, or "outs," decline to enthuse on a bond project because it is advocated by the "ins." An engineer is employed to handle the work because of his special engineering training and skill, and, having no political ambition, his advice, suggestions and recommendations "listen good" to a great majority of citizens who find politics and good municipal utilities don't mix. Votes for bonds are no longer secured by appeals of oratory to "Support the administration," "Have confidence in them, they will spend it honestly," "Show pride in your city," "Our old run-down utilities are a heritage of the last administration," and similar phrases, but nowadays the voters question and analyze the operating and maintenance cost, the upkeep, life of material, etc., and must be shown wherein they are going to be benefited. This critical and proper analysis by the voters, whether men or women, requires a different campaign and it must be one of education along the engineering problems involved. To prepare a fine set of plans, or a beautifully bound report, no longer satisfies. The job, or bond issue, must be sold to the public and the buyer, or voter, wants facts, figures and absolute proof that the investment is a profitable one for himself and his home town.

How a Campaign Was Conducted

A successful bond campaign for a half million dollars for rehabilitating the municipal water works plant at Parsons, Kansas, has recently been conducted by our engineering organization and the methods used are outlined as an example of what other cities might accomplish by adopting similar methods.

Preliminary plans, maps, estimates and summaries of the report were prepared on a large scale for use in window displays. About 75 stereopticon slides were made and used at mass meetings and before civic organizations. Municipal band concerts were held outdoors and following the concerts all features of the project were explained —cost estimates, operating expenses, depreciation allowance, bond sinking fund, revenues and rates, with net income, were shown through graphical diagrams. All engineering features were so clearly explained that a prominent attorney, commenting on the project, said: "The engineering is shorn of its technical features and we are now all engineers and see the soundness of the whole project."

Engineers Prepare Publicity Matter

"The Parsons Sun" expressed a willingness to publish a series of water works articles, which were prepared by the engineers. These articles were run daily, many of them being illustrated by views showing both the present conditions of the water works system and the proposed improvements. Over fifty of these articles were prepared and used. They were written, not as a technical journal would use them, but as newsy, interesting items. To test their power to interest readers, an interruption was intentionally made which caused many 'phone calls of inquiry and request for the articles to continue. Some knowledge of the fifty articles may be gained by quoting some of the titles: "Why the Women of Parsons Want Pure, Soft, Water," "How Good Health Can Be Purchased," "What Happens When a Water Famine Occurs," "The Cost of a Typhoid Epidemic." A feature of the improvements was a modern water purification sytem to displace a very inadequate and antiquated system. Comparative figures were given showing the saving in cost of operating a modern plant, thus showing the voters that they were daily losing money by operating an inefficient plant, besides giving the city an unsafe water to drink. Former bad fires were illustrated, with tables of annual fire losses, showing the fire loss per capita far above that of other cities. Insurance rates were shown to be exorbitant because of the present inadequate protection. Fire losses due entirely to poor pressure were shown to exceed the total bond issue asked. A portion of the improvements consisted of replacing a large amount of small steel and wrought iron pipe, also replacing a flow line of spiral riveted steel and vitrified pipe. The leakage figures were given, showing a loss of over half the water pumped. Exhibits of this worn-out pipe were placed at prominent street corners, with placards giving age, when removed, etc. The per capita cost of the Parsons proposed improvements was shown to be less than that of about 25 cities similarly situated.

The generation of electricity for operating low service pumps over a 10-mile transmission lien to the River Station and also low service pumps at the City Station, lighting the grounds, stations, etc., was a part of the improvements strongly opposed by a private company, wanting to sell electricity to the city. This feature involved a fight for municipal ownership, with all its advantages, to be shown by the engineers. The salesmen with something to sell in the way of machinery, equipment, pipe, oil engines, steam engines, etc., were very active, making it necessary for the engineers to make an unbiased report on each, and thus forestalling opposition to the bonds.

The Speaking Campaign

The publicity campaign through the papers and by personal presentation of the plans before civic organizations continued for four weeks, with an intensive speaking campaign for one week, when 21 meetings were addressed, in explaining the engineering, economic and health features of the project. Noon meetings were addressed when factory, shop and office employes were reached. Slides were daily distributed to all the picture shows, showing some special features of the improvements. Local speakers were organized and ten-minute talks at all picture shows were made during the closing week. Church announcements were made, calling attention to the necessity of good citizens voting either for or against, but leaving them to form their own conclusions.

The women voters, through the Parsons Federated Women's Clubs, sponsored the final mass meeting, bringing before the women voters the importance of the water supply from the standpoint of health, hygiene, sanitation, beautiful lawns, clean streets, swimming pools, school and street drinking fountains, etc.

Various business men co-operated and jointly carried full-page advertisements recalling former water famines, bad fires, and showing what the new improvements could offer in the way of securing new industries in Parsons.

Home owners were clearly shown by figures that not a dollar of taxes would be added, but that the revenue would make the plant self-supporting.

The engineers conducting the campaign had the support and active aid of the Mayor, but no aid or co-operation from one of the Commissioners, and the active opposition of the other Commissioner, until two days previous to the election, when his conversion occurred and the three united in a printed statement favoring the bonds. Other early opposition gradually melted away as the project became understood and those who had opposed came out in print favoring the bond issue. In their articles and talks the engineers refrained from directly urging the voters to support the bonds, but took the position of a disinterested consulting physician to a sick utility, and presented their prescription for the patient in the form of plans, estimates and report, and all features of these were clearly explained, leaving the voters to form their own conclusions whether they wanted to vote for or against the bond issue.

The prescription offered was taken, the bonds were carried, and the half million dollar improvement is now being carried out under the guidance of the engineers, with the expectation that the sick utility will soon be restored to health.

The engineers have found from experience that the same character of bond campaign is applicable toward any municipal problem. It has recently been successfully applied on bonds

(Continued on Page 81)

Building News Section

APARTMENT HOUSES

Plans Being Prepared.
APT. HOUSE Cost, $28,000
SAN FRANCISCO. Mission District.
Three-story and basement frame and brick veneer apartment house, 30 rooms (six 3 and six 2-room apartments and 4 garages).
Owner—Name withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Plans will be ready for figures in two weeks.

Segregated Figures To Be Taken First of Next Week.
APARTMENTS Cost, $14,000
SAN FRANCISCO. S.W. California St. and 26th Ave.
Two-story and basement frame apartments (3, 4 room and 15-room apartments).
Owner—J. E. Beck, 435 Cabrillo St.
Architect—Albert W. Burgren, 110 Sutter St.

To Be Done By Day Labor.
APARTMENTS Cost, $——
SAN FRANCISCO. W. Stockton, 60 S. Pine.
Three-story and basement, reinforced concrete, 6 apartments.
Owner—O. E. Carlson, 180 Jessie St.
Architect—Not given.

Sub-Figures Being Taken.
APARTMENTS Cost, $20,000
SAN FRANCISCO. No. 85 Scott St.
Three-story frame and plaster apartment house (four 3-room and one 6-room apts.).
Owner—C. Brown.
Architect—O. E. Evans, 2569 Mission Street.

Plans Being Prepared.
APARTMENTS Cost, $18,000
SAN FRANCISCO. Russian Hill.
Two-story frame and plaster apartments, one 7-room and two 4-room apartments.
Owner—Name withheld.
Architect—Ernest Hildebrand, 68 Post St.

Building Permit Issued.
APARTMENT BLDG. Cost, $500,000
LONG BEACH, Los Angeles Co., Cal. W. Ocean Ave.
Eleven-story Class "A" apt. bldg., 61x100 (200 rooms).
Owner—Frank E. Wright, 104 Pacific Ave., Long Beach.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor — Wallace-Bush-Skidmore Corp., L. A. Ry. Bldg., Los Angeles.
The plumbing contract has been awarded to Bruce McDonald of San Jose.

Contract Awarded.
APT. HOUSE Cost, $125,000
LOS ANGELES, Cal. Ingraham and Valencia Sts.
Three-story and basement frame and plaster apartment house, 117x116 (51 apts., 115 rooms).
Owner—Kate Merrill.
Architect—E. B. Rust, 527 Black Bldg., Los Angeles.
Contractor—L. T. Mayo, 531 Black Bldg., Los Angeles.

Segregated Figures Beeing Taken.
APT. HOUSE Cost, $35,000
SAN FRANCISCO. O'Farrell between Hyde and Leavenworth Sts.
Four-story and basement reinforced concrete apt. house (13 two-room apts.).
Owner—George Boss.
Architect—E. E. Young, 251 Kearny Street.

Figures To Be Taken the End of Next Week.
STORE & APTS. Cost, $75,000
MARYSVILLE, Yuba Co., Cal.
Five-story brick store and apartment house (15 four-room apts.).
Owner—Name withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Figures to be Taken End of Next Week
ALTERATIONS Cost, $15,000
SAN FRANCISCO. W Divisadero St., between Geary and Post Sts.
Alter stores and flats into apartments.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans Completed.
APARTMENTS Cost, $75,000
SAN FRANCISCO. NE Geary and Leavenworth Streets.
Four-story and basement brick (31) apartments.
Owner—Joseph Cahen, Jas. Oppenheimer and J. A. Cooney.
Architect—Sylvain Schnattacher, 233 Post St., San Francisco.

BANKS

Being Done by Day's Work.
BANK BLDG. Cost, $20,000
SAN FRANCISCO. SW Castro and 17th Sts.
One-story brick bank building.
Owner—Bank of Italy, Powell and Eddy Sts.
Architect—Edward T. Foulkes, Crocker Bldg.

Plans Being Figured.
ALTERATIONS Cost, $——
BAKERSFIELD, Kern Co., Cal. East Bakersfield (Metropole Hotel Bldg.)
Alter two stores into banking quarters.
Owner—Bank of Italy.
Architect—Orville L. Clark, Brower Bldg., Bakersfield.

FRESNO, Fresno Co., Cal.—Fidelity Trust and Savings Bank of Fresno, First National Bank of Los Angeles and the Los Angeles Trust and Savings Bank affiliation has been perfected and are planning to erect a modern office and bank building at J and Mariposa Sts., costing in the neighborhood of $300,000.

BONDS

BLYTHE, Riverside Co., Cal.—The $850,000 bond issue for constructing drainage works in Palo Verde Drainage District carried at special election and a block of $250,000 will be offered for sale at once. C. K. Clarke will be the engineer in charge of construction.

WILLOWS, Glenn Co., Cal.—An election will be held November 29 in Willows Union School District to vote bonds of $109,000 to finance school improvements. Trustees of the district are: A. D. Pieper, H. G. Rawlins, Mrs. Minnie M. Walker, J. W. Shaw and M. D. Adams.

MARTINEZ, Contra Costa Co., Cal.—Supervisors sell $6000 bond issue of Briones School Dist. for a premium of $50; proceeds will finance construction of a new school.

SAN JOSE, Santa Clara Co., Cal.—December 27 is date set to vote bonds of $500,000 to purchase a site and finance construction of a memorial auditorium with a seating capacity of 3500.

SACRAMENTO, Cal.—Until November 21, bids will be received by the Supervisors for purchase of $9000 bond issue of Fremont School District; proceeds of sale to finance construction of school improvements.

NEWPORT BEACH, Orange Co., Cal.—The $80,000 bond issue for extensions and improvements to city water system carried at special election. Proceeds will be used to purchase 5 acres water bearing land, new pumping plant, high pressure water line and new mains. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, engineer.

OAKDALE, Stanislaus Co., Cal.—The Trustees plan election to vote bonds of $45,000 for street paving.

VISALIA, Tulare Co., Cal.—Due to changing the boundaries of the Waukena School District, the Tulare County Supervisors have canceled the $40,000 bonds voted to finance construction of a new school and another election will be necessary.

CHURCHES

Plans Being Revised.
CHURCH BLDG. Cost, $——
LOS ANGELES, Cal. Pasadena Ave. between Ave. 65 and Ave. 66.
Two and three-story frame and plaster church bldg., 64x100.
Owner—Methodist Episcopal Church.
Architect—Arthur G. Lindley, Wright & Callender Bldg., Los Angeles, Cal.

Plans To Be Prepared.
CREMATORY Cost, $60,000 to $100,000
BERKELEY, Cal. Sunset View Cemetery.
Fireproof crematory.
Owner—Berkeley Crematory Co., Geo. B. Baxter, Mgr.
Architect—W. H. Ratcliff Jr., 1st Natl. Bank Bldg., Berkeley.

SACRAMENTO, Cal.—Plans for the erection of a catholic church building in the Fair Oaks District are being formulated by a committee headed by D. C. Willett. Others interested in the project are: Wm. Douglas, 1310 8th St.; Frank Shea, 2736 Second Ave.; Wm. Coyle, 2602 Sacramento Ave.; M. F. McKenzie, 1126 T St.; Wm. Fleming, 1414 Twelfth St., and Jos. Griffith, 20 8th St., all of Sacramento.

FACTORIES & WAREHOUSES

Sub-figures To Be Taken Next Week.
FACTORY Cost, $75,000
OAKLAND, Alameda Co., Cal. End of E.-14th St. at City Limits
Two-story reinforced concrete automobile factory with 4 wings (exterior dimensions about 800x800).
Owner—Durant Motors Co.
Structural Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Mechanical Engineers—Hunter & Hudson, Rialto Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.
There will also be an office building and other buildings. Ground will be broken on November 12.

Sub-figures Being Taken.
WAREHOUSE Cost, $25,000
STOCKTON, San Joaquin Co., Cal.
One-story brick and concr. warehouse.
Owner—Overland Transfer Co.
Architects and contractors—Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Contract Awarded.
WAREHOUSE Cost, $200,000
Approximately.
SACRAMENTO, Cal. L Street, between Sixth and Seventh Streets.
Five-story brick and mill construction with steel sash warehouse, 160x160 (2 elevators, sprinkler system, heating system, etc.)
Owner—John Breuner Co.
Architect—Jens C. Petersen, People's Savings Bank Bldg., Sacramento.
Contractor—George D. Hudnutt, California Fruit Exchange Bldg., Sacramento.

Bids Opened.
LOFT BLDG. Cost, $45,000
OAKLAND. W Webster St. N 14th St.
Two-story and basement reinforced concrete loft building, 50x150.
Owner—Max Horwinski.
Architects—Sidney B. and Noble Newsom, Nevada Bank Bldg., San Francisco.

Concrete Work

M. C. Vaughn, Ayala St., Okd...$27,584
C. Sartorio 29,100
Farrell & Reed..... 29,666
Vukicevich & Bagge..... 30,884
Clinton Constr. Co..... 31,620
F. E. Nelson..... 33,300
Lange & Bergstrom..... 34,000
Alfred Vogt 34,344

Reinforcing Steel and Erection

W. S. Wetenhall, 601 Mission St., San Francisco.....$8849.00
Trusscon Steel Co..... 8869.00
Gunn-Carle Co..... 8997.00
Edw. L. Soule..... 9008.00
W. B. Kyle..... 9024.50
Badt-Falk Co..... 9231.00
J. B. Morehouse..... 9812.07

PORTLAND, Ore.—D. F. Shope, president of the Shope Brick Co., manufacturers of concrete brick, with main offices in this city, announces his company has secured a contract to construct a 125,000 daily capacity brick plant in Canton, China, for the Chinese Government. Machinery for the plant will be manufactured in Portland.

RICHMOND, Contra Costa Co., Cal.—The Golden West Motor Truck Co., S. Michelson, President, builders of 4-wheel drive trucks, is planning the erection of a factory in this city. The company is now operating a plant in Sacramento.

KINGSBURG, Fresno Co., Cal.—Excavation has been started for the proposed Kingsburg Planing Mill in Stevenson St., to be operated by Erickson Brothers and Harry Rudvall. Main building will be of corrugated iron construction, 80x150 ft.; shed, 24x100 ft.; warehouse, 24x100 ft. Officers of the company, capitalized at $65,000, are: Oscar F. Erickson, president; Harry Rudvall, vice-president; Bernard Erickson, secretary-treasurer.

SEATTLE, Wash.—Architect Harry H. James, American Bank Bldg., preparing plans for two-story heavy mill construction factory, 138 by 160, to be erected for Kilbourne-Clarke Mfg. Co., in Spokane St.; estimated cost, $60,000.

MARTINEZ, Contra Costa Co., Cal.—The Chamber of Commerce announces that the Victory Manufacturing Co. of Niles will decide in the immediate future whether or not its new factory will be established in Martinez. The Chamber is confident that Martinez businessmen will subscribe sufficient stock to secure the plant.

LOS ANGELES, Cal.—W. J. Moran Co., 512 Central Bldg., Los Angeles, has prepared plans for a cotton factory for Imperial Cotton Mills Co. which has three sites under consideration. Two buildings each 110x420 ft.; steel frame and roof trusses, brick walls, steel sash, composition roofs, cement and maple floors. Union Iron Works has the steel contract.

FLATS

Contract Awarded.
FLATS Cost, $13,475
SAN FRANCISCO. N.W. Geary and 5th Ave.
All work except wall beds, paper, finish hardware and electric fixtures for 2-story frame (4) flats.
Owner—Jas. Cantley, 180 Jessie St.
Architect—Edw. E. Young, 251 Kearny street.
Contractor—D. Leigh, 810 44th Ave.

To Be Done by Day's Work.
FLATS Cost, $35,000
SAN FRANCISCO. E. 21st Ave., N. California.
Five 2-story and basement frame flats (2 flats each).
Owner—Jeanette Liebman, 113 9th Ave.
Architect—C. O. Clausen, Hearst Bldg.

Plans Being Prepared.
FLATS Cost, $24,000
SAN FRANCISCO. Filbert, near Baker.
Three 2-story and basement frame and plaster flat buildings, three 5-room flats each, with garage in basement.
Owner—Withheld.
Architect—Arthur S. Bugbee, 26 Montgomery.

Plans Completed.
FLATS Cost, $8,000
SAN FRANCISCO. E. 12th Ave., 275 S. Geary.
Owner—P. G. Anderson, 114 Stillman St.
Architect—Chas. F. Strothoff, 2274 15th St.

Contract Awarded.
FLATS Cost, $9,000
SAN FRANCISCO. W. 15th Ave. 175-5 S. Geary. Two-story and basement frame (2) flats.
Owner—Jas. H. Callahan, No. 508 Scott Street.
Architect—H. C. Baumann, No. 251 Kearny St.
Contractor—A. L. Thulin Co., No. 242 18th Ave. $[illegible]

GARAGES

Contract Awarded.
GARAGE Cost, $17,500
SAN FRANCISCO. 11th Ave. and Geary St.
One and two-story reinforced concrete garage.
Owner—Jacob Weissbein.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St.

Low Bidder.
ADDN TO GARAGE Cost, $——
SAN FRANCISCO. Post and Taylor Streets.
Addition to class "A" reinforced concrete garage.
Owner—Musto Estate.
Architect—Meyer & Johnson, Bankers' Investment Bldg., San Francisco.
The lowest bid was submitted by the American Concrete Co., Humboldt Bank Bldg., at $23,572.

Preliminary Plans Being Prepared.
GARAGE Cost, $40,000
STOCKTON, San Joaquin Co., Cal.
Two-story reinforced concrete and brick garage.
Owner—Withheld.
Architect — Victor Galbraith, Elks' Bldg., Stockton.

Plans Completed.
GARAGE Cost, $15,000
STOCKTON, San Joaquin Co., Cal.
Steel frame and galvanized iron garage.
Owner—Withheld.
Architect — Victor Galbraith, Elks' Bldg., Stockton.

Plans Being Figured.
COM GARAGE Cost, $40,000
SAN FRANCISCO. W. Jones 75 N. O'Farrell St.
One-story and basement reinforced concrete commercial garage.
Owner—R. W. Kern.
Architect — O'Brien Bros., 240 Montgomery St.
Figures will be taken for grading and a general contract.

Contract Awarded.
GARAGE BLDG. Cost, $8976
STOCKTON, San Joaquin Co., Cal. San Joaquin General Hospital Grounds.
Brick garage and shop building.
Owner—County of San Joaquin, Eugene Graham, Clerk.
Architect—Ralph P. Morrill, I. O. O. F. Bldg., Stockton, Cal.
Contractor—Daniels & Green, Stockton
The following is a complete list of the bids received:
Daniels & Green.....$8976
Shepherd & Riley (1) $9042; (2) $9242; (3) $10,145.
O. K. Chain (1) $9293; (2) $9340; (3) $9613; (4) $9945.
Frank Tucker .....$ 9,873
Powell & Medbury 10,508

Plans Being Prepared.
GARAGE-GATES Cost, $1,200
SAN FRANCISCO. Stanyan St., near Lincoln Way.
Garage and ornamental concrete entrance gates for residence.
Owner—Name withheld.
Architect—Arthur G. Scholz, Phelan Bldg.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, is preparing Specification No. 4548 for turbo alternator for Pearl Harbor, T. H. Bids will be called for on completion of specifications.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, preparing specification No. 4551, for the erection of ice coolers and drinking fountains at San Diego, Calif. Bids will be called for shortly.

SAN FRANCISCO—Until Nov. 17, 10 a. m., under Circular No. 22-24, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering 12 cross-cut circular saws, solid teeth, 30-in. No. 10 gage, 1½-in. hole, packed for overseas shipment.

WASHINGTON, D. C. — Following bids received by Supervising Architect, Treasury Department, for construction, except mechanical equipment, of an infirmary group, 3 buildings, and for extensions to the heating, power, and refrigerating plant for the U. S. Public Health Service hospital at Fort Bayard, N. Mex.:

Item 1, kitchen and dining-room building and wing A; 2, construction of wing B and corridor; 3, moving buildings 24 and 302 to new location; 4, constructing extension to central heating plant; 5, constructing extension to power plant and refrigerating plant.

King Lumber Co., Charlottesville, Va., item 1, $544,887; 2, 281,000; 3, $25,000; 4, $15,000; 5, $18,000.

Campbell Building Co. of Utah, Salt Lake City, Utah, item 1, $379,834; 2, $261,452; 3, $27,172; 4, $14,694; 5, $16,925.

Summner - Solitt Co., Chicago, Ill., item 1, $330,000; 2, $220,000; 3, $15,000; 4, $9,200; 5, $14,000.

Cherdron Construction Co., Salt Lake City, Utah, item 1, $392,000; 2, $264,000; 3, $26,000; 4, $22,000; 5, $24,500.

J. H. Wiese, Omaha, Neb., item 1, $371,200; 2, $255,000; 4 $8,300; 5, $14,200.

W. D. Lovell, Minneapolis, Minn., item 1, $360,700; 2, $231,400; 3, $12,000; 4, 6,900; 5, $6,200.

R. E. McKee, El Paso, Texas, item 1, $309,879; 2, $209,789; 3, $18,515.40; 4, $6,965.30; 5, $12,185.60.

Wm. Simpson Co., Los Angeles, Cal., item 1, $377,445; 2, $257,132; 3, $16,700; 4, $10,216; 5, $12,518.

J. C. Buchanan, El Paso, Texas, item 1, $389,605; 2, $238,135; 3, $17,966; 4, $7,471; 5, $12,442.

WASHINGTON, D. C. —Following bids received November 2 by the Supervising Architect, Treasury Department, for constructing (except mechanical equipment) 2 semi-ambulant quarters, 4 double quarters, 1 double quarters, and 1 quarters for married attendants at the Public Health Service hospital, Whipple Barracks, Prescott, Arizona:

J. H. Wiese, Omaha, Neb., $291,600.

W. D. Lovell, Minneapolis, Minn., $220,700.

Sumner Sollitt Co., Chicago, $292,000.

King Lumber Co., Charlottesville, Va., $296,720.

Bids also opened at Whipple Barracks.

WASHINGTON, D. C.—The following bids were received on October 24 under Y. and D. specification 4528 for concrete pile foundations for dispensary and post exchange, San Diego, Calif.:

Item 1, work complete; 2, add or deduct for each pile in excess of or less than number called for on drawing.

Lange & Bergstrom, item 1, $15,237, 100 days; 2, add $71 and deduct $26; 3, add $3.50 and deduct 90c.

Ross Construction Co., item 1, $16,800, 85 days; 2, $67.50; 3, add $2.50 and deduct 50c.

WASHINGTON, D. C.—The Quartermaster General of the Army has authorized the following new construction work at various Army posts. Bids will shortly be requested by the construction quartermaster at the places named: Fort Mills, P. I., construction to provide storage facilities for nine buildings, Panama Canal, construction of storehouse, coal shed and rebuilding road at Fort Amador, C. Z.; rebuilding road at Fort Grant, C. Z.; coal shed at Fort Sherman, C. Z.; railroad bridge, Arsenal River, C. Z.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 8985, for all navy yards and stations, large quantities of brushes, Nov. 22.

Schedule 8993, for Mare Island and Puget Sound, 6190 acid-etched globes, Nov. 29.

Schedule 8994, for Mare Island, 10,000 ft. single conductor lighting and power wire, Nov. 29.

SAN FRANCISCO.—The War Department, through the Director of Sales, announces sales will be held at San Francisco on November 10, and at Fort Mason on December 5 for the sale of various materials no longer required by the Government. The material to be offered consists of clothing and equipage, textiles, motor and vehicles, leather and harness, subsistence in small quantities, general supplies, machinery and engineering, and raw materials. Catalogues listing all items to be sold at these auctions will be furnished on application to the surplus property officer at Fort Mason.

WASHINGTON, D. C.—The following bids were received on November 9th by the Bureau of Yards and Docks, Navy Department for remodeling Barracks Building, No. 53, at the Marine Reservation, Navy Yard, Mare Island, Calif. The work includes rearrangement of partitions, removing brick walls, moving cells and new work.

J. Pringle, 2364 32nd Ave., San Francisco (1) $14,154; (2) $14,866; (3) $17,000.

G. A. Bos, San Francisco (1) $14,283; (2) $14,870; (3) $16,355.

Lange & Bergstrom, San Francisco (1) $14,900; (2) $15,150; (3) $16,200.

Clinton Constr. Co., San Francisco (1) $16,600; (2) $17,600; (3) $18,750.

Lewis Tagnon, Vallejo (1) $19,580; (2) $20,580; (3) $23,280.

O. C. Holt, San Francisco (1) $20,232; (2) $20,570; (3) $21,560.

WASHINGTON, D. C. — Following awards have been made for Federal improvements:

To Geo. E. Wright, Inc., 1454 Monadnock Bldg., Chicago, Ill., at $18,254 for general repairs to various buildings at U. S. public health sanitorium, Fort Stanton, New Mexico.

To J. T. Little, Port Townsend, Wash., at $7,990 for install. lighting fixtures, etc., in U. S. quarantine station at Port Townsend.

To Geo. E. Wright, Inc., Monadnock Bldg., Chicago, Ill., at $3,380 for install. sewage ejector in postoffice at Stockton, Calif.

To Art Metal Construction Co., Jamestown, N. Y., at $8,450 for install. book stacks in U. S. public building at Honolulu, H. T.

To J. E. Morrill, Sacramento, at $1,383 for miscellaneous repairs to postoffice at Sacramento, Calif.

To United Dredging Co., 414 13th St., Oakland, at $143,806.88 for dredging in Richmond Harbor.

To Bethlehem Shipbuilding Corp., 20th and Illinois Sts., S. F., at $4,275 for dry docking and overhauling dredge San Pablo.

To L. C. Hart, Warrenton, Ore., at $1,077.32 for road work at radio station, Astoria, Ore. (Specification No. 4529, Bureau of Yards and Docks).

To Gordon E. Ward, 417 E. 34th St., New York City, at $3,243 for constructing dispensary at Marine Corps Base, San Diego (Specification No. 4527, Bureau of Yards and Docks).

To H. C. Bucey, 1067 Myrtle Ave., Long Beach, Calif., at $6,816 for moving temporary building at San Pedro, Calif. (Specification 4524, Bureau of Yards and Docks).

WASHINGTON, D. C.—Following is a list of prospective bidders for Federal projects:

Radio tower, Eureka, Calif. Specification No. 4533; bids to be opened by Bureau of Yards and Docks, Navy Department, Nov. 23: Moore Shipbuilding Co., foot of Adeline St., Oakland, Calif.; Mercer-Fraser Co., 109 G St., Eureka, Calif.; Ralston Iron Works, 20th and Indiana Sts., San Francisco, Calif.; Lackawanna Bridge Co., Buffalo, N. Y.; Phoenix Bridge Co., Munsey Bldg., Washington, D. C.; Hamilton & Chambers, 29 Broadway, New York City; Penn Bridge Co., 4029 4th St., Beaver Falls, Pa.; W. F. Martens, 53 Franklin St., Rochester, N. Y.; Donnell-Zane Co., Inc., Woolworth Bldg., New York City.

Radio tower, Keyport, Wash. Spec. No. 4538; to be opened Nov. 23 by Bureau of Yards and Docks:- Moore Shipbuilding Co., foot of Adeline St., Oakland, Calif.; Lackawanna Bridge Co., Buffalo, N. Y.; Phoenix Bridge Co., Munsey Bldg., Washington, D. C.

Steel shelving, counters, bins and wire partitions, San Diego, Cal. Spec. 4545; date for opening bids not yet set; Bureau of Yards and Docks: Williams, Brown & Earle, Inc., 918 Chestnut St., Philadelphia, Pa.; Durand Steel Locker Co., 76 W. Monroe St., Chicago, Ill.

Painting buildings and water tank, Point Loma, Cal. Spec. No. 4547; bids to be opened Nov. 23; Bureau of Yards and Docks: J. P. Sullivan, 4515 Indiana Ave., Chicago, Ill.

Erecting storehouse, Pearl Harbor, H. T., Spec. No. 4504; bids to be opened by Bureau of Yards and Docks Dec. 7: Hamilton & Chambers, 29 Broadway, New York City; Milton Zeisler, 40 Cedar St., New York City; Foundation Co., 120 Liberty St., New York City; Austin Co., 16112 Euclid Ave., Cleveland, Ohio; Lackawanna Bridge Co., Buffalo, N. Y.; Honolulu Iron Works Co., Woolworth Bldg., New York City; Henry W. Horst Co., Rock Island, Ill.

Sterilizing Equipment, Walla Walla, Wash.; bids to be opened by Supervising Architect, Treasury Department, Nov. 17: Amster Construction Co., 707 E. 133rd St., New York City; Roundsclist Co., Seattle, Wash.; Campbell Building Co., Salt Lake City, Utah.

HALLS AND SOCIETY BUILDINGS

Completing Plans.

CHAMBER OF COMMERCE BLDG. Cost, $60,000.

STOCKTON, San Joaquin Co., Cal. N. Weber Ave. bet. Sutter and San Joaquin Sts.

Two-story and basement reinforced concrete and brick Chamber of Commerce building with stores on the first floor.

Owner — Stockton Chamber of Commerce.

Architects & Contractors—Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Work on wrecking the structures now on the site will be started on the 15th.

Contract Awarded.

AUDITORIUM BLDG. Cost, $48,000

HOLLYWOOD, Los Angeles, Los Ange,

les Co., Cal. Hollywood Blvd. near La Brea Ave.
Brick auditorium bldg., 120x70, 1200 seats.
Owner—Hollywood Women's Club.
Architect—Walker & Eisen, 325 Pacific Finance Bldg., Los Angeles.
Contractor—Winter Construction Co., 2141 Sacramento St., Los Angeles.

Plans Completed.
STORE & LODGE BLDG. Cost, $——
LOS ANGELES, Cal. Ramona Acres.
Two-story brick store and lodge bldg., 76x100 (5 stores).
Owner—Ramona Acres Masonic Lodge.
Architect—Frank L. Stiff, 1251 4th Ave., Los Angeles.

Excavation Started.
CLUBHOUSE Cost, $15,000
FRESNO, Fresno Co., Calif. N and Mariposa Sts.
One-story frame clubhouse.
Owner—American Legion.
Architect—Glass and Butner, Cory Bldg., Fresno, Cal.
Contractor—Construction under supervision of Emmett Riggins, Fresno.

FRESNO, Fresno Co., Cal.—Property at the southwest corner of Stanislaus and L streets has been purchased as the site for the proposed Scottish Rite Masonic Temple. Site runs 150 feet frontage on L street. A structure costing $35,000 is planned by the organization under the name of "The Scottish Rites Cathedral Company." Selection of the site was made by W. B. Honand, C. H. Cobb, Frank Homan, Earle F. Hughes, Herbert Levy, W. F. Durte and T. R. Thompson.

FRESNO, Fresno Co., Cal.—Ways and means of financing construction of a $350,000 home for the Elks' Lodge of Fresno will be outlined by a committee headed by Roy Pulliam. Other members of the committee are: Alva E. Snow, R. F. Feichtin, W. D. Mitchell, J. E. Mitchell, H. C. McKay, John Miscovitch, Luther Neil, Newton Johnson, Peter Hygelund, E. J. Kump, W. A. Bean, Emery Wishon, Gerald Thomas, Axel Allen, C. W. Baskett, Henry Ross, Emil Gundelfinger, Lucius Powers, H. A. Savage, D. A. Cashin, C. A. Peters, Al Riley, Dr. A. B. Cowan and Dr. A. V. Acker.

A six-story fireproof structure, in Tulare street just west of the present quarters, is planned by the lodge.

OAKLAND, Cal.—An active building committee is gathering data for the $1,000,000 club and office building which Oakland Lodge, No. 171, Elks, will erect on its Fourteenth-street property between Broadway and Franklin. H. C. Capwell is chairman of the committee. Others are Joseph H. King, B. A. Forsterer, J. Cal Ewing, I. H. Clay, Max Horwinski, F. Willis Sharpe, Charles A. Beardsley and charles L. Ingler. The latter five are members of the Elks' Hall Association.

Oakland Lodge of Elks proposes to erect the finest Elks' clubrooms in the West. The membership of the lodge will buy bonds and thus hold a life interest in the property.

The architect has not been selected.

HOSPITALS

SANTA ROSA, Sonoma Co., Cal.—Construction of a modern county hospital is proposed for Sonoma County to replace the present wooden structure. The State Board of Charities and Corrections urges construction of a new structure.

HOTELS

Preliminary Plans Being Prepared.
HOTEL BLDG. Cost, $—
LOS ANGELES, Cal. E.-7th St., near San Pedro St.
Three-story brick store and hotel building, 60x110.
Owner—Mrs. N. Canepa.
Architect—Albert C. Martin, 430 Higgins, Los Angeles.

Completing Plans. Figures To Be Taken End of Next Week.
ALTERATIONS Cost, $——
SAN FRANCISCO. Columbus Ave.
Alter two-story brick store and hotel building (interior alterations).
Owner—Mr. Wieland.
Architect—Ernest Hildebrand, 68 Post St.

Plans Being Prepared.
HOTEL Cost, $1,800,000
BERKELEY, Alameda Co., Cal.
Ten-story class "A" hotel.
Owner—University Hotels Corporation.
Architect—G. A. Applegate, Claus Spreckels Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

Prominent San Francisco business men are officers in the corporation. A. B. Swinnerton of Lindgren & Co. is president. H. E. Manwaring, general manager of the Palace Hotel, San Francisco, is vice-president. Other officers include Luther Elkins of Robbins, Elkins & Van Fleet and Charles E. Virden, president of the Virden Packing Co.

Plans call for more than 1,000 rooms, each equipped especially for students, with study, living room and sleeping porch. Half of the hotel will be for women students and the other half for men. There will be swimming tanks, recreation rooms and parlors. The dining room will be conducted cafeteria style. Manager Manwaring of the Palace Hotel will be the manager.

Plans To Be Prepared.
HOTEL BLDG. Cost, $300,000
SANTA ROSA, Sonoma Co., Cal. Mendocino Ave.
Six-story class "A" hotel bldg.
Owner—R. C. Chapman, Sebastopol Ave., Santa Rosa.
Architect—Not selected.

Contracts Awarded.
HOTEL, ETC. Cost, $110,000
GILROY, Santa Clara Co., Cal.
Three-story reinforced concrete hotel and store building.
Owner—Geo. Milias, Gilroy, Cal.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Mill work to Pacific Mfg. Co., 177 Stevenson St., San Francisco, $7400
Electrical Work to Hollenbeck Elec. Works, San Francisco, $4250.
Heating and Ventilating Systems to Robert Dalziel, 218 First St., San Francisco, $7582.
Plumbing to J. E. O'Mara, 443 Minna St., San Francisco, $11,900.
Miscellaneous Iron and Steel Work to C. J. Hillard & Co., Inc., 19th and Minnesota Sts., San Francisco, $2699.
Sidewalk Lights and Sidewalk Doors to Dwan & Co., Monadnock Bldg., San Francisco, $730.

LOS ANGELES, Cal.—The John E. Bowman interests of New York will construct a $7,000,000 hotel building in this city at Olive and Fifth streets. Associated with the Bowman interests will be Percy Rockefeller; J. Ogden Armour and William Wrigley. Los Angeles financiers backing the project are: J. F. Sartorius, president of the Security Trust and Savings Bank; H. M. Robinson, president of the First National Bank and the Los Angeles Trust and Savings Bank; A. J. Waters, president of the Citizens National Bank; Marco Hellman, president of the Hellman Savings Bank and vice-president of the Merchants National Bank; George I. Cochrane, president of the Pacific Mutual Life Insurance Company; Harry Chandler, president of the Times Publishing Company and a director of the Los Angeles Shipbuilding Company; Arthur Letts, president of the Broadway Department Store, and Lee Phillips, vice-president of the Pacific Mutual Life Insurance Company.

Architects Schultze and Weaver Co. of New York have been selected to design the plans.

MARYSVILLE, Yuba Co., Cal.—R. R. Stephens, real estate broker of San Francisco, representing a client, is conferring with the Marysville Chamber of Commerce regarding the erection of a $500,000 hotel building at Fifth and E streets. Marysville businessmen will be asked to subscribe $130,000 of preferred stock, paying 5% interest.

POWER PLANTS

Segregated Figures Being Taken.
SUBSTATION Cost, $20,000
OAKLAND, Alameda Co., Cal. Lake Tamescal, Claremont District.
Steel frame and concrete substation.
Owner—Pacific Gas & Electric Co.
Architect—Eng. Dept. of Owner; I. C. Frickstadt, Architectural Assistant, 445 Sutter St., San Francisco.
Grading, road ways, drains, etc., awarded to Hutchinson Co., Hutchinson Bldg., Oakland.

Working Drawings Being Prepared.
POWER HOUSE Cost, $100,000
SHASTA COUNTY, Cal. Pitt No. 1 on Pitt River.
Steel frame and reinforced concrete power house.
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—Eng. Dept. of Owner; I. C. Frickstad, Architectural Assistant, 445 Sutter St., San Francisco.
Excavation has been started by the company's forces. Sub-figures will be taken as soon as plans are completed.

Sub-Figures Being Taken.
SUB-STATION Cost, $60,000
VACAVILLE, Solano Co., Cal. Vaca, 4 miles east of Vacaville.
Reinforced concrete sub-station.
Owner—Pacific Gas &Electric Co., 445 Sutter St., San Francisco.
Architect—Eng. Dept. of Owner; I. C. Frickstad, Architectural Assistant, 445 Sutter St., San Francisco.

Segregated Figures Being Taken.
SUBSTATION Cost, $37,000
NEWARK, Alameda Co., Cal.
Steel frame and reinforced concrete substation.
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—Eng. Dept. of Owner; I. C. Frickstad, Achitectural Assistant, 445 Sutter St., San Francisco.

McMINNVILLE, Ore.—This town will construct power plant costing $250,000. The McMinnville Water and Light Commission applied to State Engineer Percy A. Cupper for a permit to appropriate 25 second feet of water from the Nestucca River and Walker Creek. A dam will be built across the river channel 50 ft. high, 50 ft. long at bottom and 200 ft. long at top. The dam will be of earth fill and concrete, [illegible] with up-stream to be faced with stone or concrete, with a wasteway. The outlet will be a 48-in. pipe through a tunnel, with concrete forebay and spillway.

impulse wheels and electric generators will develop 5,795 h.p. under a 1,360-ft. head. The pipe line will be five miles long. The plant will be constructed in two units. Robt. W. Jones is City Engineer.

PUBLIC BUILDINGS

MERCED, Merced Co., Cal.—Knittle-Cashel Co., 244 5th St., San Francisco, at $2,413 has been awarded a contract by the Supervisors to install low pressure steam heating system in the county library. Other bidders: C. E. Kocher, Merced, $3,060; P. J. Enright, 2720 McAllister St., San Francisco, $3,415.

RED BLUFF, Tehama Co., Cal.—Allyn L. Burr, 2011 M St., Sacramento, at $400 has been awarded a contract by the trustees to place 2-ply asbestos built-up roof on the City Hall. E. F. Lennon, City Clerk.

SAN JOSE, Santa Clara Co., Cal.—Until November 14, 5 P. M., bids will be received by C. B. Goodwin, City Manager, for constructing memorial in Backesto Park. Certified check for 10% required with each bid. Plans may be had from the office of City Engineer Wm. Popp.

CATHLAMET, Wash.—S. C. Martin of Seattle at $36,513 has been awarded a contract to construct the county courthouse from plans prepared by Newton G. Gaunt of Astoria, Ore. Nine bids submitted, highest being $39,991.

OAKLAND, Cal.—Until Nov. 15, 2 p. m., bids will be received by Henry F. Vogt, secretary, Park Directors, 407 City Hall, for resurfacing approx. 14,-400 sq. ft. of tennis court and for constructing a wire fence. Spec. may be had from secretary.

MARTINEZ, Contra Costa Co., Cal.—Sweetser and Baldwin Safe Co., Marsh-Strong Bldg., Los Angeles, at $2,700 awarded contract by Supervisors to install burglar alarm system in office of County Treasurer.

BAKERSFIELD, Kern Co., Cal.—Until Dec. 5, 10:30 A. M., bids will be received by F. E. Smith, County Clerk, for constructing one-story branch library at Wasco. Chas. H. Bigger, 405 First Natl. Bank Bldg., Bakersfield, architect. **See call for bids under official proposal column in this issue.**

RESIDENCES

Contract Awarded.
RESIDENCE Cost, $10,240
PALO ALTO, Santa Clara Co., Cal. Seale Addition No. 2, Lots 23 and 24, Block 35.
Two-story frame residence.
Owner—Mrs. Mabel S. Laumeister.
Architect—A. B. Clark, Stanford University, Palo Alto, Cal.
Contractor—Geo. Jacobsen, Palo Alto, Cal.

Contract Awarded.
RESIDENCE Cost, $10,491
PALO ALTO, Santa Clara Co., Cal. S Churchill Ave., bet. Cowper and Webster Sts.
Two-story frame residence.
Owner—Mrs. S. M. Vandervoort, Palo Alto.
Architect—Chas. K. Sumner, 57 Post St., San Francisco.
Contractor—H. A. Spreen.

Contract Awarded.
RESIDENCE Cost, $7,000
SAN FRANCISCO. E. 20th Ave., 100 N Fulton.
One-story and basement frame and plastered residence (6 rooms).
Owner—C. H. Stengemann, 25 Stockton St.
Architect—O. R. Thayer, 110 Sutter St.
Contractor—M. C. Ingraham, 450 Duboce Ave.

Plans Being Prepared.
RESIDENCE Cost, $10,000
SAN FRANCISCO. Westwood Park.
Two-story, basement and sub-basement frame and plaster English type residence (8 rooms).
Owner—Not given.
Architect—Arthur G. Scholz, Phelan Bldg.
Work will be done by day's labor.

Plans Being Prepared.
RESIDENCE Cost, $12,000
ALAMEDA. Grand St., facing waterfront.
Two-story frame and plaster residence.
Owner— — Coogan
Architects—Meyer & Johnson, 742 Market St., San Francisco.

Contract Awarded.
ADDITION, ETC. Cost, $25,000
SAN FRANCISCO. 880 Camino Del Mar
Two-story and basement frame addition for residence (concrete foundation, tile roof, plaster exterior).
Owner—Mrs. A. A. Moore, Jr.
Architect—Bliss & Faville, Balboa Bldg.
Contractor—J. Harold Johnson, 180 Jessie St.

Plans Completed.
ALTERATIONS Cost, $3500
FARMINGTON. Near Farmington.
Remodeling residence.
Owner—Withheld.
Architect — Victor Galbraith, Elks' Bldg., Stockton.

Plans Completed.
RESIDENCE Cost, $22,000
LODI, San Joaquin Co., Cal. Near Lodi
Two-story brick residence with tile roof.
Owner—Adolph Eddleman.
Architect — Victor Galbraith, Elks' Bldg., Stockton.
Pipeless furnace, tile bath and tile shower room. Work to commence in the spring.

Plans Being Prepared.
BUNGALOW Cost, $7,000
LODI, San Joaquin Co., Cal.
One-story frame bungalow.
Owner—Withheld.
Architect — Victor Galbraith, Elks' Bldg., Stockton.

Plans Completed.
RESIDENCE Cost, $16,000
STOCKTON, San Joaquin Co., Cal.
Two-story tile and stucco residence.
Owner—Name withheld.
Architect—Losekann & Clowdsly, Elks' Bldg., Stockton.
Construction to be started in the Spring.

Plans Being Prepared.
DORMITORIES, ETC. Cost, $——
STOCKTON, San Joaquin Co., Cal. Two Miles Southeast of Stockton.
Frame dormitories and mess quarters for farm help.
Owner—Withheld.
Architect — Victor Galbraith, Elks' Bldg., Stockton.

Plans Being Prepared.
RESIDENCE Cost, $10,000
SANTA CRUZ, Santa Cruz Co., Cal.
Two-story frame and plaster residence (7 rooms and sun room).
Owner—Withheld.
Architects — Collins & Byrne, New Theatre Bldg., Santa Cruz.

Low Bidders—Plans to Be Revised.
RESIDENCE, ETC. Cost, $——
SAN FRANCISCO. N. Jackson 137-6 W. Spruce.
Two-story and basement frame and stucco residence and garage (14 rooms and 4 bathrooms).
Owner—Misses Butler.
Architect—Lewis P. Hobart, Crocker Bldg.
Chas. Stockholm & Son, Monadnock Bldg., submitted the lowest bid.

To Be Done By Day's Work.
RESIDENCE Cost, $8000
SAN FRANCISCO. NE Balboa and 47th Ave.
Two-story and basement frame residence.
Owner—Marcus Marcussen, American Natl. Bank Bldg.
Architect—Plans by owner.

Plans Completed.
RESIDENCE Cost, $12,000
SAN FRANCISCO. W SAN BRUNO 202 S Mariposa.
Three-story and basement frame residence (3rd floor to be left unfinished).
Owner—Martin Judnick, 594 San Bruno Ave.
Architect—None.

SCHOOLS

Plans Being Figured.
Bids Close Nov. 23, 1921, 9 a. m.
SCHOOL Cost, $75,000
LOS ANGELES, Cal. Alpine St. School site.
Two-story reinforced concrete school, 100x60; wing, 73x47 (10 classrms.).
Owner—Los Angeles Board of Education.
Architect—Parker O. Wright, Central Bldg., Los Angeles.
Separate bids will be taken for a general contract, plumbing, heating, painting and electrical work.
Plans may be obtained from the secretary's office, 730 Security Bldg., Los Angeles.

Plans Being Figured.
Bids Close Nov. 16, 1921, 9 a. m.
SCHOOL Cost, $84,000
LOS ANGELES, Cal. Cornwell Street School site.
Two-story brick school, 186x62 (10 classrooms).
Owner—Los Angeles Board of Education.
Architect—C. H. Russell, Humboldt Bank Bldg., Los Angeles.
Separate bids will be taken for a general contract, plumbing, heating, painting and electrical work.
Plans may be obtained from the secretary's office, 730 Security Bldg., Los Angeles.

Contract Awarded.
SCHOOL BLDG. Cost, $22,600
LEMOORE, Kings Co., Cal.
One-story 4-room brick school building.
Owner—Lemoore Grammar School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno, Cal.
Contractor—D. F. Cahill, Lemoore, Cal.

MANTON, Tehama Co., Cal.—J. G. Fritz, Red Bluff, at $2,895, awarded contract by Manton Joint Union School District to construct addition to present school.

Plans Being Prepared.
HIGH SCHOOL BLDG. Cost, $——
CARSON CITY, Nevada.
Two-story high school building.
Owner—Carson City School District No. 1.
Architect—Geo. A. Ferris & Son, P. O. Box 363, Reno, Nev.

Plans Being Prepared.
SCHOOL BLDG. Cost, $75,000
LONG BEACH, Los Angeles Co., Cal. Roosevelt School site.
Eight-room unit to school (masonry).
Owner—Long Beach School District.
Architect—John C. Austin, 1121 Baker-Detwiler Bldg., Los Angeles; W. Horace Austin, First National Bank Bldg., Long Beach, associate.

Commissioned To Prepare Plans.
SCHOOL BLDG. Cost, $100,000
LONG BEACH, Los Angeles Co., Cal. Atlantic Ave. School site.
Eight-room and auditorium elementary school (masonry).
Owner—Long Beach School District.
Architect—Allison & Allison, 1400 Hibernian Bldg., Los Angeles.

Plans Being Figured.
Bids Close Nov. 29, 1921, 4 p. m.
WALKS, ETC. Cost, $4,000
BERKELEY, Alameda Co., Cal. Berkeley High School site.
Concrete walks and steps around Academic Bldg.
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, First National Bank Bldg., San Francisco.
Plans may be obtained from Mr. Hay's office.

Figures To Be Taken Shortly.
BUILDINGS Cost, $425,000
POMONA, Los Angeles Co., Cal.
One and two-story reinforced concrete brick and terra cotta school bldgs.
Owner—Pomona High School District.
Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles, and W. H. Weeks, 369 Pine St., S. F.

Commissioned to Prepare Plans.
SCHOOL Cost, $76,000
LOS ANGELES, Cal. Logan Street School Site.
School.
Owner—Los Angeles Board of Education.
Architect — Harlow M. Kimball, 1222 Highland Ave., Los Angeles.

Preliminary Plans Prepared.
SCHOOL BLDG. Cost, $130,000
STOCKTON, San Joaquin Co.
Brick and concrete 14-room school building.
Owner—City of Stockton.
Architect—Losekann & Clowdsly, Elks' Bldg., Stockton.
Construction to start in the Spring.

Contracts Awarded.
SCHOOL Cost, $50,000
SOQUEL, Santa Cruz Co., Cal.
One-story reinforced concrete school building with tile roof.
Owner—Soquel Union Grammar School District.
Architect—Wm. H. Weeks, 369 Pine St., San Francisco.
General Contract awarded to E. Porter Smith of Santa Cruz, $44,735.
Heating System to Robert Dalziel Jr., 218 First St. San Francisco.

Plans Beeing Figured—Bids Close Nov. 30, 1921, 9 A. M.
SCHOOL BLDG. Cost, $100,000
LOS ANGELES, CAL. Vine Street school.
Two-story and basement hollow tile school bldg. (14 rooms).
Owner—Los Angeles Board of Education.
Architect—Witmer & Watson, Wright & Callender Bldg., Los Angeles.
Bids will be taken separately on the general work, plumbing, heating, painting and electric wiring.

LOS ANGELES, Cal.—The Board of Education has appointed architects for additional buildings at junior high schools as follows: Wm. Curlett & Son, Mer. Nat. Bank Bldg., Los Angeles, for new classroom bldg. at Sentous junior high school to cost $88,000; and John P. Krempel and Walter E. Erkes, Bradbury Bldg, Los Angeles, for new classroom bldg. at Berendo junior high school to cost $81,000.

HAMILTON CITY, Glenn Co., Cal.—Until Nov. 14, 7:30 p. m., bids will be received by Hamilton Union High School District for erecting gymnasium building. W. H. Weeks, 369 Pine St., San Francisco, architect. **See call for bids under official proposal column in this issue.**

FOLSOM, Sacramento Co., Cal.—Steps are being taken for the formation of a union high school district. Should the district be organized, a bond election will be held to secure funds with which to finance construction of a new high school. Committees have been appointed to further the project.

VISALIA, Tulare Co., Cal.—G. S. Yant of Exeter, at $10,611, awarded contract to erect Locust Grove school near Exeter, from plans of Architect Harry W. Michael, Harrell Bldg., Visalia. Other bidders were: D. H. Williams, Lindsay, $11,351; Noble and Toothacre, Visalia, $10,997; Anderson and Stewart, Visalia, $12,100; D. B. Day, Woodlake, $11,700.

OLYMPIA, Wash.,—Bids will be asked about Nov. 10 for constructing grade school; 2-story, mill construction, 8-room bldg.; estimated cost, $150,000. Wohleb, Stanley and Walker, Denny Bldg., Seattle, architects.

CHICO, Butte Co., Cal.—As no provision was made in the plans for the shop building for the Chico High School, trustees of the district are contemplating the erection of such a structure for manual training department. Recommendations for the immediate construction of the building is made by Jas. Ferguson, Principal of the School. Plans for the high school were prepared by Architects Woollett & Lamb, Hagelstein Bldg., Sacramento.

SANTA CLARA, Santa Clara Co., Cal.—Committees have been appointed to cover the city for gathering funds with which to finance construction of a new parish school. A. W. Nuttman is in charge of the drive for funds.

PARLIER, Fresno Co., Cal.—The following bids were received and contracts awarded on November 5th by the Board of Trustees of the Parlier High School District. Plans were prepared by Architect Anton Johnson of Kingsburg:

Contract No. 1. (General)
Collman-Speidel, San Francisco.$79,369
Frederickson & Shannon, Fresno 78,221
Barkelew & Gould, Tulare..... 66,663
Larsen-Siegrist Co., S. F..... 80,100
Trewhitt-Shields Co., Fresno.... 71,858
Contract awarded to Barkelew & Gould of Tulare.

Contract No. 2. (Masonry)
White & Gloor, S. F. .....(A) $52,100
Trewhitt-Shields Co. 39,836
(B) $600, (C) $1200.
Hock & Hoffmeyer 47,950
(B) $1000, (C) $1000.
Farrell & Reed, S. F..... 58,000
(B) $1500, (C) $900.
Paul Kindler 37,000
(B) $500, (C) $1400.
J. M. Brown 40,500
(B) $2000, (C) $1000.
Stahl & Burness 37,969
(B) $500, (C) $1500.
D. A. Moore 38,500
(B) $3600, (C) $1750.
H. N. Larsen 48,717
(B) $1350, (C) $2250.
Contract awarded to Paul Kindler, 145 Van Ness, Fresno.

Contract No. 3. (Sheet Metal)
Trewhitt-Shields Co. .....(A) $ 1,690
(B) $125.
Ruth-Ringleman Hdwe. Co...(A) 1,315
(B) $55.
L. F. Tegelberg .....(A) 1,195
(B) $50.
Barrett-Hicks Co., Fresno...(A) 1,408
(B) $152.
Visalia Plumbing Co., Visalia(A) 2,000
(B) $125.
Contract awarded to L. F. Tegelberg.

Contract No. 4. (Tile Roof)
Fibrestone and Roofing Co., S. F.
(A) $3,893. (B) $ 100
C. L. Passmore .....(A) 5,100
(B) $375.
Contract awarded to Fibrestone and Roofing Co. of San Francisco.

Contract No. 5. (Comp. Roof)
C. E. McMullin $732
Fibrestone and Roofing Co.....$900
Valley Lumber Co. 703
G. A. Farris 765
Contract awarded to Valley Lumber Co. of Fresno.

Contract No. 6. (Plastering)
Trewhitt-Shields Co. $9,500
E. O. Ward 7,261
Chas. Thollander 8,475
A. Knowles, S. F. 8,000
E. J. Regan 8,188
Contract awarded to E. O. Ward.

Contract No. 7. (Blackboards)
C. F. Weber, S. F.....$ 910
Rucker-Fuller Desk Co., S. F..... 875
Contract awarded to Rucker-Fuller Desk Co., 677 Mission St., S. F.

Contract No. 8. (Painting)
R. Zelinsky, S. F.....(A) $4,982
(B) $1,982.
Alhambra Wall Paper and Paint Co. .....(A) 4,276
(B) $1,400.
C. M. Johnson .....(A) 3,790
(B) $1,070.
Contract awarded to C. M. Johnson.

Contract No. 9. (Plumbing)
Trewhitt-Shields Co. $9,026
B. A. Newman Co., Fresno..... 6,605
E. L. Magnuson 6,500
Barrett-Hicks Co. 7,337
Carl T. Doell, Oakland..... 7,304
Visalia Plumbing Co..... 7,300
Mechanical Engineering and Supply Co., Sacramento 5,242
Contract awarded to Mechanical Engineering and Supply Co. of Sacramento.

Contract No. 10. (Electrical)
Davison Electric Co. $5,560
Electric Construction Co..... 6,117
Reedley Electric Co., Reedley.... 5,125
M. E. Ryan, S. F..... 6,250
R. E. Rounsaville 5,033
Valley Elec. Supply Co., Fresno.. 6,515
Curry Electric Co. 6,060
Robinson Electric Co..... 6,000
Contract awarded to R. E. Rounsaville.

Contract No. 11. (Program Clock)
Davison Electric Co.....$1,500
Pacific Electric Clock Co..... 845
International Time Recording Co. 974
Contract awarded to Pacific Electric Clock Co., 85 Second St., San Francisco.

Contract No. 12. (Heating)
B. A. Newman Co. .....(A) $8,775
(B) $2,100.
Griffin Sheet Metal Works..(A) 8,783
(B) $2,190.
Carl T. Doell .....(A) 9,267
(B) $1,840.
Scott Co. .....(A) 9,294
(B) $2,123
Jas. A. Nelson .....(A) 8,329
(B) $2,015.
Visalia Plumbing Co. .....(A) $9,733
(B) $1,830.
Barrett-Hicks Co .....(A) 10,350
(B) $2,375.
Contract awarded to Jas. A. Nelson, 517 Sixth St., San Francisco.

LOS ANGELES, Cal.—W. Hazel-Brent Co., Baker-Detwiler Bldg., Los Angeles, was awarded contract at $52,780 for the new Latona Ave. school, contract being

based on original bid of $52,500 with an addition of $280 for boiler room. Other contracts awarded were: Plumbing to G. C. Sutton, $4540; steam heating to J. Hokom at $4011, painting to D. Zelinsky & Son at $1750, and wiring to F. E. Newbery Co. at $1848. Two stories; 5 classrooms, assembly room and lavatories; brick walls, plaster exterior, clay tile roof.

ORANGE CO., Cal.—John Simpson & Co., 701 Antonio St., were awarded a contract at $19,920 for erecting new school in Fairview school district, Orange County; Jeffery & Schaefer, 1106 Kerckhoff Bldg., architects. Two class rooms, teachers' room and library; brick construction, plaster exterior, clay tile roof, hollow tile partitions, cement corridors. The other bids were: Williams & Walker, $20,975; Myers Land Co., $22,555; Edward Ward, $22,989; H. M. Boward & Son, $23,041; Raymond Hopper, $23,190; Verity & Zimmerman, $24,236; Willard-Brent Co., $24,280, and Darrell Condley Co., $24,750.

LEMOORE, Kings Co., Cal.—Until November 22, 6 P. M., bids will be received by P. A. Curry, Clerk, Sunset School District, for drilling well on school grounds. Specifications may be had from clerk, Star Route, Lemoor, Calif.

SACRAMENTO, Cal.—Until November 23, 8 P. M., bids will be received by R. L. Ennis, Clerk, Fruit Ridge School District, for furnishing and delivering 300 folding auditorium chairs, single or in sections. **See call for bids under official proposal column in this issue.**

SAN FRANCISCO.—Until Nov. 30, 3 p. m., bids will be received by Board of Public Works for constructing addition to McKinley school in west side of Castro St. bet. 14th and Henery Sts. Segregated bids will be taken for: General contract, estimated cost $50,000, bond set at $12,500; plumbing and heating, estimated cost $9000, bond $2250; electric work, estimated cost $2000, bond fixed at $500. Work to be started 5 days after award of contract and completed in 330 days. Plans may be had from Bureau of Architecture, 2nd floor, City Hall.

SAN FRANCISCO.—Board of Public Works on recommendation of City Architect John Reid Jr. approves subcontracts awarded to G. P. W. Jensen, general contractor, for the Crocker Amazon school, now under construction in east side of Cordova Ave. bet. Prague and Winding Way: Miscellaneous iron work to C. J. Hillard; Wilson Folding Partitions to Waterhouse-Wilcox Co.; Fence to Standard Fence Co.; Sheet Metal Work to Fire Protection Products Co.; Plastering to Thos. Carroll; Blackboards to C. W. Weber Co., and Waterproofing Membrane to H. W. Johns-Manville Co.

WILLOWS, Glenn Co., Cal.—Until Nov. 25, 8 P. M., bids will be received by H. G. Rawlins, Clerk, Willows Union School District, for fur. and install. slate blackboards, window shades and corp linoleum in school building. W. H. Weeks, 369 Pine St., San Francisco, architect. **See call for bids under official proposal column in this issue.**

LOS ANGELES, Cal.—Willard-Brent Co., Baker-Detwiler Bldg., was low bidder at $29,990 on general contr. for erecting an addition and remodeling at Gates St. school. Other low bidders were: Marshall-Lock Co. on plumbing at $6104; Arenz-Warren Co. on painting at $2490; and Marshall-Lock Co. on heating at $4488. Referred to business manager. The present building will be raised and new 1st story and basement constructed underneath. Six new rms., lavatories in basement; brick or concr. basement walls, frame constr. above; 82x75 ft. The bids were:

General Contract—Willard-Brent Co., $29,990; McFadden & Winkelman, $30,000; Macdonald & Driver, $31,300; J. D. Kneen Constr. Co., $34,000; John Simpson Co., $34,400; Walter Slater Co., $34,760.

Plumbing—Marshall-Lock Co., $6,104; E. W. Crowell, $6433; Arthur Hess, $6552; H. E. Murray, 6688; J. Hokom, $6723; Thos. Haverty Co., $8151.

Heating—Marshall-Lock Co., $4488; Arthur Hess, $4567; J. Hokom, $4793; and Thos. Haverty Co., $5225.

Painting—Arenz-Warren Co., $2490; D. Zelinsky & Son, $2764; Alhambra Wall Paper & Paint Co., $3498; W. K. Elliott, $3500; R. Zelinsky, $3880; A. Quandt & Son, $3985.

LOS ANGELES.—Alex Grant, 1202 W. 36th Pl., Los Angeles was low bidder at $69,773 on general contr. for new 10th St. school bldg; Homer W. Glidden, archt. Other low bidders were: G. C. Sutton on plumbing at $6740; Ame. Elec. Constr. Co. on wiring at $2726.35; J. Hokom on heating at $6274; and R. Zelinsky on painting at $3686. Bids referred to business manager; 2-sto. and basement, 152x91 ft., 12 classrms., brick constr., plas. exter., clay tile rf. The bids were:

General Contract—Alex Grant, $69,773; J. D. Kneen Constr. Co., $75,000; John Simpson & Co., $77,000; K. R. Bradley Constr. Co., $77,968; Geo. F. Barber, 78,700; R. H. Whinery, $81,463; L. A. Planing Mill Co., $81,129; Willard-Brent Co., $83,390; Walter Slater Co., $84,000; J. A. Hill Constr. Co., $84,470.

Plumbing—G. C. Sutton, $6740; E. W. Crowell, $6819; Thos. Haverty Co., $8523.

Heating—J. Hokom, $6274; Thos. Haverty Co., $6524; Geo. J. Furtsch, $8000.

Electric Work—American Electric Constr. Co., $2726.35; Prewitt Elec. Co., $2774; F. E. Newbery Co., $2882.

Painting—R. Zelinsky, $3686; Alhambra Wall Paper & Paint Co., $3699; Arenz-Warren Co., $3700; E. A. Lindgreen, $3789; D. Zelinsky & Son, $4100; A. Quandt & Son, $4158; W. K. Elliott, $4421.

SACRAMENTO, Cal.—The following bids were received by the Sacramento Board of Education on November 7, 1921, for the construction of a two-story concrete and brick school with tile roof to be known as the "Brefe Hart School." Plans were prepared by the Architectural and Engineering Commission, Hemmings-Petersen-Hudnutt, Library Bldg., Sacramento. The contract was awarded to the lowest bidder, K. E. Parker Company, Clunie Bldg., San Francisco.

K. E. Parker Co., S. F.	$184,600
McGillivray Constr Co., Sacto.	187,200
Hayes-Oser Co., S. F.	189,950
Robert Trost, S. F.	190,217
Wm. Murcell, Sacramento	191,126
Betz & Mabrey, Sacramento	191,923
R. McLeran Co., S. F.	192,880
E. E. Ellerton, S. F.	207,287

STORES AND OFFICES

Plans Being Prepared.
STORE BLDG. Cost, $15,000
SAN JOSE, Santa Clara Co., Cal. South First St.
One-story reinforced concrete store building.
Owner—Name withheld.
Architect—Binder & Curtis, Binder Bldg
Plans will be ready for figures in about two weeks.

Figures To Be Taken In a Few Days.
BUILDING Cost, $10,000
SAN FRANCISCO. S. Ellis, E. Jones.
One-story and basement brick store building (2 stores).
Owner—G. Lachman.
Architect—S. Heiman, 57 Post St., San Francisco.

Commissioned To Prepare Plans.
ADDITION, ALTER. Cost, $175,000
SACRAMENTO, Cal. S.W. 6th and K Sts. (Masonic Temple Bldg.)
One-story addition to three-story present structure and extensive alterations for bank and office building.
Owner—Bank of Italy.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

Plans Being Figured—Bids Close November 25, 1921, 7 p. m.
STORE AND OFFICE BLDG. Cost, $100,000.
VALLEJO, Solano Co., Cal. Georgia St. bet. Sacramento and Main Sts.
Six-story Class "B" steel frame store and office building.
Owner—Fred Fisch and A. J. Higgins.
Architect—Chas. E. Perry Jr., 514 Main St., Vallejo.
Figures are being taken for a general contract and plans may be obtained from the architect on a deposit of $25.

Plans Being Figured.
OFFICES Cost, $150,000
SACRAMENTO, Cal. L St. between 10th and 11th Streets.
Two-story brick store and office building, 80x160.
Owner—Archibald Mull.
Architects—Woollett & Lamb, Hagelstein Bldg., Sacramento.

Sub-Contracts Awarded.
OFFICE & STORE BLDG. Cost, $50,000
SAN FRANCISCO. S. Sutter 144 W. Powell St.
Four-story and basement reinforced concrete office and store bldg.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—David Coleman, 110 Sutter St., San Francisco.
Plumbing awarded to C. Petersen Co., 730 Larkin St.
Lumber to Loop Lumber Co.
Fire escapes to Golden Gate Iron Wks.

Plans Being Figured.
ALTERATIONS, ETC. Cost, $10,000
SACRAMENTO, Cal. 1007 "K" St.
Alterations to store: Ventilating system, marble work, patent store front, etc.
Lessee—Sutter Candy Co.
Owner—J. T. Mayden.
Architect—Woollett & Lamb, Hagelstein Bldg., Sacramento.

Contract Awarded.
MARKET BLDG. Cost, $12,500
SAN FRANCISCO. S. Clement St. 100 W. 10th Ave.
One-story and mezzanine frame and brick veneer market building.
Owner—H. F. Ramocciotti.
Supervising Architect — August G. Hedman, Call Bldg.
Contractors—Fontanella & Teza, 1682 Eddy St.

Contract Awarded.
OFFICE BLDG. Cost, $23,233
STOCKTON, San Joaquin Co., Cal. SE Commodore Levee and El Dorado Streets.
Two-story hollow tile office building.
Owner—City of Stockton, A. L. Banks, Clerk.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
Contractor—Frank Tucker, 321 N-Sierra Nevada St., Stockton.
Other bidders: Davidson & Nicolsen, $25,970; Shepherd & Riley, $24,327.

(Continued on Page 14)

Official Proposals

NOTICE TO CONTRACTORS

(Wireless Towers)

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Trustees of the Taft Union High School District, County of Kern, State of California, **up until 7:30 o'clock P. M., on the 22nd day of November, 1921,** at which hour they will be opened at the office of said Board of Trustees, located in the High School Building, located at Taft, California, for the furnishing of all labor, equipment and material necessary to erect wireless towers in accordance with the plans and specifications prepared by Orville L. Clark, Architect, offices in the Brower Building, Bakersfield, Calif.

Bids will also be received for the furnishing of all labor and material necessary to install a 50-watt wireless equipment in accordance with the plans and specifications prepared by the above Architect.

General proposals for the work above mentioned are to be submitted in accordance with the plans and specifications now on file at the office of the said Board of Trustees in the City of Taft or may be had upon application at the office of the Architect.

Each bid shall be made out on the form attached to the specifications and must be accompanied by a certified or cashier's check in the amount of ten per cent (10%) of proposal made payable to the order of the Board of Trustees of the Taft Union High School District. The sealed bids shall be filed with the said Board of Trustees or its representative, the Principal of the Taft Union High School, before the above mentioned time.

The above mentioned check shall be given as evidence that the bidder will enter into the contract if awarded the work and will be declared forfeited if the successful bidder refuses or neglects to enter into said contract, after being requested by the Board of Trustees to do so.

The successful bidder will be required to furnish a bond of a surety company satisfactory to the Board of Trustees in the amount of fifty per cent (50%) of the contract price and one equal to twenty-five per cent (25%) of the contract price.

The Board reserves the right to reject any or all bids.

By order of the Board of Trustees of the Taft Union High School District.

Dated this 9th day of November, 1921.

H. W. B. PINKERTON, President.
E. W. MESSLER, Clerk.

BIDS WANTED FOR LIBRARY

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Clerk of the Board of Supervisors of the County of Kern **up to 10:30 A. M., Monday the fifth day of December, 1921,** for the furnishing of all materials and labor for, and the erection and completion of a one-story Branch Library Building at Wasco, California, and a one-story Branch Library Building at Maricopa, California, in accordance with plans and specifications on file with the said clerk and open for inspection of bidders. Bids will be received separately or on the whole. Plans and specifications may be had at the office of Charles H. Biggar, architect, 405 First National Bank Building, Bakersfield, California, and the work will be done under his supervision.

Certified check, in the amount of ten per cent of the amount bid, must accompany each bid. Such check to be made payable to the clerk of the Board of Supervisors, County of Kern, Calif., and will be held as evidence of good faith that the successful bidder will enter into contract for the erection of the building and will furnish good and sufficient bond therefore.

The Board of Supervisors reserves the right to reject any and all bids and to waive any informality in any bid received.

By order of the Board of Supervisors of the County of Kern, made November 7, 1921.

F. E. SMITH,
County Clerk and Ex-officio Clerk of the Board of Supervisors.

BIDS WANTED FOR AUDITORIUM CHAIRS

NOTICE TO BIDDERS

NOTICE is hereby given that sealed bids will be received by the Board of School Trustees of the Fruit Ridge School District, at the School House situated at the intersection of Sutter Avenue and Roosevelt Avenue, Sacramento County, Cal., on **Wednesday, November 23rd, at the hour of 8 p. m.,** for 300 folding auditorium chairs, either single or in sections.

Each bid must be accompanied by a certified check of not less than 10 per cent of said bid.

The Board reserves the right to reject any and all bids.

By order Fruit Ridge Board of School Trustees of Sacramento County, Cal.

R. L. ENNIS,
Clerk.

BIDS WANTED FOR STREET WORK

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Clerk of the Board of Trustees of the City of Calexico, California, **up to 8 o'clock P. M. of Tuesday, the sixth day of December, 1921,** for the construction of concrete sidewalks, concrete curbs, concrete cross walks and street grading. Reference is hereby made to Resolution of Intention No. 234 of the said Board of Trustees declaring its intention to order the said work to be done, for further particulars, which Resolution is on file in the office of the City Clerk of the City of Calexico, California.

Reference is further made to "Notice Inviting Sealed Proposals," printed in the Calexico Chronicle and posted at the City Hall of the City of Calexico in the manner and at the time as is provided by law.

The street work herein referred to is to be done under the provisions of an Act of the Legislature of the State of California, known as the "Improvement Act of 1911," approved April 7th, 1911, and all Acts supplementary thereto or amendatory thereof.

Serial bonds shall be issued to represent each assessment of $25.00 or more remaining unpaid for 30 days after the date of the warrant or 5 days after the decision of the Board of Trustees upon an appeal to represent the expenses of said work and improvement; said serial bonds shall extend over a period ending five years from and after the 2nd day of January next succeeding the date of said bonds, and an even annual proportion of the principal sum thereof shall be payable in coupons on the 2nd day of January every year after their date until the whole is paid, and the interest shall be paid semi-annually by coupon on the 2nd day of January and July respectively of each year at the rate of 7 per cent per annum on all sums unpaid, and the whole of the said principal and interest on said bonds shall be issued in conformity with provisions of the Act of the Legislature of the State of California known as the "Improvement Act of 1911."

Each bid must be in the form provided in the specifications for the said work, and must be accompanied by a check payable to the City of Calexico, certified by a responsible bank, for an amount which shall not be less than 10 per cent of the aggregate of the proposal, or by a bond for the said amount and so payable, signed by the bidder and two sureties who shall justify before an officer competent to administer an oath, in double the said amount and over and above all statutory exemptions. The successful bidder will be required to enter into a contract for said work and to execute a bond as provided by the Act hereinbefore referred to. The Board of Trustees may reject any and all proposals or bids.

The plans and specifications are on file with the City Clerk of the said City of Calexico, and with the City Engineer at the offices of Allison & Entenmann, Consulting Engineers, Calexico, California.

The approximate items of work covered herein are as follows:

Concrete sidewalk, 474,270 square feet.

Concrete cross walks, 32,652 square feet.

Concrete curbs, 98,833 lineal feet.

Grading, 30,600 cubic yards.

PAUL B. STEINTORF,
Clerk of the Board of Trustees of the City of Calexico.

BIDS WANTED FOR BLACKBOARDS SHADES AND LINOLEUM

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Trustees of Willows Union School District of Glenn County, Calif., **until 8 o'clock P. M., Friday, November 25th, 1921,** for furnishing and installing Slate Blackboards, Window Shades and Cork Linoleum, all in accordance with the plans and specifications as prepared by W. H. Weeks, Architect, for the schoolhouse now in course of construction for the said Willows Union School District.

Plans and specifications may be seen at the office of the County Superintendent of Schools in Willows, California, or at the office of W. H. Weeks, Architect, 369 Pine Street, San Francisco.

All bids should be presented on blank forms furnished by the Board of Trustees which may be procured from the County Superintendent of Schools, or from W. H. Weeks, the architect.

Each bid must be accompanied by a certified check on some responsible California bank in a sum not less than five (5) per cent of the amount of the bid, made payable to A. D. Pieper, President of the Board of Trustees of Willows Union School District, as a guaranty of good faith that the party to whom the contract may be awarded will, within ten days, enter into the necessary agreement and bonds for the faithful performance of said work, and in case the successful bidder to whom contract is awarded fails or refuses to enter into said agreement and bonds, said check will be forfeited to the said School District in the manner provided by law.

Each bid must be enclosed in a sealed envelope and addressed to A. D. Pieper, President of the Board of Trustees of Willows Union School District, Willows, California, and endorsed "Bid for Blackboards, Cork Linoleum and Window Shades."

The Board of Trustees reserves the right to reject any or all bids.

By order of Board of Trustees, of Willows Union School District, Glenn County, California.

H. G. RAWLINS, Clerk.

Dated at Willows, California, November 7th, 1921.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENTS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on December 5,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Shasta County, across Anderson Creek near Anderson, and Canyon Creek and Oregon Gulch near Redding (II-Sha-3-A), three reinforced concrete girder bridges as follows: Across Anderson Creek, a bridge consisting of four spans of thirty feet each; across Canyon Creek, a bridge consisting of three spans of twenty-eight feet each; across Oregon Gulch, a bridge consisting of two spans of forty feet each.

Santa Clara County, between Morgan Hill and Gilroy (IV-SCL-2-C), about seven and nine-tenths (7.9) miles in length, to be surfaced with asphalt concrete.

Fresno County, between Selma and Kingsburg (VI-Fre-4-A), about three and seven-tenths (3.7) miles in length, to be paved with Portland cement concrete shoulders and an asphalt concrete wearing surface.

Los Angeles County, in two sections, the first near Castaic School (VII-LA-4-B), about four-tenths (0.4) miles in length, and the second between the south line of Section 21, T. 6 N., R. 17 W., S. B. B. & M., and 11 miles south of Liebre Mountain (VII-LA-4-B&C), about six and six-tenths (6.6) miles in length, a total distance of about seven (7.0) miles, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's Offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated November 7, 1921.
Eng 24

STORES AND OFFICES

(Continued from Page 12)

Segregated Figures Being Taken.
LOFTS & STORES Cost, $25,000
SAN FRANCISCO. S. Mission 75 E. 6th.
Two-story and basement reinforced concrete lofts and stores.
Owner—J. S. Morgan & Son.
Architect—W. H. Crim, Jr., 425 Kearny Street.

Plans Being Prepared.
REMODELING, ETC. Cost, $7500
SAN FRANCISCO. NE Jessie and 6th Streets.
Remodel 3-story and basement brick store and loft building (plaster, new window frames, etc.).
Owner—Name withheld.
Architect—A. H. Knoll, Hearst Bldg.

Contract Awarded.
STORE BLDG. Cost, $6600
SAN FRANCISCO. S. Pine E. Jones.
One-story frame and stucco store building (6 stores).
Owner—Rocca Bros.
Architect — O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor — J. Martinelli, 180 Jessie St., San Francisco.

Bids Opened.
STORE & WAREHOUSE Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal. No. 262 Pacific Avenue.
Two-story reinforced concrete store and warehouse.
Owner—Gaba & Magidson, Santa Cruz.
Architects—Collins & Byrne, Theatre Bldg., Santa Cruz.
Proposition No. 1, Store building complete; No. 2, store and warehouse complete; No. 3, carpentry, mill work and lumber for store and warehouse buildings.
E Porter Smith, Santa Cruz (1) $13,174; (2) $14,373; (3) $5,200.
George Reed, Santa Cruz (1) $14,797; (2) $16,110; (3) $8995.
Doane & Powers, Santa Cruz (1) $14,820; (2) $16,100; (3) $6650.
Dan R. Wagner, San Francisco (1) $15,150; (2) $16,250; (3) $——.
E. Nommenson, San Jose (1) $——; (2) $17,400; (3) $——.
The bids of Cahill & Vensano and W. A. White were not submitted in order and therefore were not considered. All bids were taken under advisement.

SEATTLE, Wash.—Architect Henry Bittman, Securities Bldg., preparing plans for three-story concr. and steel business block to be erected for Wm. Grimshaw of Seattle in the vicinity of Second Ave. and Pike St.; estimated cost, $100,000.

MONTEREY, Monterey Co., Cal.—Frank Duarte will erect modern two-story store and office building at the corner of Main and Scott Sts. Structure formerly occupying the site have been moved and early construction is planned.

THEATRES

Contract Awarded.
THEATER Cost, $——
LOS ANGELES, Cal. 2518 W. Washington St.
Brick store and picture theater, 70x 140.
Owner—Lilly-Fletcher Co.
Bldg., Los Angeles.
Contractor—Lilly-Fletcher Co., 3d St. and Western Ave., Los Angeles.

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Engineering News Section

BRIDGES, DAMS & HARBOR WORK

RIVERSIDE, Riverside Co., Cal.—The county will be required to build two bridges on the Banning-Indio State highway, one over Whitewater River to cost $100,000, and one over a wash near Palm Springs station, to cost $25,000. Construction of a permanent bridge over the Santa Ana River at west city limits of Riverside will be started next spring by the county. Cost, $100,000. Soundings for concr. abutments now being made.

CALIFORNIA—State Highway Commission is making borings for a bridge site over the Klamath River, near Requa, on the north coast line of the State highway. When borings are completed the commission will proceed with the preparation of plans for the structure.

SACRAMENTO, Cal.—Security Construction Co., Billings, Mont., at $105,826, awarded contract by State Highway Commission to construct two bridges across Huasna and Alamo Creeks, in San Luis Obispo County.

Jenkins & Elton, Thirty-sixth and "Y" Sts., Sacramento, at $7,996, awarded contract to construct pile and wire dikes and plant willow cuttings for protection of Stony Creek bridge, in Glenn County, near Orland.

ALHAMBRA, Los Angeles Co., Cal.—Engineer E. L. Mayberry, 472 Pac. Elec. Bldg., is preparing plans for 600,000-gal. circular reservoir for Midwick Country Club. Reinf. concr. constr., 85 ft. diam., 14 ft. deep; wood and comp. roof.

RED BLUFF, Tehama Co., Cal.—C. B. Clendenning, Los Molinas, at $1,807.50, awarded contract by Supervisors for constructing fills for bridges 1 and 2 bet. Tehama and Los Molinas. Unit bid, 1313 cu. yds. earth fill, $.50; 383 cu. yds. gravel hauled, $1.00; 256 cu. yds. large rock for riprap, $3 cu. yd. R. B. McKenzie of Gerber bid $1,825, and Hart Construction Co., Gerber, $1,610.55. NOTE:—Under the Tehama County Charter any bidder may bid 10% less after the bids are announced. Clendenning bid 10% less than the Hart Construction Co., or $1,449.50. W. F. Lunning, County Surveyor.

CALIFORNIA.—Until Dec. 5, 2 p. m., bids will be received by State Highway Commission for constructing three reinf. concr. girder bridges in Shasta County: 1 across Anderson Creek near Anderson, 4 spans, 40 ft. each; across Canyon Creek near Redding, 3 spans 28 ft. each; across Oregon Gulch near Redding, 2 spans 40 ft. each. **See call for bids under official proposal column in this issue.**

SAN JOSE, Santa Clara Co., Cal.—Wm. Martin, at $567, awarded contract by Supervisors to construct reinf. concrete culvert in Dempsey road, near Calaveras road in Supervisorial Dist. No. 3. Other bidders were: Jim Casley, $620, and $575; Herschbach & Scarrino, $647 and $618. Irving Ryder, County Surveyor.

SEATTLE, Wash. — Following bids received by U. S. Engineer Office for emergency dams for Lake Washington ship canal:

The J. A. McEachern Co. (Inc.), 552 Colman Budg., Seattle, Wash., $137,820; Hurley-Mason Co., Gasco Bldg., Portland, Ore., $134,480; Hans Pederson Constr. Co., Alaska Bldg., Seattle, Wash., $174,279.29; Kyle & Co., 644 Call Bldg., San Francisco, $148,989.40; The Variety Iron and Steel Works Co., 1277 E. 40th St., Cleveland, $130,066; Wisconsin Bridge and Iron Co., North Milwaukee, Wis., $124,613.80; Milwaukee Bridge Co., 1400 34th St. Milwaukee, Wis., $113,423.40; Independent Bridge Co., May Bldg., Pittsburgh, $110,408; The Dravo Contracting Co., Pittsburg, $86,484. The totals are based upon the estimated quantities given in the specifications and the unit prices submitted by bidders.

MERCED, Merced Co., Cal.—E. K. Angle, Dos Palos, at $1750, awarded contract by Supervisors to construct reinf. concr. bridge No. 89 over Jordan-Atwater Canal on Atwater-Winton road in Road Dist. No. 3 about 1¼ mi. north of Atwater.

Roy Kruger, Gustine, at $1740 awarded contract to construct reinf. concr. bridge (Bridge No. 99) over Parnell Waste Ditch on Gustine-Los Banos road, Sec. 1, in Road Dist. No. 4, about 6½ mi. south of Gustine.

Kruger, at $1740, also awarded contract to construct reinf. concr. bridge No. 98, over Quinto Creek on Gustine-Los Banos road, Sec. 1, in Road Dist. No. 4, about 3½ mi. so. of Gustine. A. E. Cowell, County Surveyor.

SANTA CRUZ, Santa Cruz Co., Cal.—Until Nov. 22, 2 p. m., bids will be received by H. E. Miller, County Clerk, for constructing concr. culvert in town of Soquel, in Soquel Road Dist. Cert check 10% payable to County Clerk required with each bid. Lloyd Bowman, County Surveyor.

REDWOOD CITY, San Mateo Co., Cal. C. Miles, Sacramento, at approx. $3000, awarded contract by Supervisors for excavation and opening of Colma creek from bridge on lands of Cowell Estate north to a point near State Highway bridge. Unit bid os $.38 cu. yd. Nine bids received, highest being $.97 cu. yd. Geo. Kneese, County Surveyor.

Engineers and Contractors
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Phone Douglas 1118

MADERA, Madera Co., Cal.—R. C. Brown, Chowchilla at $6444 using concrete footings, awarded contract by the County Supervisors for constructing bridge over Ash slough. Complete list of bids follows:

M. C. Knowles, Raymond, $8936 piles; $7206 piles not creosoted.

R. E. Carter, Chowchilla, $8850 concrete footings.

Pacific Constr. Co., San Francisco, $9091, piles.

R. C. Tumelty, Stockton, $9960 piles.

R. C. Brown, Chowchilla, $6112 piles; $6444 concrete footings.

E. K. Angle, Dos Palos, $7200 piles; $9000, concrete footings.

West Coast Constr. Co., San Francisco, $10,921, concrete footings; $10,134, piles.

J. O. Rue, County Surveyor.

IRRIGATION PROJECTS

PETALUMA, Sonoma Co., Cal.—Engineers Howe, Peters and Lind, 24 California St., San Francisco, complete survey for irrigation district, comprising 7,000 acres, in vicinity of Magnolia, the Adobe District and Penngrove. It is proposed to get water from Chileno Valley, where it will be impounded by a dam 75 ft. high and 800 ft. long. The capacity of the reservoir will be 5,000,000,000 gallons, to be distributed by ditches. The cost is estimated at $600,000.

SUTTER CITY, Sutter Co., Cal.—Farmers in this section propose to form independent irrigation district under Wright Act, comprising 2,400 acres. It is proposed to secure water from lateral of the Sutter-Butte Canal Co. and lift it 10 ft. by means of a large pump. Martin Ware, chief engineer for the canal company, is assisting in organizing the district.

SACRAMENTO, Cal.—Schultz Construction Co., 46 Kearny St., San Francisco, at approx. $163,000, awarded contract by Citrus Heights Irrigation District, Northern Sacramento County, to construct distributing system. A main pipe 5½ mi. long will be built; pipe will be 24-in. in dia. About 120,000 ft. of pipe will be required. J. W. Cross is chief engineer and Albert Givan, consulting engineer for the district, which comprises about 30,000 acres.

EL CENTRO, Imperial Co., Cal.—An agreement has been made by Imperial Irrigation District with Colorado River Land Co. whereby former will complete Pescadero cut to divert Colorado river into old channel; district will maintain Ockerson and Volcano Lake levees and land company will maintain Salz levee.

MODESTO, Stanislaus Co., Cal.—Pacific Construction Co., 16 California St., San Francisco, awarded contract by Modesto Irrigation District for constructing 16-in. concr. pipe drain, an extension to South Branch of Davis-O'Connor drain, approx. 12,000 lin. ft. in length. W. H. Webb, Modesto, on other bids as follows: For 12,000 feet of pipe—Webb 82c lin ft.; Pacific Constr. Co., 69¾c; 4000 ft of redwood planking—Webb, 7c

ft.; Pacific Constr. Co., 10c; 23 sand traps—Webb, $20 ea.; Pacific Constr. Co., $15 ea. Percy Jones, Chief Engineer for District.

LIGHTING SYSTEMS

REDDING, Shasta Co., Cal.—In addition to $40,000 required to purchase the privately owned lighting system, the City of Redding will need $20,000 to improve it, according to estimates filed with the Trustees by Engineer Kramer of the State Railroad Commission. It is proposed to float a bond issue for the purchase.

PASADENA, Cal.—Petition for an ornamental lighting system on S. El. Molina Ave., between California and Fillmore Sts., has been filed with the Board of Directors.

LOS ANGELES, Cal.—Until 11 a. m., Nov. 14, bids will be received by Supervisors for constructing an ornamental lighting system in Crescent Heights Lighting District, requiring 242 posts, with conduits and appliances. Bids were previously taken for this work and contract awarded to Humphrey Engineering Construction Co. at $37,866, but on account of changes in the law it was found necessary to start new proceedings.

ORLAND, Glenn Co., Cal.—City Trustees order installation of eight "Marbelite" electroliers; two at each corner of the business district.

MACHINERY

ALAMEDA, Alameda Co., Cal.—Until Nov. 14, 5 p. m., bids will be received by A. D. Goldsworthy, secretary, Board of Public Utilities, 2407 Santa Clara Ave., for furnishing Department of Electricity with 35,000 lbs. Single O. B. & S. Gauge, Soft Drawn, Solid Triple Braid Weather Proof Copper wire on Reels, and 5,000 lbs. No. 2, B. & S. Gauge, Soft Drawn, Solid Triple Braid Weather Proof Copper Wire on reels.

Further information will be furnished on request.

TAFT, Kern Co., Cal.—All bids received for pipe for extensions to city water system were rejected and new bids will be taken.

TURLOCK, Stanislaus Co., Cal.—Turlock and Modesto Irrigation Districts, acting jointly, award contracts for hydro-electric machinery as follows:

S. Morgan Smith & Co., York, Pa., for the variable turbines, $93,750.

Western Pipe and Steel Co., San Francisco, for penstock lining pipes leading to the turbines, $3,604.

The General Electric Co. for three generators, ten transformers, switchboard and switches for $189,212.

Manning Maxwell & Moore, San Francisco, for traveling crane at $8,516.

ALAMEDA, Alameda Co., Cal.—Until Nov. 14, 5 p. m., bids will be received by A. D. Goldsworthy, secretary, Board of Public Utilities, 2407 Santa Clara Ave., for fur. and del. to Electrical Department 950 ft. armored cable. Further information on request.

LOS ANGELES, Cal.—Until 3 p. m., Nov. 15, bids will be received by Board of Public Service, 207 S. Broadway, for trench excavating machine to cut trench 18-in. wide and 6 ft. deep, operated by 25 h. p. gas engine, caterpillar traction. Spec. 588A. Jas. P. Vroman, secretary.

WILLOWS, Glenn Co., Cal.—Until November 15, 10 a. m., bids will be received by W. H. Sale, County Clerk, for furnishing and delivering for use in Road Districts Nos. 2 and 4, one Monroe "Jumbo" road machine, 25-ft. spread. Bayard Knock, County Surveyor.

LOS ANGELES, Cal.—Until 3 p. m., Nov. 25, bids will be received by Board of Public Service, 207 S. Broadway, for 10,000 ft. ½-in., 35,000 ft. ¾-in., 10,000 ft. 1-in., 5,000 ft. 1½-in., 5,000 ft. 2-in., 300 ft. 3-in. and 200 ft. 4-in. wrought iron galv. water pipe, with threads and couplings. James P. Vroman, secretary.

GILROY, Santa Clara Co., Cal.—Town Trustees contemplating purchase of machine for leveling "swelled" spots in Monterey street.

ALHAMBRA, Los Angeles Co., Cal.—Until 5 P. M., Nov. 21, bids will be received at office of City Clerk for 24 ft. 12-in., 2130 ft. 6-in. and 800 ft. 4-in. Class B cast iron bell and spigot pipe and fittings. Alternate bids will be taken on pipe for lengths of 12 ft. and of 5 meters. Certified check for 25%. Grant M. Lorraine, City Manager.

OAKLAND, Cal.—Until Nov. 17, 12 noon, bids will be received by Eugene K. Sturgis, City Clerk, for fur. and del. 2 roadster type automobiles for use of Street Department.

TAFT, Kern Co., Cal.—Until 7:30 p. m., Nov. 14, new bids will be received by City Trustees for 4-in. and 6-in. cast iron or standard screw pipe for working pressure of 200 lbs. sq. in. Alternate bids may be submitted on other pipe equal to spec. E. M. Lynch, Central Bldg., Los Angeles, engineer.

PLACENTIA, Orange Co., Cal.—Until 6 p. m., Nov. 18, bids will be received by Placentia-Richfield School Dist. for pump 35 gal. per min. capacity to be placed 160 to 170 ft. below ground; also for Gen. Elec. or Westinghouse motor, 40 degrees, 50 cycle, 220 volts, heavy enough to operate pump.

VALLEJO, Solano Co., Cal.—Until November 14, 12 noon, bids will be received by Alf. E. Edgecumbe, City Clerk, for furnishing and delivering one 4-cylinder, 5 passenger automobile. Bids received under the last call were rejected due to the failure of the lowest bidder to enclose certified check for 10% of amount bid. Specifications may be had from city clerk.

SAN FRANCISCO.—Board of Supervisors authorizes an expenditure of $2719 for the purchase of an additional 5,000 feet of 24-in. steel pipe with bands for use on the Hetch Hetchy project. M. M. O'Shaughnessy, City Engineer.

LONG BEACH, Cal.—Until 10 A. M., Nov. 15, bids will be received by City Manager Charles E. Hewes, Room 5, City Hall, Long Beach, for furnishing 25,000 ft. 4-in.; 21,000 ft. 6-in.; 23,000 ft. 8-in. 5400 ft. 12-in.; and 1350 ft. 20-in. cast iron water pipe. Check for 10%.

LOS ANGELES, Cal.—Until 3 P. M., Nov. 18, bids will be received by the Board of Public Service, 207 S. Broadway, for furnishing and erecting riveted steel water tank. Specification 589. Jas. P. Vrooman, Secretary.

LOS ANGELES, Cal.—Until 3 P. M., Nov. 15, bids will be received by the Board of Public Service, 207 S. Broadway, for 7000 ft. 2-in. stand. wrought black pipe with threads and couplings. Specification 589-A. Jas. P. Vrooman, Secretary.

RAILROADS

ANAHEIM, Orange Co., Cal.—Union Pacific Ry. Co. has been granted permission by State Railroad Commission to extend the Salt Lake road from Whittier to Santa Ana through Whittier and Anaheim. This is reported to be part of a line to San Diego.

MOSIER, Ore.—Gilpin Construction Co., Worcester Bldg., Portland, awarded contract for enlarging and lining tunnel of O. W. R. and N. at Mosier, 3 mi. east of Hood River. Contract price, approx. $75,000.

FIRE EQUIPMENT

SAN FRANCISCO. — Schultz Construction Co., 46 Kearny St., at $6885, awarded contract by Board of Public Works to construct reinf. concr. fire cistern at Lakeview and Josiah Ave. M. M. O'Shaughnessy, City Engineer.

PETALUMA, Sonoma Co., Cal.—Fire Commission recommends that steps be taken to finance construction of a new fire station and the purchase of additional modern fire equipment. R. S. Adams, chief of department.

REDWOOD CITY, San Mateo Co., Cal., C. L. Dimmitt, City Engineer, instructed to prepare specifications for a 750-gal. centrifugal combination pump and engine for the fire department. Bids will be asked on adoption of the specifications.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

BAKERSFIELD, Kern Co., Cal.—Council, V. Van Riper, City Clerk, declares intention to construct 6-in. vit. sewer in alley of Blocks 104, 105 and 106, one manhole and one lamphole; Sewer District No. 47. Imp. Act 1911. Protests, Nov. 21. R. H. Hubbard, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—Council, John J. Lynch, City Clerk, declares intention to improve Julian St., bet. 11th and 17th, by regrading, paving with 1-in. asph. concr. surface on 4-in. asph. concr. base, concr. curbs and gutters, 15 brick catchbasins. Imp. Bond Act 1915.

Keyes St., bet. 3rd St. and S. P. right-of-way, regrading, concr. curbs, gutters and sidewalks, paving with 1½-in. asph. concr. surface on 5-in. asph. concr base. Imp. Bond Act 1915. Wm. Popp, City Engineer.

CHICO, Butte Co., Cal.—Byrne & Yost, Sacramento, at $53,362, awarded contract by Trustees for paving streets in Thirteenth subdivision. Project involves: 183,000 sq. ft. 4-in. concr. pavement, 9,000 lin. ft. concr. gutters, 5,000 lin. ft. concr. curbs and 26,000 sq. ft. cement sidewalks. F. S. Robinson, City Engineer.

CHICO, Butte Co., Cal.—Baker and Carpenter, San Francisco, engineers, has offered to appraise property of Chico Water Supply Co. for the sum of $250. The Trustees are contemplating the purchase of the system. Engineer C. H. Loveland, San Francisco, former member of the State Railroad Commission, offered his services at $750.

BERKELEY, Alameda Co., Cal.—The East Bay Water Co., Edwin O. Edgerton, president, announces it will spend approximately $440,000 in improving the water system.

HAYWARD, Alameda Co., Cal.—Town Engineer Jesse B. Holly completes spec. for a sewer in Fifth St. bet. C and D Sts.

FRESNO, Fresno Co., Cal.—Council instructed City Engineer to prepare spec. for paving Calaveras bet. H and Divisadero, and orders improvement of Roosevelt Ave. bet. Olive and Pine Aves.; Roosevelt Ave. bet. Belmont and Olive Aves.; Carmen St. from Wishon to Lucerne; Home from Lucerne to Van Ness and Pine from Lucerne to Moro. Wm. Stranahan, Comm. of Pub. Works.

OAKLAND, Cal.—Council, Eugene K. Sturgis, City Clerk, appropriates $10,000 for constructing roads and trestles at garbage dump on western waterfront. Geo. Mattis, City Engineer.

OAKLAND, Cal.—Until Nov. 17, 12 noon, bids will be received by Eugene K. Sturgis, City Clerk, for constructing 8-in. vit. sewer in portions of 22d Ave., 1 brick manhole, 2 vit. pipe lampholes, vit. wyes for each 40-ft. frontage. Imp. Act 1911. Certified check of 10%, payable to city, required. Geo. Mattis, City Engineer.

SAN FRANCISCO—Supervisors will provide funds in 1922-23 budget for reconstruction of Eighth St., from Market to Sixteenth St., its entire length. M. M. O'Shaughnessy, City Engineer.

SONORA, Tuolumne Co., Cal.—Immediate paving of Washington St. is contemplated by City Trustees. Business men urge the improvement.

OAKLAND, Cal.—Hutchinson Co., 444 17th St., awarded contract by Council to improve E.-22d St., bet. 25th and 27th Aves.; grading, $0.057 sq. ft; concr. curb, $0.75 lin. ft.; concr. gutter, $0.25 sq. ft.; oil macadam pavement, $0.136 sq. ft.; sidewalks, $0.175 sq. ft. Geo. Mattis, City Engineer.

CHICO, Butte Co., Cal.—City Trustees, Ira Morrison, Clerk, declare intention to construct sanitary sewer, with manholes and flush tanks, in alley of Blocks 1, 2, 3, 4, 5, 7 and 8, and the alley in the Sloat Block. Imp. Act. 1911. Protests Nov. 23. F. S. Robinson, City Engineer.

SAN FRANCISCO—Fay Improvement Co. awarded contract by Southern Pacific to improve in vicinity of Fifteenth and Florida Sts.; involves approx. 21,000 sq. ft. asph. concr. pavement, $0.24¾ sq. ft.; 580 lin. ft. concr. 18-in. concr. curb, $1.33 lin. ft.; 105 lin. ft. 10-in. vit. pipe, $1.50 lin. ft.; 1 catchbasin, $107

SACRAMENTO, Cal.—Hard Bros. of Ripon, at $25,240, awarded contract by State Highway Commission for constructing 4.3 miles of highway in San Joaquin County, between 1.3 miles east of Clements and easterly boundary, involving 22,000 cu. yds. excavation without classification; 95 cu. yds. class "A" concr. culverts and monuments; 522 lin. ft. 12-in., 268 lin. ft. 15-in., 30 lin. ft. 18-in. and 80 lin. ft. 24-in. corru. metal pipe; 4,000 lin. ft. guard rail; 54 monuments. Commission will furnish reinforcing steel, corrugated metal pipe, cement and sand and coarse aggregate for concrete.

MODESTO, Stanislaus Co., Cal.—Standard Paving Co., 9th and M Sts., awarded contract by Council to improve 9th St. bet. B and E Sts., grading, $.05 sq. ft.; 4-in. concr. base paving with 1½-in. bitulithic wearing surface, $.32 sq. ft.; concr. gutters, $.20 sq. ft.; curb, $.70 lin. ft.; headers, $.12 lin. ft.

Same firm also awarded contract to improve 15th St. bet. E and Burney; Burney bet. 15th and Jennie Sts., and D St. bet. Jennie and Burney; grading, $.05 sq. ft.; 2½-in. asph. concr. base with 1½-in. bitulithic wearing surface paving, $.17 sq. ft.; concr. gutter, $.20 sq. ft.; curb, $.70 lin. ft.; headers, $.12 lin. ft. Geo. Freitas, City Engineer.

SACRAMENTO, Cal.—McGillivray Construction Co., Capitol Natl. Bank Bldg., awarded contract by Council to improve 5th Ave. bet. Stockton Blvd. and 65th St. by constructing 1 concr. manhole, reconstruct 15 existing manholes, placing 22 C. I. gutter drains, connected to sewer with 6-in. vit. pipe, grading and paving with 4-in. asph. concr. base. Albert Givan, City Engineer.

SANTA BARBARA, Cal.—James T. Cornwall, 221 Equestrian Ave., was awarded contract at $27,875.22 for improving Chapala St., between Mission and Fifth St., between Hollister and State, by grading and constructing combined cement curb and gutter, catchbasins, concrete and rubble walls and vitrified pipe sewers. E. H. Hunt bid $29,272.10 and Sam Hunter $41,986.87.

CALEXICO, Imperial Valley, Cal.—Nov. 29 is the date set for opening bids for the construction of curb and sidewalks on a large number of city streets, one of the big jobs of the Imperial Valley for the year.

See call for bids under official proposal column in this issue.

PHOENIX, Ariz.—State Engineer Thomas Maddock announces the advertisements for grading on Fed. Aid Proj. No. 36, bids to be opened Nov. 9, and for grading on the same project, bids to be opened Nov. 21, have been cancelled.

GLENDALE, Los Angeles Co., Cal.—B. D. Zaich, 220 W. 56th St., Los Angeles, awarded contract at $25,578.27 for constructing the "business district sewer"; other bids were: John Sutalo, $27,934.38; Pete Tomich, $28,388.38; W. T. Ellington, $29,706.67; Miagenovich & Gillespie, $33,343.78; R. N. Nikcevich, $36,134.27; B. B. Boyd, $36,835.42. The engineer's estimate was slightly over $32,000. Project involves 630 ft. 6-in., 270 ft. 8-in., 2,706.79 ft. 10-in., 478.84 ft. 12-in. and 1,720.93 ft. 15-in. vit. pipe; 9 standard manholes, 6 junc. cham. A and 2 junc. cham. B, 4 flush tanks, 7 septic tanks, 21 cesspools, 4 lampholes, 24 m. h. tight covers, 4 m. h. open covers.

SANTA BARBARA, Cal.—E. H. Hunt, Santa Barbara, was awarded contract at $29,723.52 for improving Chino and W. Arrellaga Sts. by grading and constructing curb, gutter and storm drain. Chas. Richardson bid $36,097.67.

FRESNO, Fresno Co., Cal.—Until Nov. 17, 3:30 p. m., bids will be received by R. Y. St. George, City Clerk, for improving Linden Ave. bet. Olive and Floradora; grading, concr. curbs, gutters and sidewalks, corru. iron culverts; paving with 3½-in. asph. concr. base with 1½-in. Warrenite Bitulithic surface. Imp. Act 1911. Cert check 10% payable to city required with each bid. Wm. Stranahan, Comm. of Pub. Works.

FRESNO, Fresno Co., Cal.—Until Nov. 17, 3:30 p. m., bids will be received by R. Y. St. George, City Clerk, for constructing 6-in. vit. city pipe sewer from existing sewer in alley in Block 331 southeast of San Joaquin St., thence northwest along alley in Block 349 to a manhole to be constructed near Amador St. with wyes placed at each lot frontage. Imp. Act. 1911. Cert check [illegible] payable to city required. Wm. Stranahan, Comm. of Pub. Works.

VENTURA, Ventura Co., Cal.—Until 10:30 a. m., Dec. 7, bids will be received by Supervisors for asph. concr. paving on portion of Foothill and Day roads in 5th Road Dist., involving 1370 cu. yds. excav., 2993 lin. ft. shaping roadbed, 47,870 sq. ft. asph. concr. pavement and 1 cu. yd. concr. in catch basin. Cert. check or bond for 10%. Plans and spec. may be obtained from County Surveyor Chas. Petit. L. E. Hallowell, Clerk.

LOS ANGELES, Cal.—C. W. Shafer, 1614 Temple St., awarded contract at $9,067.96 for improving Elk Ave., northeast of Reservoir St. Other bids were: G. T. McLain, $10,097.57; M. S. Cummings, $10,007.04; engineer's estimate, $8,533.46.

E. A. Baker, 833 Edgemont St., was awarded contract at $3,123.75 for improving 78th St., east of Figueroa. Conrad Scheerer bid $3,652.02; engineer's estimate, $2,948.88.

G. T. McLain, 1184 N. Berendo St., awarded contract at $3,422.44 for improving Wayne Ave. south of Cromwell Ave. M. S. Cummings bid $4,297.26; engineer's estimate, $3,585.32.

E. A. Baker, 833 Edgemont St., was awarded contract at $5,124.71 for improving 30th Ave., between Pasadena Ave. and Humboldt St. Other bids were: Conrad Scheerer, $5,223.17; C. T. Salata, $5,252.75; engineer's estimate, $4,009.21.

SAN DIEGO, Cal.—Geo. R. Daley, Owl Drug Bldg., was awarded contract at $26,747.18 for improving Pearl St., La Jolla, by grading and constructing curb, sidewalk, gutter, catchbasins and culverts.

FRESNO, Fresno, Col.—Council, R. Y. St. George, City Clerk, declares intention to improve: Roosevelt Ave. bet. Olive Ave. and Pine St.;

Roosevelt Ave. bet. Belmont and Olive Aves.;

Carmen Ave. bet. Wishon and Lucerne Lane; all by grading, constructing concr. curbs and sidewalks, reinf. concr. culverts and paving with 5-in. concr. Imp. Act 1911. Protests Nov. 25th.

Council also declares intention to improve Home Ave. bet. Lucerne Lane and North Van Ness Ave.; Moroa Ave. from Home Ave. to its east end.

Pine Ave. from Lucerne Lane to Moroa Ave., both by grading, constructing concr. curbs, gutters and sidewalks, corru. iron culverts; paving with 3½-in. asph. concr. base with 1½-in. Warrenite Bitulithic surface. Imp. Act 1911. Protests Nov. 25. Wm. Stranahan, City Comm. of Pub. Works.

SACRAMENTO, Cal.—Until Nov. 17, [illegible] p. m., bids will be received by M. J. Desmond, City Clerk, for improving 9th Ave. bet. 33rd and 35th Sts., const. concr. curbs and gutters; 8-in. C. I. [illegible] connected to sewer with 6-in. vit. pipe; resetting 2 gutter drains, const. 1 concr. manhole and reconst. 2; grading and paving with [illegible] asph. concr. Imp. Bond Act 1915.

Same [illegible] bids same date, for improving Y St. bet. Sacramento Blvd. and 34th St., const. concr. curbs and gutters, placing 4 C. I. gutter drains [illegible] to sewer with 6-in. vit. pipe; [illegible] manholes, 8-in. vit. pipe sewer, [illegible] and paving with 3½-in. asph. [illegible] 32nd St. from X to manhole [illegible] Y and X Sts., by const. 8-in.

vit. pipe sewer. Imp. Bond Act 1915. Cert. check 10% payable to city required with each bid. Albert Givan City Engineer.

SEATTLE, Wash.—County Engineer Thomas R. Beeman completing surveys for last link of Lake Washington highway; will be 3.69 miles long, 20 ft. wide; estimated cost, $120,000.

EL CENTRO, Imperial Co., Cal.—City Council has voted to pave with Willite following streets: Orange betw Third and Eighth; Third bet. Orange and Commercial, Commercial bet. Third and Fifth; Fourth bet. Commercial and Broadway; Wensley bet. Sixth and Seventh; Vine bet. Fourth and Seventh; Fifth and Sixth bet. Park and Railroad.

OAKDALE, Stanislaus Co., Cal.—Rights-of-way secured from Southern Pacific Ry. clear the way to pave Railroad Ave. As the work will cost $60,000 or more, legality of paving on sections of street outside city limits will be determined before proceedings are started.

PHOENIX, Arizona—R. L. Ballenger, Phoenix, has been awarded contract for improving Sixth St., involving 11,652 sq. yds. grading at 35c yd.; 4477.26 sq. yds. paving Spec. 20 BB at $2.85 yd.; 6960.47 sq. yds. paving Spec. 20 AA at $2.45 yd.; 214.46 sq. yds. paving Spec. 30 A at $2.70 yd.; 4876.22 lin. ft. combined cement curb and gutter at $1.50 ft. and incidental items.

MARTINEZ, Contra Costa Co., Cal.—Petition of Oakley residents seeking construction of a county highway in that vicinity referred by Supervisors to County Surveyor R. R. Arnold for report.

LODI, San Joaquin Co., Cal.—Clark and Henery Construction Co., 38 S. Sutter St., Stockton, awarded contract by Southern Pacific to pave portions of several streets in Lodi. Contract dated Oct. 13.

CALIFORNIA.—Until Dec. 5, 2 p. m., bids will be received by State Highway Commission, Forum Building, Sacramento, for constructing 7.9 mi. of asph. concr. highway in Santa Clara County bet. Morgan Hill and Gilroy; 3.7 mi. in Fresno County bet. Selma and Kingsburg, to be paved with concr. shoulders and an asph. concr. surface; 7.0 mi. in Los Angeles County to be surfaced with asph. concr. **See call for bids under official proposal column in this issue.**

OAKLAND, Cal.—Council, Eugene K. Sturgis, City Clerk, declares intention to improve Madison St. bet. 2nd and 12th Sts., involving: 49,325 sq. ft. grading; 1701 lin. concr. curb; 2116 sq. ft. concr. gutter; 47,209 sq. ft. of asph. concr. pavement; 238 lin. ft. of 8-in., 279 lin. ft. 12-in., 249 lin. ft. 14-in., 312 lin. ft. of 16-in. and 280 lin. ft. of 21-in. vit. pipe sewer; 851 lin. ft. 30-in. concr. sewer; 157 lin ft. of 10-in. vit. pipe conduit; 2 brick manholes; 3 brick and concr. manholes; 6 brick catchbasins; 5 vit. pipe drop connections; 80 vit. pipe Y-branches; 48 vit. pipe slants; 1358 lin. ft. of existing sewer to be removed; 4 existing manholes to be deepened; 4 existing manholes to be removed. Protests Dec. 1. Geo. Mattis, City Engineer.

OROVILLE, Butte Co., Cal.—Specifications prepared by County Surveyor Harry H. Hume for the proposed roadway from the state highway to the U. S. Plant Introduction Station, near Chico, a distance of 1.4 mile, have been forwarded to Washington for approval. Specifications provide for a 4-in. black surfacing. Work is estimated to cost $22,000; the county to pay $10,000 and the Government $12,000.

RICHMOND, Contra Costa Co., Cal.—City Engineer H. D. Chapman is preparing specifications for improving Ohio street from 37th to 41st and 37th from Macdonald Ave. to Ohio street. A permanent pavement 18 feet wide will be constructed. Engineer Chapman is completing specifications for improving 56th street for its full width and Bay View Avenue for an 18 foot width pavement.

MARTINEZ, Contra Costa Co., Cal.—Supervisors adopt resolution authorizing the election to decide on the formation of a sanitary district between the north city limits of Richmond and Wildcat creek, in the San Pablo District. R. R. Arnold, County Engineer.

SEATTLE, Wash.—City Engineer Dimock completes spec. for 53rd Ave. S. W. trunk sewer; estimated cost, $133,974. Bids will be asked in about a week.

BRENTWOOD, Contra Costa Co., Cal.—Property owners in this town are planning formation of a district to finance construction of a water and sewer system, to be operated on the same basis as the lighting district. Estimates of cost will be submitted to the Chamber of Commerce within the next week.

MARTINEZ, Contra Costa Co., Cal.—Trustees are planning immediate paving of streets in the east of Pine street district, the southern portion of Castro and Estudillo streets, Talbot and Ward streets and other short stretches. T. D. Farley, City Engineer.

MADERA, Madera Co., Cal.—Frank A. Nikirk has been appointed City Engineer at a salary of $200 a month.

OAKLAND, Cal.—City Council appropriates $25,000 to commence construction of proposed extension of Skyline Boulevard to Redwood Peak. Geo. Mattis, City Engineer.

OROVILLE, Butte Co., Cal.—Fire Chief Kroeger recommends an auxiliary water system. He recommends that the City Trustees install steam pumping plant from a well sunk near the river. Referred to City Engineer for report.

SAN FRANCISCO—The Board of Public Works declares intention to construct 15,980 lin. ft. concrete curbs and 300,540 sq. ft. asphaltic concrete pavement in streets of Mission Terrace. M. M. O'Shaughnessy, City Engineer.

CALIFORNIA—State Highway Finance Board contemplates the sale of $7,000,000 worth of highway bonds at reduced rate of interest. It is proposed to hold the sale December 22. It is the opinion of the Board that the bonds will sell at a reduced rate because of the present condition of the bond market.

NATIONAL CITY, Cal.—Until 7:30 p. m., Nov. 15, bids will be received by City Clerk O. A. Mullen for constructing a double cem. concr. pipe culvert with two 30-in. pipes 60 ft. long, and headwalls.

MARYSVILLE, Yuba Co., Cal.—Supervisors petitioned to construct new road across Boyer and Hutchinson ranches, connecting the middle road with the Hammonton road. Action deferred until the January session. Leslie B. Crook, County Surveyor.

VISALIA, Tulare Co., Cal.—Until Nov. 25, 2 p. m., bids will be received by Geo. R. Prestidge, County Clerk, for constructing Naranjo-Lemon Cove highway, a distance of 2.84 mi.; involving 3471.84 cu. yds. Class A concr. and 9750 cu. yds. excavation, unclassified yardage.

Separate bids, same date, for constructing Kingsburg south division, a distance of 0.9 mile; involving 1228.29 cu. yds. class A concr. and 2700 cu. yds. excavation. Plans on file in office of County Surveyor Laurence Moye.

RED BLUFF, Tehama Co., Cal.—Trustees instructed City Clerk E. F. Lennon to arrange with State Railroad Commission for an appraisal of the lighting system of the Pacific Gas & Elec. Co.; Trustees plan to purchase and improve system through a bond issue. W. F. Lunning, City Engineer.

AUBURN, Placer Co., Cal.—Placer County Chamber of Commerce and County Supervisors decide to employ a Federal engineer to pass upon lands for a good roads system and to select a type of pavement for the various districts. A committee headed by Chairman William Haman of the Board of Supervisors, E. C. Gaylord of Auburn and Sam Day of Loomis was named to select the engineer.

VISALIA, Tulare Co., Cal.—City Trustees order plans and spec. for paving East Mineral King Ave. for its full width, to comply with the balance of the street. L. H. Gadsby, City Engineer.

SPOKANE, Wash.—J. F. Shea, Portland, at $358,860, submits low bid to City Council for constructing downtown intercepting sewer. It is expected the bids, three in all, will be rejected. No bids received for constructing Altamont trunk and lateral sewer system, estimated to cost $77,600.

SANTA BARBARA, Cal.—Until 7:30 p. m., Nov. 17, bids will be received by City Clerk S. B. Taggart for street work under 1911 Act as follows: De la Vista Ave. bet. Canal and Salispuedes Sts., Cottage Grove Ave. bet. Bath and De la Vina Sts. and Alamar Ave. bet. Hollister Ave. and Castillo St., to be graded and paved with 5-in. cem. concr. base and 1½-in. asph. wearing surface; cem. curb, driveways, gutters and vit. pipe connecting sewers. These improvements comprise three separate contracts.

STOCKTON, San Joaquin Co., Cal.—Cyrus Moreing, Commercial Savings Bldg., Stockton, at $62,728.75 awarded contract by Supervisors for paving Clements-Ione road in Wild Goose Valley. For a graveled road Moreing bid $33,215.75 Blumenkranz and Vernon, Stockton, for paving, $67,142.75; graveled, $36,888.25; Clark and Henery Construction Co., Stockton, paved, $71,673.25; graveled, $49,174.25.

Moreing at $58,732.50 also awarded contract for paving 6 mi. oil macadam of Waterloo-Linden road. Other bidders: Wilson D. Ellis, $60,160; Gorrill Brothers, $78,466 Blumenkranz & Vernon, $63,721; Clark & Henery Construction Co., $74,811.40.

Moreing, at $8,970, awarded contract for Kettleman Lane road work, also at $28,484 for Lockeford-Elliott road; also at $8,659.20 for Louis and Nolan road work; also at $16,355 for Carlin road.

W. B. Larkin, at $7,192, awarded contract for Tracy-Bethany road work. Moreing bid $7,935; W. Burns, $8,265. F. E. Quail, County Surveyor.

(Continued on Page 30)

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2590	Beck	Owner	14000
2591	Bejrom	Owner	500
2592	Carlson	Owner	12000
2593	Castagnetto	Owner	500
2594	Brunton	Cameron	700
2595	O'Brien	Owner	2000
2596	Palmer	Farnocchia	3500
2597	Trainor-Parsons	Fink	1500
2598	Weissbein	Meyer	17500
2599	Standard	Lindgren	2400000
2600	Levin	Whalin	710
2601	Carroll	Swanson	500
2602	Fink	Owner	800
2603	Liebman	Owner	35000
2604	Lane	Owner	500
2605	Myers	Knowles	3761
2606	Cantley	Leigh	13475
2607	Kaiser	Meyer	5600
2608	Wissman	Meyer	11200
2609	Gray	Meyer	11200
2610	Moeller	Meyer	5600
2611	Moeller	Meyer	5600
2612	Orpheum	Capital	9094
2613	Bnk of Italy	Owner	20000
2614	Werner	Bogart	600
2615	So. Pacific Co.	Fay	....
2616	Spengemann	Ingraham	7000
2617	Dennis	Nelson	7127
2618	Scharff	Ohlsen	3100
2619	Derham	Amos	900
2620	Moore	Johnson	25000
2621	Coffer	Owner	980
2622	Kennedy	Era	3000
2623	Anderson	Meyer	8000
2624	Harvard	Diestel	2000
2625	Thompson	Meyers	5000
2626	Falvey	Owner	40000
2627	Armstrong	Mooney	500
2628	Giarnini	Owner	2500
2629	Schindler	Coggins	500
2630	MacGruer	Wagner	5000
2631	Mahoney	Jensen	800
2632	Williams	Merritt	3000
2633	Lawler	Merritt	4000
2634	Anderson	Owner	8000
2635	Crowe	Cameron	15800
2636	Excelsior	Butte	5622
2637	Pac. G. & E.	Bosch	420
2638	Russ	Chase	1545
2639	Stough	Urfer	500
2640	Lewis	Hoin	500
2641	Fourt St. Co.	Barrett	500
2642	Mikesell	Mikesell	700
2643	Hamill	Owner	2000
2644	Webster	Johnson	3000
2645	Hamill	Owner	8000
2646	Shell	Fisher	800
2647	Weissbein	Meyer	17000
2648	Marcussen	Owner	800
2649	Ramacciotti	Fontanella	12500
2650	Hind	Hind	6000
2651	Whirter	Owner	5000
2652	Michelotti	Moller	700
2653	Pettigrew	Brady	1800
2654	Pacific Hat Co.	Owner	600
2655	Security	Wagner	500
2656	Lacey	Carlson	950
2657	Judnick	Owner	4500
2658	Hopkins	Mangels	7000
2659	Meyerfeld	Barrett	3500
2660	Macdonald	Macdonald	5500
2661	Pasantino	Johnson	500
2662	Barrett	Owner	5000
2663	Archbishop	Morchas	3500
2664	Sarom	Potel	500
2665	Greenberg	Kragen	5000
2666	Cuneo	Cuneo	1500
2667	Marcotti	Owner	500
2668	Matsger	Owner	1000
2669	Cahen	Owner	75000
2670	St. Francis	Braas	925
2671	Pengelly	Pranagle	3000
2672	Lipman	Todhunter	4000
2673	Walzen	Owner	1200
2674	McDonough	Owner	9000
2675	Moriconi	Owner	1000
2676	Piper	Owner	2600
2677	Baldwin	Gasperetti	2250
2678	Mikels	Mullen	550
2679	Wilkins	Ellingson	2600
2680	Rocca	Martinella	6600
2681	Nasser	Bosch	2600
2682	Callahan	Thulin	11350

PERMITS

APARTMENTS
(2590) SW CALIFORNIA AND 26TH Ave. Two-story and basement frame (4) apartments.
Owner—J. E. Beck, No. 435 Cabrillo Street.
Architect—Albert W. Burgren, No. 110 Sutter St.
Day's work. $14,000

CEMENT WORK
(2591) NO. 1788 SANCHEZ ST. Cement work, etc., for private garage in basement of cottage.
Owner—Ellen Byrom, No. 1788 Sanchez Street.
Architect—None.
Day's work. $500

APARTMENTS
(2592) E STOCKTON 60 S Pine. Three-story and basement reinforced concrete (6) apartments.
Owner—O. E. Carlson, No. 180 Jessie Street.
Architect—None.
Day's work. $12,000

RETAINING WALL, ETC.
(2593) NO. 229 COLUMBUS AVE. Construct retaining wall and sidewalk for store.
Owner—A. Castagnetto, No. 229 Columbus Ave.
Architect—None.
Day's work. $500

ADDITION, ETC.
(2594) SW CALIFORNIA AND 19TH Ave. Addition for battery charging station; cement floor, T & G roof; galv. iron skylights, etc.
Owner—Julius Brunton & Sons., 19th and Valencia Sts.
Architect—None.
Contractor — Cameron and Disston, Hearst Bldg. $700

ADDITIONS, ETC.
(2595) NO. 3003 JACKSON ST. Addition of 2 rooms and baths for residence.
Owner—Mrs. W. S. O'Brien, care Architect.
Architect—Edward E. Young, No. 251 Kearny St.
Day's work. $2000

ADDITION
(2596) NO. 1037 BROADWAY. Addition of one story for dwelling.
Owner—Misses Williams and Palmer, No. 1037 Broadway.
Architect—None.
Contractor—Farnocchia & Co., No. 1814 Powell St. $3,500

REMODELING
(2597) NO. 186 GEARY. Install show windows and mezzanine floor for optical store.
Owner—Trainor-Parsons Optical Co., No. 186 Geary St.
Architect—The Fink and Schindler Co., No. 226 13th St.
Contractor—The Fink and Schindler Co., No. 226 13th St. $1500

GARAGE
(2598) NW GEARY AND 11TH AVE. One-story concrete Class "C" garage.
Owner—Jacob Weissbein, Hobart Bldg.
Architect—H. C. Baumann, No. 251 Kearny St.
Contractor&—Meyer Bros., No. 5326 Geary St. $17,500

OFFICE BLDG.
(2599) SW BUSH AND SANSOME STS. Twenty-two-story and basement Class "A" office building (all work except structural steel and concrete fireproofing).
Owner — Standard Oil Co., No. 200 Bush St., City.
Architect—Geo. W. Kelham, Sharon Bldg.
Contractor—Lindgren Co., Monadnock Bldg. $2,400,000

REPAIRS, ETC.
(2600) NO. 152 PALM AVE. General repairs and changes for interior and exterior of residence.
Owner—Dan Levin, No. 126 Palm Ave.
Architect—None.
Contractor—J. H. Whalin, No. 2930 22nd Ave., Oakland. $710

FINISH BASEMENT
(2601) NO. 57 POND ST. Finish basement for three rooms.
Owner—Mrs. Adele Carroll, No. 57 Pond St.
Architect—None.
Contractor—John A. Swanson, No. 74 Pond St. $500

REMODELING
(2602) NO. 228 THIRTEENTH ST. Enlarge finishing room of factory.
Owner—The Fink Schindler Co., No. 228 13th St.
Architect—Plans by owners.
Day's work. $800

FLATS
(2603) E 21ST AVE. 231, 131, 156, 181, 206 N. California. Five 2-story and basement frame (2 in each) flats.
Owner— Jeanette Liebman, No. 113 9th Avenue.
Architect—C. O. Clausen, Hearst Bldg.
Day's work. $7000 ea.

REMODEL, ETC.
(2604) 119 WAVERLY PLACE. Remove partitions; remodel front; install hand elevators for store.
Owner—Paul Lane, No. 128 Waverly Place.
Architect—None.
Day's work. $500

RECORDED

LATH, PLASTER, ETC.
(2[illegible]) SUTTER 7068 W Mason 67 x [illegible] Lathing and plastering for a [illegible] stores and basement frame bldg.
Owner—Laurence A. Myers, Foxcroft Bldg.
Architect—Samuel L. Hyman, Foxcroft Bldg., San Francisco.
Architect—Not given.
Contractor—A. Knowles, Call Bldg.
Filed Nov. 4, '21. Dated Oct. 25, '21.
Completed and accepted [illegible] 75%
Legal 35 days [illegible] 25%
TOTAL COST, $3761
Bond, sureties, forfeit, none; limit, 21 da[illegible] and specifications note[illegible]
Notice Filed and reported July 21, 1921 No. 1553.

FRAME BLDG.
(2606) SW GEARY & 5TH AVE. E 32-6 N 100 W 32-6 S 100. All work except wall beds, paper, finish hardware, and electric fixtures for 2-story frame building.
Owner—Jas. Cantley, 180 Jessie St.
Architect—Edw. E. Young, 251 Kearny Street.
Contractor—D. Leigh, 840 44th Ave.
Filed Nov. 4, '21. Dated Oct. 31, '21.
Frame up $2526.50
Brown coated 2526.50
Plaster completed and standing trim on 2526.50
Completed and accepted 2526.50
Usual 35 days 3368.75
TOTAL COST, $13,475.00
Bond, $6737.50; sureties, Gustave Moeller and Herbert Guest; forfeit, none; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Aug. 18, 1921, No. 1703.

RESIDENCE
(2607) W 22ND AVE 100 S Cabrillo S 25 x W 120. Two-story 8-room residence.
Owner—William F. Kaiser, 326 Kirkham.
Architect—Not given.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St.
Filed Nov. 4, '21. Dated Mar. 26, '21.
Frame up $1400
Brown coat mortar on..... 1400
Completed 1400
Usual 35 days..... 1400
TOTAL COST, $5600
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications, none.

RESIDENCES
(2608) W 22ND AVE 200 S Cabrillo S 50 x W 120. Two 2-story and basement (8-room) residences.
Owner—Harry Wissman, 29th Ave. and Clement St.
Architect—Not given.
Contractor—Theodor G. and Rollin E. Meyer, 5326 Geary St.
Filed Nov. 4, '21. Dated Mar. 26, '21.
Frame up $2800
Brown coated 2800
Completed 2800
Usual 35 days 2800
TOTAL COST, $11,200
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications, none.

RESIDENCES
(2609) W 22ND AVE 250 S Cabrillo S 50 x W 120. Two 2-story 8-room residences.
Owner—John Gray.
Architect—Not given.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St.
Filed Nov. 4, '21. Dated Mar. 26, '21.
Frame up $2800
Brown coated 2800
Completed 2800
Usual 35 days 2800
TOTAL COST, $11,200
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications, none.

RESIDENCE
(2610) W 22ND AVE 75 S Cabrillo S 25 x W 82-6. Two-story 8-room residence.
Owner—Gustave Moeller, 2221 Clement Street.
Architect—Not given.
Contractor—Theodore and Rollin E. Meyer, 5326 Geary St.
Filed Nov. 4, '21. Dated Mar. 26, '21.
Frame up $1400
Brown coated 1400
Completed 1400
Usual 35 days 1400
TOTAL COST, $5600
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications, none.

RESIDENCE
(2611) W 22ND AVE 125 S Cabrillo S 25 x W 120. Two-story 8-room residence.
Owner—Gustave Moeller, 2221 Clement Street.
Architect—Not given.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St.
Filed Nov. 4, '21. Dated Mar. 26, '21.
Frame up $1400
Brown coated 1400
Completed 1400
Usual 35 days 1400
TOTAL COST, $5600
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications, none.

SHEET METAL WORK
(2612) NW GOLDEN GATE AVE & Taylor St. Sheet metal work for theatre.
Owner—Junior Orpheum Co. of San Francisco, by W. S. Dinwiddie, Crocker building.
Architect—G. Albert Lansburgh, 709 Mission St.
Contractor—Capitol Art Metal Co., Inc.
Filed Nov. 4, '21. Dated Oct. 20, '21.
Work installed, monthly.....75%
Usual 35 days 25%
TOTAL COST, $9094
Bond, $4547; surety, New Amsterdam Casualty Co.; forfeit, none; limit, 60 days. Plans and specifications not filed.

BANK BLDG.
(2613) SW COR CASTRO AND 17TH. One-story fireproof bank building.
Owner—Bank of Italy, Powell and Eddy Sts.
Architect — Edw. Foulkes, Crocker Bldg.
Day's work. $20,000

REPAIRS, ETC.
(2614) NO. 350 FOURTH AVE. Repair porch and alterations for basement garage.
Owner—A. W. Werner, No. 350 4th Ave.
Constucting Engineer—Jos. S. Bogart, No. 229 Mills Bldg.
Contractor—J. S. Bogart, No. 229 Mills Bldg. $600

ASPH. CONCR. PAVE., ETC.
(2615) FIFTEENTH AND FLORIDA Sts. For const. approx. 21,000 sq. ft. asph. concr. pave.; approx. 580 lin. ft. 18-in. concr. curb; approx. 105 lin. ft. 10-in. vit. pipe and 1 catchbasin.
Owner—Southern Pacific Co.
Architect—None.
Contractor — Fay Improvement Co., Phelan Bldg., San Francisco.
Filed Nov. 5, '21. Dated Oct. 8, '21.
Pavement, 24¾c sq. ft.
Curb, $1.33 lin. ft.
Pipe, $1.50 lin. ft.
Catchbasin, $107.00.
TOTAL COST, $——
Bond, $4700; surety, Hartford Accident & Indemnity Co.; forfeit, none; limit, 60 days. Plans and specifications, none.

FRAME BLDG.
(2616) E 20TH AVE 100 N Fulton N 25 x E 120. One-story and basement wood frame building.
Owner — Chas. H. Spengemann, 25 Stockton St.
Contractor—O. R. Thayer, 110 Sutter Street.
Contractor—M. C. Ingraham, 450 Duboce Ave.
Filed Nov. 5, '21. Dated Nov. 4, '21.
Roof on $1312
Brown coated 1312
Standing finish on..... 1312
Completed and accepted 1314
Usual 35 days 1750
TOTAL COST, $7000
Bond, sureties, none; forfeit, $5 day; limit, 80 days. Plans and specifications filed.
NOTE:—Permit applied for today

RESIDENCE
(2617) LOT 6 BLK 3108 WESTWOOD Park. One-story and basement frame residence.
Owner—Kate A. Dennis.
Architect—Chas. F. Strothoff, 2274 15th Street.
Contractor—Hans Nelson, 1375 Plymouth Ave.
Filed Nov. 5, '21. Dated Oct. 20, '21.
Enclosed $1219.37
Brown coated 1219.37
Completed and accepted 1219.37
Usual 35 days 1219.37
Bal., $2250, to be paid by note secured by deed of trust.
TOTAL COST, $7127.50
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

DWELLING
(2618) NE CABRILLO & 41ST AVE, 100 on E 41st Ave by 31-6 on Cabrillo. One-story and basement frame dwelling.
Owner—Ervin E. Scharff.
Architect—Not given.
Contractor—A. H. Ohlsen, 707-A Shotwell St.
TOTAL COST, $3100
Filed Nov. 5, '21. Dated Oct. 25, '21.
NOTE:—This contract refers to contract between said parties recorded Nov. 3, 1921, which omitted description.

COVER SHED, ETC.
(2619) NO. 932 BRYANT ST. Cover shed with galvanized iron; asphalt floor.
Owner—Teddy Derham.
Architect—None.
Contractor—E. C. Amos, No. 1645 Golden Gate Ave. $900

ADDITION, ETC.
(2620) NO. 880 CAMINO DEL MAR. Two-story and basement frame addition for residence ; concrete foundation; tile roof; plaster exterior.
Owner—Mrs. A. A. Moore, Jr.
Architect—Bliss and Faville, Balboa Bldg.
Contractor—J. Harold Johnson, No. 160 Jessie St. $25,000

REMODELING
(2621) NO. 2356 CALIFORNIA ST. New front and make alterations for four apartments.
Owner—Anna Coffer, No. 2356 California St.
Architect—None.
Day's work. $980

RESIDENCE
(2622) S W CHARTER OAK AND Wayland. One-story and basement frame residence.
Owner—Thos. Kennedy, No. 3289 Mission St.
Architect—None.
Contractor—Era Building Co., No. 3289 Mission St. $3000

FLATS
(2623) E. 11TH AVE. 250 S. California. Two-story and basement frame (2) flats.
Owner—J. T. Anderson, 20th Ave. and Geary St.
Architect—None.
Contractor — Meyer Bros. No. 5325 Geary St. $8000

FLATS
(2624) NO. 1545 FRANKLIN ST. Repair fire damage to flats.
Owner—Mrs. Ada Havard, No. 248 Russ Building.
Architect—None.
Contractor—John Diestel, No. 248 Russ Building. $200

RESIDENCE
(2625) N GEARY 57-6 W. 27th Ave. Two-story and basement frame residence.

wner—Nathan Thompson, 23rd Ave. and Geary.
rchitect—H. C. Baumann, No. 251 Kearny St.
ontractor — Meyer Bros., No. 5326 Geary St. $5000

PARTMENTS
2626) W. HYDE 40 and 70 S. Pine. Two 3-story and basement frame 11 2-room apartments.
wner—Arthur J. Falvey, No. 2099 Lake St.
rchitect—None.
ay's work. $20,000 ea.

DDITIONS
2627) N. HENRY 320 W. Castro. Minor additions for dwelling.
wner—A. E. Armstrong, No. 264 Henry St.
rchitect—G. A. Berger, No. 261 Valencia St.
ontractor—E. Mooney, No. 12 Valencia St. $500

LTERATIONS
2628) SW MASON AND WATER STS. Alterations for hotel dining room; itchen; light shafts, etc.
wner—A. P. Giannini Co.
rchitect—Paul F. DeMartini, No. 946 Broadway.
ay's work. $2500

LTER, ETC.
2629) NO. 90 THIRD ST. Alter store front; metal lath and plastering.
wner—H. C. Schindler, No. 90 Third Street.
rchitect—None.
ontractor—L. M. Coggins, No. 115 Turk St. $500

HOP BLDG.
2630) N. TEHAMA 262-6 E-4th. One-story frame plasterers' shop.
wner—MacGruer and Simpson, No. 540 Call Bldg.
rchitect—None.
ontractor—Daniel R. Wagner, No. 540 Call Bldg. $5000

EPAIRS, ETC.
2631) NO. 819 VALENCIA ST. Repair fire damage to auto body building shop; glazing; carpentry, etc.
wner—Amy D. Mahoney, care T. J. Wilson, 216 Bush St.
rchitect—None.
ontractor—James Jensen, No. 550 Valencia St. $800

ESIDENCE
2632) NO. 1265 47TH AVE. One-story and basement frame residence.
wner—Mrs. Williams, No. 1265 47th Avenue.
rchitect—Geo. M. Merritt, No. 3014 Geary St.
ontractor—Geo. M. Merritt, No. 3014 Geary St. $3000

ESIDENCE
2633) E. 17TH AVE. 240 S. California. Two-story and basement frame residence.
wner—Mr. and Mrs. J. P. Lawlor, No. 238 17th Ave.
rchitect—Geo. M. Merritt, No. 3014 Geary St.
ontractor—Geo. M. Merritt, No. 3014 Geary St. $4000

LATS
2634) E. 12TH AVE. 275 S. Geary. Two-story and basement frame (2) flats.
wner—P. G. Anderson, No. 114 Stillman St.
rchitect—Chas. F. Strothoff, No. 2274 15th St.
ay's work. $8000

RESIDENCE
(2635) N FILBERT 108 W DIVISAdero W 26-6 x N 137-6. Three-story and basement residence.
Owner—Milton H. Crowe, 1742 Jones Street.
Architect—Lewis M. Gardner, 942 Pine Street.
Contractor — Cameron & Disston, Hearst Bldg.
Filed Nov. 7, '21. Dated Nov. 4, '21.
Contractor to receive total net cost plus 10%.
15th and 30th day of each month..75%
Usual 35 days 25%
TOTAL NOT TO EXCEED $15,800
Bond, $7900; sureties, Hugh L. McGevitt and Jno. C. Quinlan; forfeit, none; limit, as soon as possible. Plans and specifications filed.
NOTE:—Permit reported Nov. 1, 1921, No. 2540.

THEATRE BLDG.
(2636) SE MISSION 150 SW Brazil Ave. SW 150 SE 183-6 NE 165 NW 100 NE 25 NW 83-6, ptn. Lot 7 and all Lot 2 Blk 3, Excl. Hd. Assn. Electric work for theatre bldg.
Owner—Excelsior Amusement Co.
Architect—G. Albert Lansburgh, 709 Mission St.
Contractor—Butte Electrical Equipment Co., 530 Folsom St.
Filed Nov. 7, '21. Dated Oct. 22, '21.
All conduits in ready for wiring $1405
All wiring installed 1405
Completed and accepted..... 1405
Usual 35 days 1407
TOTAL COST, $5622
Bond, sureties, forfeit, limit, plans, specifications, none.

PLASTERING
(2637) MINNA NR. 8TH ST. Exterior plastering for sub-station and switch house extension.
Owner—Pacific Gas & Electric Co., 445 Sutter St.
Architect—None.
Contractor—Herman Bosch, 180 Jessie.
Filed Nov. 7, '21. Dated Nov. —, '21.
On completion 75%
Usual 35 days 25%
TOTAL COST, $425
Bond, $215; surety, Fidelity & Deposit Co. of Maryland; forfeit, limit, none. Plans and specifications filed.
NOTE:—Permit reported July 20, 1921, No. 1550.

RECORDED

ALTERATIONS
(2638) SW DIVISADERO & WALLER No. 195 Divisadero. All work for alterations and additions to two-story and basement frame residence
Owner—Robert R. Russ, 255 Montgomery St., San Francisco.
Architect—E. A. Neumarkel, 544 Market St., San Francisco.
Contractor—S. A. Chase, 80 Douglas St., San Francisco.
Filed Nov. 8, '21. Dated Nov. 8, '21.
Grading and concrete work of garage done $600
Completed and accepted..... 558
Usual 35 days..... 387
TOTAL COST, $1545
Bond, none. Limit, without delay. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Oct. 29, 1921, No. 2506.

REPAIRS
(2639) NO. 2001 CALIFORNIA ST. Repair fire damage to residence.
Owner—A. J. Stough, Bakersfield, Cal.
Architect—None.
Contractor—Chas. E. Urfer, No. 134 Hallock St. $500

RAISE RES., ETC.
(2640) NO. 1327 EDDY ST. Raise residence 6 ft.; concrete foundation, floor; new steps; plaster exterior, etc.
Owner—C. Lewis, No. 306-308 Sacramento St.
Architect—None.
Contractor—Theo. S. Hoin, No. 1739 Washington St. $500

RETAIN. WALL, ETC.
(2641) NE FOURTH AND HOWARD Sts. Construct reinforced concrete retaining wall for hotel; move plumbing and sidewalk electric hand elevator.
Owner — Fourth Street Co., No. 198 Fourth St.
Architect—None.
Contractor—Barrett and Hilp, No. 918 Harrison St. $500

CARPET CLNG. WORKS
(2642) NE FLOWER & SAN BRUNO Ave. One-story frame carpet cleaning works.
Owner—Clyde R. Mikesell, No. 480 Pine Street.
Architect—Plans by Owner.
Contractor—Mikesell Bros., No. 480 Pine St. $700

STORE BLDG.
(2643) N. Geary 84 E. 26th Ave. One-story and basement frame store.
Owner—Thos. Hamill, No. 707 42nd Ave.
Architect—None.
Day's work. $2000

RESIDENCE
(2644) N. IRVING 57-6 W. 24th Ave. One-story and basement frame residence.
Owner—Margurite Webster, Washington and Fillmore Sts.
Architect—None.
Contractor—Joel Johnson, No. 180 Jessie St. $3000

RESIDENCES
(2645) E. 27TH AVE. 394, 419 S. Geary. Two 1-story and basement frame residences.
Owner—Thos. Hamill, No. 707 42nd Ave.
Contractor—None.
Day's work. $4000 ea.

INST. BOILER, ETC.
(2646) E THIRD ——— N Marine. Install 10-horsepower boiler for heating repair shop and warehouse.
Owner—Shell Co. of Calif., No. 543 Sansome St.
Architect—None.
Contractor—Fisher and Wolfe Co., No. 205 Tehama St. $800

RECORDED

GARAGE
(2647) NW GEARY & 11TH AVE. N. 122-6 W 82-6 N 27-6 W 37-6 S 50 E 37-6 S 100 E 82-6. One-story concrete garage.
Owner—Jacob Weissbein, Hobart Bldg.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St.
Filed Nov. 9, '21. Dated Nov. 3, '21.
Forms in place.....$4375
Roof sheathing in place..... 4375
Completed and accepted..... 4375
Usual 35 days..... 4375
TOTAL COST, $17,500
Bond, $8750; sureties, Mrs. Anna Meyer and Nathaniel Thompson; forfeit, limit, none. Plans and specifications led.
NOTE:—Permit reported Nov. 5, 1921, No. 2598.

RESIDENCE
(2648) NE BALBOA AND FORTY-seventh Ave. Two-story and basement frame residence.
Owner—Marcus Marcussen, 801 American National Bank Bldg., S. F.
Architect—None.
Day's work. $8000

SHOP
(2649) S CLEMENT 100 W 10th Ave. One-story frame drapery shop.
Owner—H. F. Ramacciotti, Care Architect.
Architect—August G. Headman, New Call Bldg., San Francisco.
Contractor — Fontanella & Teza, 1682 Eddy St., San Francisco. $12,500

DWELLINGS
(2650) NW CHARLES AND ACADEMY and W Academy 23 N Charles. Two one and one-half-story and basement frame dwellings.
Owner—Alfred E. Hind, Colusa, Calif.
Architect—W. G. Hind, 3885 Webster St., Oakland.
Contractor — Harry W. Hind, 2012 Channing Way, Berkeley. $3000 each

RESIDENCE
(2651) W FOURTEENTH AVE 83-4 N Kirkham. One-story and basement frame residence.
Owner — R. M. Whirter, 703 Crescent Ave., San Francisco.
Plans by Owner.
Day's work. $3000

ALTERATIONS
(2652) W HYDE 70 S Union. Change location of office.
Owner—P. Micheletti.
Architect—A. G. Headman, 747 Call Bldg., San Francisco.
Contractor — Fred Moller, 180 Jessie St., San Francisco. $500

GARAGE
(2653) NW JACKSON & BUCHANAN. One-story brick private garage.
Owner—P. L. Pettigrew, Flood Bldg., San Francisco.
Architect—M. M. Bruce, Flood Bldg., San Francisco.
Contractor — M. V. Brady, Monadnock Bldg., San Francisco. $1800

ALTERATIONS
(2654) NO. 1061 MARKET. General alterations and repairs for millinery shop.
Owner—Pacific Hat Co., 818 Mission St., San Francisco.
Architect—None.
Day's work. (E. N. Kingsland, Superintendent). $600

ALTERATIONS
(2655) NO. 2626 MISSION. Remodel store for banking quarters.
Owner—Security Savings Bank, 316 Montgomery St., San Francisco.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—Daniel R. Wagner, 540 Call Bldg., San Francisco. $5000

ALTERATIONS
(2656) NO. 3241 SIXTEENTH. Rearrange rooms for two three-room flats.
Owner—E. V. Lacey, 3485 21st St., S. F.
Architect—None.
Contractor—O. E. Carlson, 180 Jessie St., San Francisco. $950

RESIDENCE
(2657) W SAN BRUNO 202 S Mariposa. Three-story and basement frame residence (third story to be left unfinished).
Owner—Martin Judnick, 594 San Bruno Ave., San Francisco.
Architect—None.
Day's work. $12,000

RESIDENCE
(2658) NE SAN ANSELMO & SANTA Clara. Two-story and basement frame residence.
Owner—Mrs. C. B. Hopkins, 1800 Grove St., San Francisco.
Architect—C. B. Hopkins, Monadnock Bldg., San Francisco.
Contractor—Mangels Bros., 4792 Mission St., San Francisco. $7000

ADDITION
(2659) NW SUTTER AND POWELL. One-story Class A addition to Physicians' Bldg.
Owner—Morris Meyerfeld Jr., Mills Bldg., San Francisco.
Architect—Frederick H. Meyer and Albin R. Johnson, 742 Market St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $53,500

STORE
(2660) S SUTTER 62-6 E Leavenworth. One-story and basement brick store.
Owner—MacDonald & Kahn, 130 Montgomery St., San Francisco.
Contractor— MacDonald & Kahn, 130 Montgomery St., San Francisco. $5500

ELECTRIC SIGN
(2661) NO. 3265 SIXTEENTH. Erect electric sign.
Owner—Pasantino, 3245 16th St., San Francisco.
Architect—None.
Contractor—Al Johnson, 3265 16th St., San Francisco. $500

FRAME FLATS
(2662) E TWENTY-FIRST AVE 250 N Geary. Two-story and basement frame (2) flats.
Owner—Joe Barrett, 627 23rd Ave., San Francisco.
Architect—None.
Day's work. $5000

ALTERATIONS
(2663) — TWENTY-FOURTH AVE 100 N Geary. Alter and construct two additional rooms to residence.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—None.
Contractor—John Morchis. $950

DWELLING
(2664)..E SIDE ULLOA AND DORchester Way. One-story and basement frame dwelling.
Owner—Louis Saroni, 652 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, Alameda. $3600

REMODELING
(2665) NO. 132 JORDAN AVE. Construct cement brick veneer front for residence; addition to sun porch.
Owner—Mrs. M. J. Greenberg, No. 132 Jordan avenue.
Architect—C. S. McNally, No. 661 Golden Gate Ave.
Contractor—Louis Kragen, No. 661 Golden Gate Ave. $3000

ADDITION, ETC.
(2666) NO. 5079 MISSION ST. Addition of one story; plumbing, etc. (dwelling).
Owner—J. P. Cuneo, No. 5079 Mission Street.
Contractor—J. P. Cuneo, No. 5079 Mission St. $1300

ADDITION, ETC.
(2667) NO. 562 26TH AVE. Addition of one room to residence; add toilet; build replace; enlarge garage.
Owner—Mrs. E. J. Margett, No. 562 26th Ave.
Architect—None.
Day's work. $500

STOREHOUSE
(2668) NO. 75 CLARA STREET. Adjoining. One-story frame storehouse.
Owner—J. Matsger, No. 75 Clara St.
Architect—None.
Day's work. $1000

APARTMENTS
(2669) NE GEARY AND LEAVENworth. Four-story and basement brick (31) apartments.
Owner—Joseph Cahen, James Oppenheimer and J. A. Cooney, care of Architect.
Architect—Sylvain Schnaittacher, No. 233 Post St.
Day's work. $75,000

REMODELING
(2670) NO. 410 GEARY ST. New glass front; marble base; tile flooring for store.
Owner—St. Francis Realty Co., No. 410 Geary St.
Architect—W. H. Weeks, No. 75 Post Street.
Contractor—Braas and Kuhn Co., No 1919 Bryant St. $926

RESIDENCE
(2671) S HIDALGO TERRACE 80 E Dolores. One-story and basement frame residence.
Owner—Mrs. W. F. Pengelly, No. 517 4th Ave.
Architect—None.
Contractor—John E. Pranagle, No. 517 4th Ave. $3000

FINISH APTS.
(2672) NO. 1441 JONES ST. Finish 2 apartments in lower floor of present apartment house.
Owner—A. Lipman, No. 216 Russ Bldg.
Architect—None.
Contractor—Geo. C. Todhunter, No. 1088 Ashbury St. $4000

GARAGE
(2673) SE MARKET 7-4¾ E. of Estly line of Collingswood. One-story frame (private) garage.
Owner—D. H. Wulzen, No. 410 Castro Street.
Architect—Sylvain Schnaittacher, No. 233 Post St.
Contractor—None stated. $1200

FLATS
(2674) E NINTH AVE 75 N Fulton. Two-story and basement frame (2)ts.
Owner—M. McDonough, No. 22 Fairmount St.
Architect—None.
Day's work. $9000

EXCAVATION, ETC.
(2675) NO. 218 PRESIDIO AVE. Excavation and cement work for private garage; new plumbing, etc.
Owner—G. Moriconi, No. 2200 Larkin Street.
Architect—None.
Day's work. $1000

FLATS
(2676) NW RANDALL AND WHITney. Two-story and basement frame (2) flats.
Owner—Paul Pipper, No. 140 Ellis St.
Architect—Paul Piper, No. 140 Ellis Street.
Day's work. $2600

RESIDENCE
(2677) W SAN BRUNO AVE. 50 N Ordway. One-story and basement frame residence.
Owner—Martha H. Baldwin, No. 3340 San Bruno Ave.
Designer—N. T. Giacanini, No. 3340 San Bruno Ave.
Contractor—Gasperetti and Sponza, No. 3340 San Bruno Ave. $2250

STORE FRONT
(2678) NO. 2224 UNION ST. Construct plate glass and marble store front.
Owner—Frank Mikels and J. P. Basler, No. 2306 Union St.
Architect—None.
Contractor — Mullen Manufacturing Co., NOS. 64-68 Rausch St. $550

RECORDED

REPAIRS

(2679) NE FOLSOM & LANGTON N 80 x E 80. Repairs to 3-story brick warehouse building.

Owner—Alice N. and Harry H. Wilkins, Extr. est. Louise N. Wilkins, deceased.

Architect—Albert Farr, 68 Post St.

Contractor—E. Ellingson, 180 Jessie Street.

Filed Nov. 10, '21. Dated Nov. 10, '21. 15th and 30th of each month....75%
Usual 35 days 25%
TOTAL COST, $2600

Bond, $1350; surety, New Amsterdam Casualty Co.; forfeit, none; limit, 60 days. Plans, none; specifications filed.

EXCAVATING, ETC.

(2680) S PINE 87-6 E Jonees S 137-6 E 50. Excavations, concrete and cement work, galv. iron and roofing, carpentry, hardware, glazing, lath and plastering, electric work, plumbing, painting for a one-story frame store building.

Owner—Mary Rocca, 720 Powell St.

Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.

Contractor—J. Martinelli, 180 Jessie St., San Francisco.

Filed Nov. 10, '21. Dated Nov. 9, '21.
Excavated and foundations in place $1237.50
Frame and roof boarded.... 1237.50
Plumbing roughed, browned 1237.50
Completed and accepted.... 1237.50
Usual 35 days 1650.00
TOTAL COST, $6600.00

Bond, $3300; sureties, Frank L. Martinelli and S. A. Firko; forfeit, $10 day; limit, 90 days. Plans and specifications filed.

MET. FURRING, ETC.

(2681) E CASTRO 100 S 17th S 99-9 E 80 S 75-3 E 68 N 175 E 148. Metal furring and lathing, plastering and carting for New Castro Theatre.

Owner—Nasser Bros.

Architect—Timothy L. Pflueger, Lick Bldg., San Francisco.

Contractor—Hermann Bosch, 180 Jessie St., San Francisco.

Filed Nov. 10, '21. Dated Nov. 9, '21. Fifth day of each month.....75%
Usual 35 days 25%
TOTAL COST, $27,675

Bond, $13,837; sureties, Stephen I. Guerin and Leonard Bosch; forfeit, $25 day; limit, 75 days. Plans and specifications filed.

FLATS

(2682) W 15TH AVE 175-5 S Geary S 28 x W 120. Two-story and basement frame (2) flats.

Owner—James H Callahan, 508 Scott Street.

Architect—H. C. Baumann, 251 Kearny Street.

Contractor—A. L. Thulin Co.

Filed Nov. 10, '21. Dated Nov. 5, '21.
Second floor joists in place....$2128
Rustic and roof on..... 2128
Brown coat mortar on..... 2128
Completed and accepted..... 2128
Usual 35 days 2838
TOTAL COST, $11,350

Bond, $5675; sureties, O. F. Larson and Carl Anderson; forfeit, none; limit, 90 days. Plans and specifications filed.

NOTE:—Permit also applied for today.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Nov. 2, 1921—N ANZA 100 W 16th Ave W 50xN 100. Maurice Aron to to J S Malloch.....Nov. 7, 1921

Nov. 9, 1921—W SANSOME 46-10½ to or I N Sutter N 91-6xW 122-9 The Anglo & London-Paris National Bank to C A Blume.Nov. 8, '21

Nov. 10, 1921—N VALLEJO 50 E Buchanan E 25 N 137-6 W 35 S 137-6. Mrs Helene Mauberret and Mrs. Marie Knapp to Wm McIntosh .....Nov. 10, 1921

Nov. 10, 1921—N TWENTY-NINTH 80 E Noe E 25xN 101-6. Wm O'Malley and Catherine O'Malley to whom it may concern..Nov. 9, 1921

Nov. 10, 1921—SE GOLDEN GATE Ave and Jones E 162-6 S 181-7½ SW 152-9 W 32-10½ N 275 Famous Players Lasky Corp of Calif to Conlin & Roberts.....Nov. 5, 1921

Nov. 9, 1921—SW 19TH AVE & LAKE 32-6 x 100. Edw. Ginley to whom it may concern.....Nov. 9, 1921

Nov. 9, 1921—N FULTON 82-6 E 23rd Ave E 25xN 100. Gustave Moeller to Theodore G and Rollin E Meyer .....Nov. 8, 1921

Nov. 9, 1921—W TWENTY-SECOND Ave 25 N Fulton N 25xW 82-6. Gustave Moeller to Theodore G and Rollin E. Meyer.....Nov. 8, 1921

Nov. 9, 1921—N O'FARRELL 112-6 W Leavenworth 25x68-9. E V Lacey to Monson Bros.....Nov. 9, 1921

Nov. 9, 1921—W THIRTY-THIRD AV 225 S Geary S 25xW 120. Sol Getz & Sons to Day Thorsell..Nov. 7, 1921

Nov. 4, 1921—E EIGHTEENTH AVE 175 S Anza. Mrs. H Cantrowith to D J Dolan.....Nov. 2, 1921

Nov. 8, 1921—W GUERRERO 80 N Valley N 25 x 100. Rebecca Davis to whom it may concern..Nov. 3, 1921

Nov. 8, 1921—LOT 44 BLK 10, Lakeview. Anton G. Stroh to whom it may concern .....Nov. 8, 1921

Nov. 5, 1921—W. MONTGOMERY 75 N Post W 160 x N 100. The First National Bank of San Francisco to Jno. Grace and E. N. Bernieri.... .....Nov. 5, 1921

Nov. 5, 1921—E LEVANT 150 S STATE 25 x 152 Lot 23 Lyon & Hoag Sub. Geo. Mostabinich to whom it may concern ..Nov. 4, 1921

Nov. 7, 1921—NW ACADEMY 47 NE Charles NE 24 x NW 92 ptn lots 7, 8, 9, and 10 Blk 17 Fmt. Tract. Alfred E. Hind to Harry W. Hind.. ..... Nov. 4, 1921

Nov. 7, 1921—NW ACADEMY 71 NE Charles NE 24 x NW 92 ptn Lots 7 to Blk 10, Fmt. Tract. Alfred E. Hind to Harry W. Hind..Nov. 4, 1921

Nov. 7, 1921—NW PIERCE & POST W 37-6 x N 87-6 No. 2100, 2102 Post. Esreal Singer to whom it may concern.....Nov. 5, 1921

Nov. 7, 1921—SW 27TH AVE & ANza. J. Harold Johnson to whom it may concern .....Nov. 5, 1921

Nov. 7, 1921—N GROVE 81-4 SHRADER W 25 x N 100. Jos. Seagrave to A. M. Marson.....Nov. 5, 1921

Nov. 7, 1921—LOTS 6, 7, 8, BLK 3112, Westwood Park. Linnie Morris to Gordon W. Morris.....Nov. 3, 1921

Nov. 7, 1921—N CLAY BET. WEBster and Buchanan. The Board of Trustees of the Leland Stanford Jr. University to Alta Roofing Co.... .....Nov. 4, 1921

Nov. 7, 1921—SW 27TH AVE & ANza. J. Harold Johnson to whom it may concern.....Nov. 5, 1921

Nov. 5, 1921—W MISSOURI 118-5⅝ S 16th S 60 W 100. Real Estate & Development Co. to Ira W. Coburn. .....Nov. 1, 1921

Sept. 5, 1921—NW LAGUNA AND Washington N 159-8¼ x W 137-6 S 32 W 82-6 S 127-8¼ E 225. Mary Ives Crocker to Gurnette & Chandler .....Oct. 28, 1921

Nov. 3, 1921—BLK BOUNDED BY 3rd, 4th, Berry and Channel Sts. Southern Pacific Co. to W. S. Dinwiddie .....Nov. 1, 191

Nov. 4, 1921—W 4TH AVE 275 N Geary N50 x W120. Congregation Beth Sholan to J S. Molloch..... .....Nov. —, 1921

Nov. 4, 1921—W 11TH AVE 150 S Cabrillo S 25 x W 120. James A. White and Mary Hildebrant to whom it may concern...Nov. 4, 1921

Nov. 4, 1921—E 11TH AVE 175 S Anza. Mrs. H. Cantrowith to D J. Dolan .....Nov. 2, 1921

Nov. 4, 1921—E 18TH AVE. 200 S Anza. D. J. Dolan to whom it may concern .....Nov. 4, 1921

Nov. 3, 1921—E STEINER 25 S Chestnut 25 x 100. S. Ferroni and D. Ferroni to whom it may concern .....Oct. 31, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Nov. 10, 1921—S WASHINGTON 106-3 E Lyon E 25xS 127-8¼. Wm O Purdy vs Alice E G Cunningham.. .....$528.08

Nov. 10, 1921—S CLAY 167-6 W Laguna W 30xS 127-8¼. W P Fuller & Co vs F A Legault, J F Dunn and Esther J Mitchell.....$284

Nov. 5, 1921—W EIGHTH AVE 200 S Lake S 25xW 125. A E Disston vs Irene Valentine $274

Nov. 4, 1921—N PINE 77-6 W GRANT Ave. W 60 x N 60. Central Iron Works vs Wm. A. Hench.....$——

Nov. 4, 1921—N PINE 77-6 W GRANT Ave. W 60 x N 60. Thomas McKee and Jas. McKee vs Wm. A. Hench and Ratto & Ratto.....$——

Nov. 4, 1921—SE FAIR AVE & COLEridge S 39-8 x E 122-6. B. Melano vs John Schulz and Lottie Birrell $355.20

Nov. 2, 1921 — W STANYAN, 283-2¾ S San Miguel Rancho, S 25-11 x W 120, portion Block B, Map 1, Sutro's Addn, $107.28; W Stanyan 360-11¾ S San Miguel Rancho, S 25-11x W 120, portion of Block B, Map 1, Sutro Addn, $107.28; W Stanyan, 335-0¾ S San Miguel Rancho, S 25-11xW 120, ptn Blk B, Map 1, Sutro's Addn, $107.28; W Stanyan, 205-5¾ S San Miguel Rancho, S 25-11xW 120, ptn Blk A, Map 1, Sutro's Addn, $107.28; W Stanyan, 488-8¾ S San Miguel Rancho, S 25xW 120, ptn Blk B, Map 1, Sutro's Addn, $107.28; W Stanyan, 513-8¾ S San Miguel Rancho, S 25xW 120, ptn Blk B, Map 1, Sutro's Addn, $107.28; W Stanyan, 205-5¾ S San Miguel Rancho, W 181-5xW120, ptn Blks A and B, Map 1, Sutro's Addn; W Stanyan, 488-8¾ S San Miguel Rancho, W 50xW 120, ptn Blk B, Map 1, Sutro's Addn, $965.55; W Stanyan, 309-1¾ S San Miguel Rancho, S 25-11xW 120, ptn Blk B, Map 1, Sutro's Addn, $107.28; W Stanyan, 257-3¾ S San Miguel Rancho, S 25-11xW 120, ptn Blk B, and a strip of land lying between Blks A and B, Map 1, Sutro's Addn, $107.28; W Stanyan, 231-4¾ S San Miguel Rancho, S 25-11xW 120, ptn Blk A and a strip of land lying between Blks A and B, Map 1, Sutro's Addn, $107.28. Jas. E. Lennon Lime and Cement Co Corp vs Henrietta L B Sutro, A. G. Sutro and Thos. Carroll.....

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Nov. 4, 1921—N PINE 77-6 W GRANT Ave. W 60 x N 60. Mallott & Peterson vs Wm. A. Hench..$124.36

Nov. 4, 1921—N PINE 77-6 W GRANT Ave. W 60xN60. Hart & Burmeister vs Wm. A. Hench, partial release. $1655.79

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Nov. 10, 1921—SE BAY & MASON E 22-11 S 60 W 22-11 W 60. Anna Gudehus as to improvements on property .....
Nov. 10, 1921—NW THIRD & MISSION 85x107. A Aronson as to improvements on property.....
Nov. 9, 1921—S SACRAMENTO 275 E Arguello Blvd E 50xS 133-1½. Eugene and Georges Le Roy as to improvements on property.....
Nov. 9, 1921—E FORTY-SIXTH AVE 250 S Cabrillo S 25xE 120. W H and Annie E Reilly as to improvements on property .....

ARCHITECT'S CERTIFICATE

NOVEMBER 3, 1921

Fred W. Quandt has filed his certificate of architecture for San Francisco County, State of California.

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
3879	Franck	Bertelsen	450
3880	Nor	Owner	1500
3881	Lennon	Rutherford	9000
3882	Emeryville	Rutherford	3500
3883	MacMurty	Owner	2900
3884	Associated	Healy	3704
3885	Korte	Poulter	6950
3886	Santos	Santos	3000
3887	Volkel	Westlund	750
3888	Dewer	Owner	6500
3889	Cormack	Owner	4000
3890	Wishart	Wishart	2850
3891	Bernard	Owner	525
3892	Bell	Owner	1150
3893	Presby. Ch.	Littlefiled	19368
3894	Berkeley	Texdahl	6600
3895	Webb	Porter	6000
3896	Martin	Mason	700
3897	Wilkinson	McCord	4600
3898	Brewer	McGregor	4000
3899	Wolcott	Owner	4500
3900	Pfrang	Owner	4000
3901	Long	Owner	4200
3902	Page	Owner	1000
3903	Hutton	Glasgow	900
3904	Martin	Schneider	3500
3905	Davis	Owner	3800
3906	Mills	Owner	5000
3907	Ammuzzio	Wessel	8000
3908	Fish	Wiser	4000
3909	Short	Short	4500
3910	Henrickson	Johnson	3000
3911	Norwood	Owner	1500
3912	Ayers	Carson	450
3913	Lowe	Owner	550
3914	Christensen	Owner	2500
3915	Thompson	Graves	4000
3916	Heroux	Howdin	2500
3917	Otradovsky	Hamilton	4000
3918	Korte	Poulter	6715
3919	S. P.	Hutchinson	....
3920	Poloche	Mason	8000
3921	Fox	Estey	2300
3922	Anderson	Smith	1800
3923	Bkly Bd. Ed.	Various	19400
3924	Porep	Rockingham	3300
3925	Same	Same	500
3926	Reed	Grant	550
3927	Bowen	Owner	2000
3928	Gambarini	Owner	4490
3929	Seagrave	Owner	1350
3930	Jacobs	Randlett	4500
3931	Mead	Cuthbertson	1500
3932	Noble	Owner	4000
3933	Kist	Christensen	4800
3934	Bertelsen	Cook	550
3935	Depolo	Lilley	450
3936	Haynee	Marshall	1500
3937	Brennan	Owner	3500
3938	Peterson	Clarke	2800
3939	Brennan	Graybill	3000
3940	Mazzagatto	Owner	400
3941	Adams	Owner	4000
3942	Johanson	Owner	750
3943	Alexander	Orton	950
3944	Johnson	Hansford	1500
3945	Schulz	Owner	3000
3946	Scott	Scott	400
3947	Leson	Owner	500
3948	Foster	Owner	4500
3949	Pavert	Owner	15800
3950	Ward	Owner	2500
3951	Ingalls	Thaxter	500
3952	Trimble	Henderson	3750
3953	Brazier	Owner	2500
3954	McKibben	Koch	400
3955	Pavert	Owner	3950
3956	Anderson	Mason	3000
3957	Anderson	Owner	7500
3958	Gow	Owner	750
3959	Smith	McWethey	5000
3960	Pfrang	Owner	5000
3961	Kinney	Owner	4000
3962	Johnson	Owner	3500
3963	Rodgers	Owner	400
3964	Bradovich	Owner	400
3965	Short	Pitkanen	800
3966	McKenney	Bullock	1500
3967	Havercroft	Owner	400
3968	Litchfield	Owner	500
3969	Blabon	Owner	1800
3970	Norris	Owner	2400
3971	Ramme	Owner	3000
3972	McCarthy	Gossett	550
3973	Chalmers	Owner	350
3974	Woolsey	Butterfield	8000
3975	Meckel	Bixby	3000
3976	Bertheaud	Owner	4000
3977	Peppin	Owner	4300
3978	Peppin	Owner	8700
3979	Peppin	Owner	8400
3980	Johnson	Owner	4500
3981	Leroy	Rutherford	3600
3982	Carlson	Owner	400
3983	Rosefield	Petersen	3750
3984	Bilodeau	Rich	7650
3985	Taylor	Anderson	3000
3986	Lewis	Schmidt	400
3987	Baker	Owner	4950
3988	Smilie	Owner	400
3989	Minney	Owner	1800
3990	Rominia	Ahlman	1400
3991	Johnston	Smith	500
3992	Gracier	Owner	2500
3993	Glantz	Owner	6000
3994	Pacific	Manus	6190
3995	Waas	Nunes	15000

PERMITS

ALTERATIONS
(3879) 406 BELLEVUE AVE., Oakland. Alterations.
Owner—H. W. Franck.
Architect—None.
Contractor—S. J. Bertelsen, 30 Estrella Ave., Piedmont. $450

ALTERATIONS
(3880) W BROADWAY 100 N Hobart St., Oakland. Alterations.
Owner—Dr. August Nor, Dalziel Bldg., Oakland.
Architect—Miller & Warnecke, Perry Bldg., Oakland.
Day's work. $1500

FLATS
(3881) N CHENEY AV 100 E Walker Ave., Oakland. Two-story 14-room flats.
Owner—Mark and G. Lennon, 1458 Madison St., Oakland.
Architect—None.
Contractor—Thos Rutherford, 985 35th St., Oakland. $9000

DWELLING
(3882) S 55TH ST 100 W Fremont St., Oakland. One-story 5-room dwelling.
Owner — Emeryville Investment Co., 3856 San Pablo Ave., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Thos. Rutherford, 985 35th St., Oakland. $3500

DWELLING
(3883) N YGNACIO AVE 180 W 45th Ave., Oakland. One-story 4-room dwelling.
Owner—A. B. MacMurty, 1512 27th Ave., Oakland.
Architect—None.
Day's work. $2900

RECORDED

BULKHEAD
(3884) WEST ALAMEDA, Alameda. Construct bulkhead.
Owner—Associated Oil Co.
Engineer—L. D. Jure.
Contractor—Healy-Tibbitts Construction Co., 9 Main St., San Francisco.
Filed Nov. 4, '21. Dated Oct. 20, '21.
10 days after completion and acceptance 75%
Usual 35 days 25%
TOTAL COST, $3704.75
Bond, $3650; surety, National Surety Co.; forfeit, limit, none. Specifications, none. Plans filed.

FLATS
(3885) N 44TH ST 439 E Telegraph, Oakland. Two-story 8-room flats.
Owner—Rudolph J. Korte.
Architect—None.
Contractor—Frank P. Poulter, 4322 San Pablo Ave., Oakland. $6950

DWELLING
(3886) S E-20TH ST 100 E 17th Ave., Oakland. One-story 5-room dwelling.
Owner—J. Santos, 2218 14th Ave., Oakland.
Architect—None.
Contractor — L. Santos, 1818 E. 17th St., Oakland. $3000

SERVICE STATION
(3887) SE COR 54TH AVE & E 14TH St., Oakland. One-story brick service station.
Owner—Chris Volkel, San Francisco.
Architect—None.
Contractor—Fred J. Westlund, 351 12th St., Oakland. $750

FACTORY
(3888) NE COR 42ND AVE & E 14TH St., Oakland. One-story tile factory.
Owner—Dewer-Matheny Sash & Door Co., 4208 E. 14th St., Oakland.
Architect—None.
Day's work. $6500

DWELLING
(3889) SE COR 42ND ST & SHAFTER Ave., Oakland. One-story 6-room dwelling.
Owner—R. Cormack.
Architect—None.
Day's work. $4000

DWELLING
(3890) W BAKER ST 80 N 62nd St., Oakland. One-story 5-room dwelling.
Owner—H. R. Wishart, 1074 62nd St., Oakland.
Architect—None.
Contractor—John Wishart, 1074 62nd St., Oakland. $2850

ALTERATIONS
(3891) 2031 FRUITVALE AVE., Oakland. Alterations.
Owner—Jos. Bernard, 616 Jackson St., Oakland.
Architect—None.
Day's work. $525

ADDITION
(3892) 2229 85TH AVE., Oakland. Addition.
Owner—L. Bell.
Architect—None.
Day's work. $1150

CHURCH BLDG.
(3893) SW COR HIGH ST & YGNACIO Ave., Oakland. One-story church building.
Owner—Presbyterian Church Assn.
Architect — Julia Morgan, Merchants Ex. Bldg., San Francisco.
Contractor—R. W. Littlefield, 357 12th St., Oakland. $19,368

DWELLINGS
W LENOX AVE 350 N Grand Ave., Oakland. Two 1-story 5-room dwellings.
Owner—Mrs. Mary E. Astrue, Oakland.
Architect—None.
Contractor—H. C. Andresen, 1129 Pearl St., Alameda. $4430 ea.
NOTE:—Recorded contract reported Nov. 2, 1921, No. 3818.

ALTERATIONS
HOWE AND MATHER STS., Oakland. Alterations.
Owner—Oakland Crematory.
Architect—Chas. McCall, Central Bank Bldg., Oakland.
Contractor—H. C. Andresen, 1129 Pearl St., Alameda. $2400
NOTE:—Recorded contract reported Oct. 27, 1921, No. 3754.

DWELLINGS
(3894) W ACTON 365-405 S Addison, Berkeley. Two 1-story 5-room dwellings.
Owner—Berkeley Bank of Sav. & Trust Co., Berkeley.
Architect—None.
Contractor—C. Texdahl, 5375 Belgrave Place, Oakland. $3300 ea.

DWELLING
(3895) S HILLCOURT 220 E Euclid Ave., Berkeley. One-story 7-room dwelling.
Owner—Earll Webb, 1539 Hawthorne, Berkeley.
Architect—None.
Contractor—H. H. Porter, 2616 Cedar, Berkeley. $6000

ALTERATIONS
(3896) 2826 KELESEY ST., Berkeley. Alterations.
Owner—J. O. Martin, Premises.
Architect—None.
Contractor—Mason, McDuffie Co., Shattuck and Addison, Berkeley. $700

DWELLINGS
(3897) 1601 AND 1607 KARNS AVE., Berkeley. Two 1-story 4-room dwellings.
Owner—Joseph H. Wilkinson, 1826 San Antonio Ave., San Leandro.
Architect—None.
Contractor—J. J. McCord, 4323 E. 14th St., Oakland. $2300 ea.

DWELLING
(3898) 2724 MABEL ST., Berkeley. One-story 6-room dwelling.
Owner—R. J. Brewer, 1284 6th St., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—J. MacGregor, 731 60th St., Berkeley. $4000

DWELLING
(3899) N. ARIMO AVE. 350 W. Walla Vista, Oakland. One-story 6-room dwelling.
Owner—H. E. Wolcott, 1130 Broadway.
Architect—None.
Oakland.
Day's work. $4500

DWELLING
(3900) E. BROADWAY 300 N. Broadway Terrace, Oakland. One-story 5-room dwelling.
Owner—C. J. Pfrang, 5448 Locksley Ave., Oakland.
Architect—None.
Day's work. $4000

DWELLINGS
(3901) E. 87TH AVE. 120, 150, 180 S. D St., Oakland. Three 1-story 4-room dwellings.
Owner—R. F. Long, 3213 E. 14th St., Oakland.
Architect—None.
Day's work. $1400 ea.

GARAGES
(3902) S. HARVEY AVE. 175 W. 57th Two garages.
Owner—M. Page, 2060 55th Ave.
Architect—None.
Day's work. $500 ea.

ADDITION
(3903) NW COR. KENMORE & FAIRbanks, Oakland. Addition.
Owner—Mary H. Hutton, Premises.
Architect—None.
Contractor—D. L. Glasgow, 2436 Durant Ave., Berkeley. $900

DWELLING
(3904) E. LINCOLN AVE. 200 N. Hopkins St., Oakland. One-story 5-room dwelling.
Owner—C. E. Martin, 3555 Lincoln Ave Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Contractor—J. Schneider, 2934 West St., Oakland. $3500

DWELLING
(3905) W. LINWOOD AVE. 215 N. E-38th St., Oakland. One-story 5-room dwelling.
Owner—Geo. B. Davis, 3283 Hyde, Oakland.
Architect—None.
Day's work. $3800

SCHOOL BLDG.
(3906) MILLS COLLEGE, Oakland. One-story 5-room school bldg.
Owner—Mills College.
Architect—None.
Day's work. $5000

ALTERATIONS
(3907) 332 MARKET ST., Oakland. Alterations.
Owner—J. Ammuzzio, Premises.
Architect—None.
Contractor—Harry Wessel, 794 11th St., Oakland. $800

DWELLING
(3908) N. PARK BLVD. 300 E. Van Dyke, Oakland. One-story 5-room dwelling.
Owner—L. C. Fish, Oakland.
Architect—None.
Contractor—Gordon Wiser, 1533 Virginia St., Berkeley. $4000

DWELLING
(3909) N. ROSAL AVE. 150 W. Lakeshore, Oakland. One-story 5-room dwelling.
Owner—Louise H. Short, 574 Rosal Ave., Oakland.
Architect—None.
Contractor—C. W. Short. $4500

DWELLING
(3910) W. RITCHIE ST. 280 S. Foothill Blvd., Oakland. One-story 6-room dwelling.
Owner—M. Henrickson, 2459 Ritchie St., Oakland.
Architect—None.
Contractor—L. O. Johnson. $3000

ALTERATIONS
(3911) 6466 REGENT ST., Oakland. Alterations.
Owner—C. D. Norwood, Premises.
Architect—None.
Day's work. $1500

GARAGE
(3912) 488 STOWE AVE., Oakland. Garage.
Owner—Frank Ayers,
Architect—None.
Contractor—John Carson, 50 Yosemite Ave., Oakland. $450

ADDITION
(3913) SCHOOL ST. AND LAUREL Ave., Oakland. Addition.
Owner—O. E. Lowe, 3300 School St., Oakland.
Architect—None.
Day's work. $550

DWELLING
(3914) S. SCENIC AVE. 400 E. Lincoln Ave. One-story 5-room dwelling.
Owner—I. Christensen, 1545 6th Ave., Oakland.
Architect—None.
Day's work. $2500

ADDITION
(3915) 602 35TH ST., Oakland. Addition.
Owner—H. R. Thompson, Premises.
Architect—None.
Contractor—M. P. Graves, 585 20th St., Oakland. $4000

ALTERATION
(3916) 926 WASHINGTON ST., Oakland. Alteration.
Owner—F. A. Heroux, 1447 Broadway, Oakland.
Architect—None.
Contractor—Robert Howden & Son, Webster St., Oakland. $2500

DWELLING
(3917) S. WENTWORTH AVE. 500 E. 54th Ave., Oakland. One-story 6-room dwelling.
Owner—R. F. Otrodovsky, 1457 73rd Ave., Oakland.
Architect—None.
Contractor—A. L. Hamilton, 3041 Eastman Ave., Oakland. $4000

RECORDED

FLATS
(3918) LOT 32 MAP SANTA FE TRCT No. 17, being N 44th St. 439-11 E.-Telegraph E. 40 N. 107, Oakland. Two-story frame flats.
Owner—Rudolph John Korte, Oakland.
Architect—Samuel Arnold.
Contractor — Frank P. Poulter, 4322 San Pablo Ave., Emeryville.
Filed Nov. 7, '21. Dated Nov. 4, '21.
Sheathed ..... ¼
Plastered ..... ¼
Completed and accepted..... ¼
Usual 35 days ..... ¼
TOTAL COST, $6715
Bond, sureties, forfeit, none; limit, 70 days. Plans and specifications filed.
NOTE:—Permit reported Nov. 7, 1921, No. 3885.

GRADING, ETC.
(3919) STONEHURST, Oakland. Grading, concrete pavement and oil macadam.
Owner—Southern Pacific Railway Co.
Architect—None.
Contractor—Hutchinson Co., Hutchinson Bldg., Oakland.
Dated Nov. 7, '21. Filed Nov. 5, '21.
Each month 25%
Usual 35 days 75%
TOTAL COST, $——
Oil macadam, 12½c per sq. ft.
Asph. coner, pavement, 40c per sq. ft.
Grading, 70c per cu. yd.
Bond, $3100; surety, Globe Indemnity Co.; forfeit, none; limit, 60 days. Plans, none; specifications filed.

DWELLING
(3920) NO 16 BROOKSIDE DRIVE, Berkeley. Two-story 7-room dwlg.
Owner—Mrs. E. L. Poloche.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Contractor—Mason McDuffie Co., Shattuck and Addison Sts., Berkeley. $8000

DWELLING
(3921) N BERKELEY WAY 250 E West Berkeley. One-story 5-room dwlg.
Owner—Henrietta Fox, 1349 Hearst Ave., Berkeley.
Architect—None.
Contractor — G. F. Estey, 1815 Hearst Ave., Berkeley. $2300

DWELLING
(3922) E GRANT 80 N Vine, Berkeley. One-story 4-room dwelling.
Owner—Mrs. Johana Anderson, 2229 McKinley, Berkeley.
Architect—None.
Contractor—Lew Smith, 2203 McKinley St., Berkeley. $1800

SHOP
(3923) SE OREGON AND GRANT STS., Berkeley. One-story Class C shops.
Owner—Board of Education.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Sub-Contracts $19,400

DWELLING
(3924) NO. 1800 ALAMEDA AVE., Alameda. One-story 4-room dwlg.
Owner—C. L. Porep, 2002 Alameda Ave., Alameda.
Architect—None.
Contractor—J. H. Rockingham, 2306 San Jose Ave., Alameda. $3300

DWELLING
(3925) NO. 2012 ENCINAL AVE., Alameda. One-story 4-room dwelling.
Owner—Chas. Porep, 2002 Alameda Ave., Alameda.
Architect—None.
Contractor— Leo Kochendorfer, 2204 Lincoln Ave., Alameda. $500

ALTERATIONS
(3926) NO. 1900 CLINTON AVE., Alameda. Alterations.
Owner—A. L. Reed, 913 Lafayette St., Alameda.
Architect—None.
Contractor—C. N. Grant, 764 56th St., Oakland. $550

DWELLING
(3927) NO. 1401 FERNSIDE BLVD., Alameda. One-story 4-room dwlg.
Owner—P. M. Bowen, 2256 Central Ave., Alameda.
Architect—None.
Day's work. $2000

DWELLING
(3928) NO. 2507 LINCOLN AVE., Alameda. One-story 6-room dwelling.
Owner—B. Gambarini, 1537 Everett St., Alameda.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Day's work. $4490

ALTERATIONS
(3929) NO. 805 PORTOLA AVE., Alameda. Alterations.
Owner—M. M. Seagrave, Premises.
Architect—None.
Day's work. $1350

DWELLING
(3930) NO. 1169 PARK ST., Alameda. One-story 6-room dwelling.
Owner—A. Jacobs, Brigge Av., Alameda
Architect—None.
Contractor—E. A. Randlett, 1534 Chestnut St., Alameda. $4500

ALTERATIONS
(3931) NO. 1425 PARK ST., Alameda. Alterations.
Owner—O. V. Mead & Co.
Architect—None.
Contractor—F. A. Cuthbertson, 1766 12th Ave., San Francisco. $1500

DWELLING
(3932) NO. 1025 PEARL ST., Alameda. One-story 6-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $4000

DWELLING
(3933) NO. 1827 SANTA CLARA AVE., Alameda. One-story 5-room dwlg.
Owner—A. Kist, 2101 Eagle Ave., Ala.
Architect—None.
Contractor—A. C. Chistensen, 78 Glen Ave., Alameda. $4800

ALTERATIONS
(3934) NO. 1630 SHERMAN ST., Alameda. Alterations.
Owner—C. J. Bertelsen, Premises.
Architect—None.
Contractor—L. Cook, 1207 Union St., Alameda. $550

STORE BLDG.
(3935) E. ADELINE ST. 50 N. 10th St., Oakland. One-story store.
Owner—Victor V. Depolo.
Architect—None.
Contractor—G. E. Lilley, 1036 Central Ave., Alameda. $450

GARAGE
(3936) S. E-12TH ST 78 W. 4th Ave., Oakland. One-story hollow tile garge.
Owner—Clara Haynee, 325 E. 12th St., Oakland.
Architect—None.
Contractor—W. C. Marshall, Bacon Bldg., Oakland. $1500

DWELLING
(3937) E. ELSTON AVE. 200 N. E-38th St., Oakland. One-story 5-room dwelling.
Owner—J. P. Brennan, 1519 Hearst Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING, ETC.
(3938) S. FOOTHILL BLVD. 35 from Seminary, Oakland. One-story 4-room dwelling and store.
Owner—E. M. Peterson, 5600 Foothill Blvd., Oakland.
Architect—None.
Contractor—Clarke & Allan, 5805 Harmon Ave., Oakland. $2800

DWELLING
(3939) S. 45TH ST. 50 E. Shafter, Oakland. One-story 5-room dwelling.
Owner—M. Brennan, Federal Bldg., Oakland.
Architect—M. Newsom, Federal Bldg., Oakland.
Contractor—Wm. Graybill. $3000

DWELLING
(3940) S HILLCREST 700 W Scott St., Oakland. One-story 2-room dwlg.
Owner — Pietro Mazzagatti, 2062 87th Ave., Oakland.
Architect—None.
Day's work. $400

DWELLINGS
(3941) S MAINE 135 and 175 W Maple Ave., Oakland. Two one-story 4-room dwellings.
Owner—C. L. Adams, 3118 Maine St., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Day's work. $2000 each

DWELLING
(3942) E MAGEE AVE 120 N Hopkins, Oakland. One-story 2-room dwlg.
Owner—Victor Johanson, 2029 E-22nd St., Oakland.
Architect—None.
Day's work. $750

DWELLING
(3943) NE NEY AND RITCHIE, Oakland. One-story 3-room dwelling.
Owner—M. Alexander.
Architect—None.
Contractor—A. E. Orton, 68th Ave. and Trenor St., Oakland. $950

DWELLING
(3944) S NOBLE 100 E 61st Ave., Oakland. One-story 4-room dwelling.
Owner—R. Johnson, 1630 61st Ave., Oakland.
Architect—None.
Contractor—W. Hansford, 1712 Oak St., Alameda. $1500

DWELLING
(3945) E RHODA AVE 684 N Carnel, Oakland. One-story 5-room dwlg.
Owner—A. J. Schulz, 4006 Rhoda Ave., Oakland.
Architect—None.
Day's work. $3000

GARAGE
(3946) W TWENTY-THIRD 115 E San Pablo Ave., Oakland. Garage.
Owner—Alice M. Scott.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland. $400

ALTERATIONS
(3947) NO. 720 THIRTY-THIRD ST., Oakland. Alterations.
Owner—Leson & Grutsch, 610 35th St., Oakland.
Architect—None.
Day's work. $500

DWELLING
(3948) SW ARLINGTON AND SAN Antonio, Berkeley. Two-story five-room dwelling.
Owner—Geo. W. Foster, 211 40th St., Oakland.
Architect—None.
Day's work. $4500

DWELLINGS
(3949) 1600, 1608, 1625, 1629 BUENA Ave., Berkeley. Four one-story 5-room dwellings.
Owner—R. J. Pavert, 1st National Bank Bldg., Berkeley.
Architect—None.
Day's work. $3950 each

DWELLING
(3950) W FULTON 45 N Russell, Berkeley. One-story 5-room dwelling.
Owner — J. B. Ward, 2838 Ward St., Berkeley.
Architect—None.
Day's work. $2500

GARAGE
(3951) NO. 2915 FLORENCE, Berkeley Garage and addition.
Owner—Lottie B. Ingalls, Premises.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $500

DWELLING
(3952) NO. 1348 HOPKINS, Berkeley. One-story 5-room dwelling.
Owner—Allan Trimble, 1381 Rose St., Berkeley.
Architect—None.
Contractor — E. F. Henderson, 5744 Keith Ave., Oakland. $3750

DWELLING
(3953) S LINCOLN 180 E California, Berkeley. One-story 5-room dwlg.
Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.
Architect—None.
Day's work. $2500

ALTERATIONS
(3954) NO. 2532 PIEDMONT AVE., Berkeley. Alterations.
Owner—Florence McKibben, Premises.
Architect—None.
Contractor—H. D. Koch, 1816 Parker St., Berkeley. $400

DWELLING
(3955) NO. 1619 ROSE, Berkeley. One-story 5-room dwelling.
Owner—R. J. Pavert, 1st National Bank Bldg., Berkeley.
Architect—None.
Day's work. $3950

DWELLING
(3956) S SONOMA 200 W Josephine, Berkeley. One-story 5-room dwlg.
Owner—Rex A. Anderson.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck & Addison, Berkeley. $3000

DWELLING
(3957) E ADAMS 126 S Perkins, Oakland. One-story 6-room dwelling.
Owner—Geo. W. Anderson, 286 Perry St., Oakland.
Architect—None.
Day's work. $7500

GARAGE
(3958) SW HARDY AND MILES AVE. Oakland. Garage.
Owner—Andrew B. Gow, 5668 Ayala St. Oakland.
Architect—None.
Day's work. $750

DWELLING
(3959) S JEAN 150 W Grand Ave., Oakland. One-story 6-room dwlg.
Owner—A. A. Smith.
Architect—None.
Contractor — McWethey & Greenleaf, Albany Bldg., Oakland. $5000

DWELLING
(3960) N KALES AVE 350 E College Ave., Oakland. One-story 6-room dwelling.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—None.
Day's work. $5000

DWELLING
(3961) W NORTH COURT 320 N Pleasant Valley Ave., Oakland. One-story 6-room dwelling.
Owner—C. H. Kinney, 480 Hardy St., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(3962) SE NINETEENTH AVE AND E-28th, Oakland. One-story five-room dwelling.
Owner—L. Johnson, 5601 Adeline St., Oakland.
Architect—None.
Day's work. $3500

ADDITION
(3963) NO. 2124 NINETY-NINTH Ave., Oakland. Addition.
Owner—T. Rodgers.
Architect—None.
Day's work. $100

ALTERATIONS
(3964) 1102 92ND AVE, Oakland. Alterations.
Owner—Joe Bradovich.
Architect—None.
Day's work. $400

DWELLING
(3965) E 101TH AVE. 108 S. Birch St., Oakland. One-story 3-room dwelling.
Owner—Mrs. Annie Short.
Architect—None.
Contractor—M. N. Pitkanen, 1926 103d Ave., Oakland. $800

DWELLING
(3966) 310 OAKLAND AVE., Oakland. One-story 3-room dwelling.
Owner—L. McKenney, Premises.
Architect—None.
Contractor—O. M. Bullock, 510 18th St., Oakland. $1500

ADDITION
(3967) 10641 PIPPIN ST., Oakland. Addition.
Owner—C. A. Havercroft.
Architect—None.
Day's work. $400

DWELLING
(3968) E 64TH AVE. 130 N. Trenor St., Oakland. One-story 2-room dwelling.
Owner—H. A. Litchfield.
Architect—None.
Day's work. $500

DWELLING
(3969) W. 63RD AVE. 400 N. Fortune Way, Oakland. One-story 4-room dwelling.
Owner—E. R. Blabon, 2482 63rd Ave., Oakland.
Architect—None.
Day's work. $1800

DWELLING
(3970) N SCHOOL ST 75 E Laurel Ave., Oakland. One-story 4-room dwelling.
Owner—Justus Norris, 423 Hill Lane, Oakland.
Architect—None.
Day's work. $2400

DWELLING
(3971) E. WEBSTER ST. 338 N. 38th St., Oakland. One-story 5-room dwelling.
Owner—F. J. Ramme, 3912 Webster St., Oakland.
Architect—None.
Day's work. $3000

ALTERATIONS
(3972) 3315 WEST ST., Oakland. Alterations.
Owner—Thos. McCarthy, Premises.
Architect—None.
Contractor—Chester Gossett, San Leandro. $550

GARAGE
(3973) 2409 BOWDITCH ST., Berkeley. Garage.
Owner—P. J. Chalmers, Premises.
Architect—None.
Day's work. $350

GARAGE
(3974) SE COR. CENTER & MILVIA, Berkeley. One-story hollow tile garage.
Owner—W. E. Woolsey, Hotel Whitecotton, Berkeley.
Architect—None.
Contractor—F. P. Butterfield, El Cerrito. $8000

DWELLING
(3975) N HOPKINS 75 E The Alameda, Berkeley. One-story 5-room dwelling.
Owner—Meckel, 2400 Haste St., Berkeley.
Architect—None.
Contractor—R. R. Bixby, 2447½ Webster St., Berkeley. $3000

DWELLING
(3976) E SIERRA 220 N Sonoma, Berkeley. One-story 6-room dwelling.
Owner—E. N. Bertheaud, 2115 Vine St., Berkeley.
Architect—None.
Day's work. $4000

DWELLING
(3977) W KINGSLAND AVE 82 S Rawson, Oakland. One-story 6-room dwelling.
Owner—J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4300

DWELLINGS
(3978) W COLE 250 AND 297 N Brookdale, Oakland. Two one-story six-room dwellings.
Owner—J. B. Peppin, 86 Cambridge Ave. San Leandro.
Architect—None.
Day's work. $4300 & $4400

DWELLINGS
(3979) W RAWSON AVE 525 & 565 N Brookdale, Oakland. Two one-story 6-room dwellings.
Owner — J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4200 each

DWELLING
(3980) S E-THIRTY-THIRD 50 W Elliot, Oakland. One-story five-room dwelling.
Owner—C. A. Johnson, 5876 Beaudry St., Emeryville.
Architect—None.
Day's work. $4500

DWELLING
(3981) N FORTY-SECOND 250 E Linden, Oakland. Two-story 5-room dwelling.
Owner—Eugene Leroy, 2913 Chestnut St., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Thomas Rutherford, 985 35th St., Oakland. $3600

ADDITION
(3982) S FORTY-THIRD 140 W Grove, Oakland. Addition.
Owner—H. Carlson, 2814 Morcom Ave., Oakland.
Architect—None.
Day's work. $400

WAREHOUSE
(3983) SW FRUITVALE AND ELMwood Ave., Oakland. One-story warehouse.
Owner—J. B. Rosefield, E-12th St. and 16th Ave., Oakland.
Architect—None.
Contractor—J. B. Petersen, 2053 38th Ave., Oakland. $3750

DWELLING
(3984) NW FORTY-FIRST AND Emerald, Oakland. One-story 2 family dwelling.
Owner—Mr. and Mrs. Bilodean, 40th and Shafter Ave., Oakland.
Architect—None.
Contractor—Jas. L. Rich, 943 42nd St., Oakland. $7650

DWELLING
(3985) E HUGHES AVE 367 N E-23rd. Oakland. One-story 5-room dwlg.
Owner — R. E. Taylor, 3111 Fruitvale Ave., Oakland.
Architect—None.
Contractor — A. F. Anderson, 4532 Leach Ave., Oakland. $3000

REPAIRS
(3986) NO. 888 LYDIA ST., Oakland. Repairs.
Owner—I. C. Lewis.
Architect—None.
Contractor—B. H. Schmidt, 2237 E-19th St., Oakland. $400

DWELLING
(3987) N LERIDA AVE 300 W Carlston, Oakland. One-story 6-room dwelling.
Owner—W. J. Baker, 2255 Ransome Ave., Oakland.
Architect—None.
Day's work. $4950

ALTERATIONS
(3988) NO. 3920 LYON AVE., Oakland Alterations and additions.
Owner—E. R. Smilie.
Architect—None.
Day's work. $400

DWELLING
(3989) N NEY AVE 250 W Parker Ave., Oakland. One-story 4-room dwelling.
Owner—E. T. Minney, Syndicate Bldg. Oakland.
Architect—None.
Day's work. $1800

DWELLING
(3990) W 16TH AVE 100 N Walnut, Oakland. One-story 4-room dwlg.

Owner—Mrs. Rominia, 1629 104th Ave., Oakland.
Architect—None.
Contractor—G. T. Ahlman, 1736 104th Ave., Oakland. $1400

DWELLING
(3991) E PATTERSON 30 S Kansas, Oakland. One-story 1-room dwlg.
Owner— Mrs. W. Johnston, 2739 Maybelle Ave., Oakland.
Architect—None.
Contractor—Fred Smith. $500

DWELLING
(3992) W 39TH AVE 390 N E-14th St., Oakland. One-story 5-room dwelling.
Owner—L. E. Gracier, 1520 39th Ave., Oakland.
Architect—None.
Day's work. $2500

DWELLINGS
(3993) S VIRGINIA AVE 140-180-210 E Beverly Ave., Oakland. Three 1-story 4-room dwellings.
Owner—C. W. Glantz, 4611 Virginia Ave., Oakland.
Architect—None.
Day's work. $2000 ea.

RECORDED

PAINTING
(3994) 12, 14, UNION AND POPLAR Sts., Oakland. Painting outside of buildings.
Owner—Pacific Coast Shredded Wheat Co., Premises.
Architect—None.
Contractor—Harry McManus, 351 12th St., Oakland.
Filed Nov. 10, '21. Dated Nov. 2, '21.
1st coat completed.....½
Completed and accepted .....Bal.
TOTAL COST, $6190
Bond, $3000; surety, Republic Casualty Co.; forfeit, limit, plans, specifications, none.

DWELLINGS
(3995) LOTS 26, 27, 28, 31 BLK J, Broadway Terrace, Oakland. Five 1-story 4-room dwellings.
Owner—Allan H. Waas, Oakland.
Architect—Not given.
Contractor—Geo. W. Nunes, 5430 Dover St., Oakland.
Filed Nov. 10, '21. Dated Nov. 10, '21.
Frame up .....¼
Brown coated .....¼
Completed and accepted .....¼
Usual 35 days .....¼
TOTAL COST, $15,000
Bond, sureties, forfeit, none; limit, 130 days. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Nov. 10, 1921—E GRAND AVE 145 N Cottage, Oakland. Henry Brandemann to M C Vaughn....Nov. 7, 1921
Nov. 10, 1921—SE FIFTH AVE 40 SW E-21st SW 35xSE 110, Oakland. Chester S and Edna V Nichols to whom it may concern.. Nov. 9, 1921
Nov. 10, 1921—NW TELEGRAPH AV and Dwight Way, Berkeley. Mabel Hewes Chandler to Herbert Beckwith.....Nov. 4, 1921
Nov. 10, 1921—LOT 52 Map Fourth Avenue Terrace Extension, Okd. P B Weaver to whom it may concern.....Nov. 10, 1921
Nov. 9, 1921—E E-FOURTEENTH 50 SE Maud Ave SE 48 NE 122.46 NW 42.42 SW 144.92, San Leandro. Lillian Feeser to E Andersen.... .....Nov. 9, 1921
Nov. 9, 1921—S LINCOLN AVE 116.83 E Everett 38x123-6, Alameda, Geo Petry to Alex C Wieben.Nov. 7, 1921
Nov. 9, 1921—S FIFTY-FIRST AVE 32 W Vicksburg Ave 35x50, Okd Amelia H Kietz to N Nittler..... .....Nov. 9, 1921
Nov. 9, 1921—LOT 23 BLK 2, Key Route Terrace No. 2, Albany. Edwin Hartley to whom it may concern.....Nov. 8, 1921
Nov. 8, 1921—WEST ALAMEDA Associated Oil Co to Alfred H Vogt .....Nov. 1, 1921
Nov. 8, 1921—LOT 15 BLK 1 Map The Highlands, Berkeley. Mrs. Laura V Klyce to August Hendrickson.....Nov. 7, 1921
Nov. 8, 1921—PTN LOT 25 Map No. 2, Glen Echo Tract, Piedmont. Marie P Colin to J W Monroe..Nov. 7, 1921
Nov. 7, 1921—LOTS 38 & 39 BLK G, Map Broadway Terrace, Oakland. Irene Burkit to H. C. Pfrang.... .....Nov. 4, 1921
Nov. 5, 1921—S GLEN AVE 445-16 E Piedmont Ave. SW 43.35 SW 21.35 for pt. beginning SW 38-5 SE 100 NE 54-67 NW 100, Oakland. Gustave W. Brown to whom it may concern .....Oct. 21, 1921
Nov. 5, 1921—W 31ST AVE 37-61 SW E-13th St 113-20 SW 37, Oakland. Nickalaus Bauhofer to Jos Flittner .....Oct. 6, 1921
Nov. 5, 1921—LOT 14 BLK A MAP East Piedmont Heights, Oakland. Harold H. Osborn to S. G. Rankin. .....Nov. 2, 1921
Nov. 4, 1921—LOT 6 BLK N PORT Central Oakland Tract, Oakland. Matthew J. Brennan to Harry Schwalm .....Nov. 2, 1921
Nov. 4, 1921—1163 COLUSA AVE, Berkeley. Alfred J. Pollard to whom it may concern. .....Oct. 31, 1921
Nov. 4, 1921—SHATTUCK AVE NR Haste St., Berkeley. Southern Pacific Co. to Hutchinson Co..... .....Oct. 31, 1921
Nov. 4, 1921—7TH AND CEDAR STS, Oakland. Southern Pacific Co. to Hutchinson Co. .....Oct. 31, 1921

Notice of Non-Responsibility

ALAMEDA COUNTY

Nov. 8, 1921—LOT 17 & 18 BLK 4 Map Key Route Heights, Oakland. Alameda Investment Co. as to improvements on property.....

HOMESTEADS

ALAMEDA COUNTY

Recorded Amount
Nov. 10, 1921—N SIXTY-THIRD 54.57 W Shattuck Ave W 54xN 41.94, Okd. L V Strang (wf Fred N).....$5000
Nov. 9, 1921—W PINE ST 120 S Eunice St. S 120 W 134-7, Berkeley. Ada Sittig, wife of E. J.....$5000
Nov. 9, 1921—LOT 2 BLK 58 MAP Estudillo Tract, Oakland. Alberto Russello $4000
Nov. 9, 1921—LOT 23 BLK 112 MAP No. 1, Port. Meek Tract, Hayward. Friedrich and Elise Raab.....$5000
Nov. 8, 1921—NW 14TH AVE 520 NE E-38th St. NE 35 NW 110, Oakland. Connell W. Porter $5000
Nov. 8, 1921—S SCHOOL ST BEING portn A. M. Peralta portion Rancho San Antonio, containing 1.02 acres, Oakland. John H. Ferretta. $5000
Nov. 8, 1921—E 23RD AVE 87-90 S E-27th St. SE 84 SW 30 SE 1.6 SW 20 NW 81.45 N 50.16, Oakland. Flora B. Bruce, wife D. A.....$4000
Nov. 7, 1921—W. MARKET ST., 30 N. 52d St., N. 30, W. 90, Oakland. Eva Bloom, wife of Louis.....$4000
Nov. 4, 1921—LOT 31 & NW 12½ Lot 30 Blk J Map Potter's Addition to Valley View, Oakland.... ..... $3500
Nov. 4, 1921—NE E-12TH ST 37-6 SE 4th Ave SE 37-6 NE 100. Henry A. Bowen $6000
Nov. 4, 1921—LOTS 7 AND 8 BLK 15 Map 6, Regents Park, Oakland Tp. Margaret T. Arundel, wife T. J. $4500

RECISSION OF BUILDING CONTRACT

ALAMEDA COUNTY

Nov. 10, 1921—Contract Filed Oct. 15, 1921. Owner, K. C. Casebolt with California Builders Co, Contractors.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

RECORDED

COTTAGE, ETC.
SAN JOSE, Santa Clara Co., Cal. Five-room cottage and garage.
Owner—Mr. and Mrs. J. L. Farnum.
Architect—Not given.
Contractor—J. Earl McCombs, 214 Hobson, San Jose, Cal.
Filed Oct. 31, '21. Dated Oct. 14, '21
When roof is up.....$1043.75
When plastered 1043.75
Completed and accepted.... 1043.75
Usual 35 days..... 1043.75
TOTAL COST, $4175.000
Bond, sureties, forfeit, limit, none. Plans and specifications filed.

FRAME BUILDING
NORTH SIDE OF SAN SALVADOR ST., San Jose, Calif. One-story and basement frame building.
Owner—Joseph Francesconi and Jennie Francesconi, San Jose, Cal.
Architect—None.
Contractor—A. J. Nielsen, 358 N-4th St., San Jose, Cal.
Filed Oct. 29, '21. Dated Oct. 28, '21.
Outside plates and studding in place $525
Inside plates and studding in place 525
When completed 525
Usual 35 days 525
TOTAL COST, $2100
Bond, sureties, forfeit, none; limit, 40 working days after Nov. 1, 1921. Plans and specifications filed.

RESIDENCE
LOTS 9 AND 10 BLK 29, SOUTH SIDE Churchill Ave. bet. Cowper and Webster Sts., Palo Alto, Cal. Two-story frame residence.
Owner—Mrs. S. M. Vandervoort, Palo Alto, Cal.
Architect—Charles K. Sumner, 57 Post St., San Francisco, Cal.
Contractor—H. A. Spreen.
Filed Nov. 1, '21. Dated Oct. —, '21
Frame completed $2622.75
First coat plaster on..... 2622.75
Completed and accepted.... 2622.75
Usual 35 days 2622.75
TOTAL COST, $10,491
Bond, $5245.50; sureties, Mrs. H. A. Spreen and S. H. Chase; forfeit, none; limit, 120 working days after date. Plans and specifications filed.

RESIDENCE
LOTS 23 AND 24 BLK NO. 35 OF THE Seale Addition No. 2 to the City of Palo Alto, Cal. Two-story residence.
Owner—Mrs. Mabel S. Laumeister, Palo Alto, Cal.
Architect—A. B. Clark, Stanford University, Palo Alto, Cal.
Contractor—George Jacobsen, Palo Alto, Cal.
Filed Nov. 3, '21. Dated Nov. 1, '21.
Frame up, roof sheathed and chimney in $2560
Plumbing, electric and mill work in 2560
Completed and accepted..... 2560
Usual 35 days 2560
TOTAL COST, $10,240
Bond, $5125; sureties, John Dudfield and Emil Hansen; forfeit, none; limit, 120 working days from Nov. 1, 1921. Plans and specifications filed.

HOTEL
GILROY. Mill work for three-story and basement hotel.
Owner—George Millas, Gilroy, Cal.
Architect—W. H. Weeks, 369 Post St., San Francisco.
Contractor—Pacific Manufacturing Co., San Francisco.
Filed Nov. 5, '21. Dated Sept. 28, '21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $7400
Bond, none. Limit, 90 working days from Sept. 28. Forfeit, none. Plans and specifications filed.

SIDEWALK LIGHTS AND SIDEWALK doors on above.
Contractor — Dwan & Co., Monadnock Bldg., San Francisco.
Filed Nov. 5, '21. Dated Sept. 21, '21.
Payments same as above.....
TOTAL COST, $730
Bond, none. Limit, 45 working days from Sept. 21. Forfeit, none. Plans and specifications filed.

MISCELLANEOUS IRON AND STEEL work on above.
Contractor—C. J. Hillard & Co., Inc., 19th and Minnesota St., San Francisco.
Filed Nov. 5, '21. Dated Sept. 28, '21.
When received on job..... 60%
Completed and accepted.....Balance
TOTAL COST, $2699
Bond, none. Limit, 30 days after notice to proceed with the contract. Forfeit, none. Plans and specifications filed.

PLUMBING WORK ON ABOVE.
Contractor—J. E. O'Mara, 443 Minna St., San Francisco.
Filed Nov. 5, '21. Dated Oct. 14, '21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $11,900
Bond, $5950. Sureties, M. S. Sprague and Charles E. Gee. Limit, 70 working days from October 14. Forfeit, none. Plans and specifications filed.

LIGHTING AND VENTILATING SYSTEM on above.
Contractor—Robert Dalziel Jr., 218 1st St., San Francisco, Cal.
Filed Nov. 8, '21. Dated Sept. 28, '21.
As work progresses 75%
Usual 35 days 25%
TOTAL COST, $7582
Bond, $3791; sureties, James Dalziel and Andrew Dalziel; forfeit, none; limit, 90 working days from Sept. 28, 1921. Plans and specifications filed.

ELECTRICAL WORK ON ABOVE.
Contractor — Hollenbeck Electrical Works, San Francisco, Cal.
Filed Nov. 8, '21. Dated Oct. 14, '21.
As work progresses 75%
Usual 35 days 25%
TOTAL COST, $4250
Bond, sureties, forfeit, none; limit, 60 working days from date of instrument (Oct. 14, 1921). Plans and specifications filed.

COTTAGE, ETC.
EAST WILLIAM STREET NEAR Ninth St., San Jose, Cal. One-story frame cottage and garage.
Owner—Miss Leola Mayer, San Jose, Cal.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—George Lindblom, 471 W. San Carlos St., San Jose, Cal.
Filed Nov. 8, '21. Dated Nov. 5, '21
Frame erected $1175
First coat plaster on..... 1175
Completed 1175
Usual 35 days 1175
TOTAL COST, $4700
Bond, $2500; sureties, James H. Pierce and A. C. Hansen; forfeit, none; limit, 75 working days after Nov. 7, 1921. Plans and specifications filed.

ALTERATIONS
140 S. FIRST ST., San Jose. Alterations.
Owner—O. A. Hale & Co., Premises.
Architect—Binder & Curtiss, 255½ S. 1st St., San Jose.
Contractor—R. O. Summers, 17 N. 1st St., San Jose. $2300

COTTAGE
11TH NR. WASHINGTON, San Jose. Four-room cottage.
Owner—Anton Fazzio.
Architect—None.
Contractor—Joe Dangelo. $1500

COTTAGE
CLAYTON AVE. NR. 1ST. Six-room cottage.
Owner—Joe Hartman.
Architect—W. C. Phillips, 163 N-13th St., San Jose.
Contractor — J. C. Thorp, Auzerais Bldg., San Jose. $5000

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Nov. 5, 1921—SAN JOSE, Cal. Mary A. Ward to W. J. Moore..Nov. 5, 1921
Nov. 4, 1921—SOUTH SIDE OF CINnabar St. 200 ft. easterly from The Alameda, San Jose, Cal. J. E. Rooker to whom it may concern. .....Nov. 2, 1921
Nov. 4, 1921—LOT 15 BLK 83, Naglee Tract, San Jose, Cal. E. D. Corbett to Z. O. Field.....Oct. 20, 1921
Nov. 4, 1921—WASHINGTON AVE. near Minnesota Ave., San Jose, Cal. Lee D. Dougan to Ben Quimet... .....Nov. 4, 1921
Nov. 4, 1921—S E COR BRYANT AND Churchill Sts., Palo Alto, Cal. Mrs. E. A. Flanders to Lindholm & Nelson.....Nov. 2, 1921
Oct. 29, 1921—WEST SIDE OF KING Road bet. Alum Rock Ave. and San Fernando St., San Jose, Cal. Roy O. Watson to E. L. Slaght. .....Oct. 27, 1921
Oct. 31, 1921—HANCHETT RESIdence Park, San Jose, Cal. Lambert Skillman to whom it may concern .....Oce. 31, 1921
Oct. 31, 1921—PLEASANT ST., San Jose, Cal. M. Mori to whom it may concern..... ..Oct. 27, 1921
Oct. 31, 1921—HULL AVE., San Jose, Cal. William J. Sheler, Jr., to whom it may concern..Oct. 26, 1921
Nov. 3, 1921—NE SIDE OF FULTON St. bet. University and Hamilton Aves., Palo Alto, Cal. Alice Sumner to W. S. Couter....Oct. 25, 1921

BUILDING CONTRACTS

FRESNO COUNTY

DWELLINGS
1494-1502 WILSON AVE. Two dwellings.
Owner—K. C. Buwalda, 210 Dennet St., Fresno.
Architect—None.
Day's work. $3400 ea.

STORE-ROOMING HOUSE
1422 KERN ST., Fresno. Store and rooming house.
Owner—Clara Bellante, 760 "F" St., Fresno.
Architect—None.
Contractor—L. K. Cone. $9,000

ADDITION
1284 WILSON AVE., Fresno. Addition.
Owner—A. E. Wishon, Tulare and "H" Sts., Fresno.
Contractor—S. L. Allen, 530 Forthcamp St., Fresno. $10,000

HOSPITAL
942 MERCED ST., Fresno. Reinforced concrete hospital.
Owner—Union Hospital Assn.
Architect—None.
Day's work. $38,000

DWELLING
1249 SAFFORD ST., Fresno. Dwelling.
Owner—Roy Martin, Olive and Nursery St., Fresno.
Architect—None.
Day's work. $5000

ENGINE HOUSE
NO. 1564 VAN NESS AVE., Fresno. Fire engine house.
Owner—City of Fresno.
Architect—None.
Contractor—H. Dickey, 150 Howard St., Fresno. $11,800

DWELLING
NO. 1138 ALHAMBRA ST., Fresno. Dwelling and garage.
Owner — A. Hasselbalch, 845 N-Van Ness, Fresno.
Architect—None.
Contractor—G. C. Cannon, 510 Fresno St., Fresno. $7000

DWELLING
756 ELIZABETH ST., Fresno. Dwelling.
Owner — Geo. Wolf, 2024 Harvey, Fresno.
Architect—None.
Day's work. $5000

DWELLING
742 PINE ST., Fresno. Dwelling.
Owner—J. B. Goodman, 1035 Yale, Fresno.
Architect—None.
Contractor—Valley Construction Co., Fresno. $10,500

DWELLING
138 BLACKSTONE AVE., Fresno. Dwelling.
Owner—B. Hall.
Architect—None.
Contractor—Chris Sehrt, Fresno. $5000

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
Nov. 7, 1921—S 50 FT. OF LOT 7, Park View Tract, Fresno. A M Weyrick to whom it may concern
Nov. 7, 1921—LOT 16 N 20 ft. of Lot 17 Blk 4, North Park Terrace, Fresno. Carl Gustafson to whom it may concern.....Nov. 7, 1921
Nov. 3, 1921—2001 NORTH VAN Ness Blvd., Fresno. Jacob T. Bedig to whom it may concern.. .....Nov. 2, 1921
Nov. 1, 1921—LOTS 15, 16 BLK 4 Van Ness Heights, Fresno. D. M. Benton to whom it may concern.. .....Oct 31, 1921
Nov. 1, 1921—S 55 FT OF LOTS 9, 10, 11, Blk 1, Vernon Park, Fresno. W. H. and Estella J. Johnson to whom it may concern..Oct. 22, 1921

LIENS FILED

FRESNO COUNTY

Recorded Amount
Nov. 4, 1921—LOTS 7 TO 10 BLK 1, Homewood Addition, Fresno. F H Smith vs G K Lindsey.....$32
Nov. 5, 1921—LOT 7 BLK 1, Cedar Park, Fresno. Fisher-Glassford Hardware Co vs C C Russell and Gary R Smith..... $130
Nov. 5, 1921—LOTS 13, 14 BLK 53, Fresno. T J and M H Hart and Louis Russo vs Joe Oliveira and Corn Logan $1318

Nov. 3, 1921—LOTS 13, 14, BLK 53, Fresno. Fresno Lumber Co. vs Joe Olwers and Thos. J. and Moses H. Hart $430.00

Notice of Non-Responsibility

FRESNO COUNTY.

Nov. 5, 1921—SECS. 23, 26, 27, 35, 15-18, Fresno. Santa Ana & Fresno Land Co as to improvements on property .....

Nov. 3, 1921 — 1048 BROADWAY, Fresno. Adolph Kutner Co. and Alfred Kutner as to improvements on property.....

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
4401 10TH AVE., Sacramento. One-story 5-room frame dwelling.
Owner—Miss Annie M. Francis, 3432 Stockton Blvd., Sacramento.
Architect—None.
Contractor—F. Francis, 4625 10th Ave., Sacramento. $2500

DWELLING
1100 4TH ST., Sacramento. One-story 6-room dwelling.
Owner—S. A. Swichard.
Architect—None.
Day's work. $7700

DWELLING
1512 "S" ST., Sacramento. One-story 5-room dwelling.
Owner—Mary Leal, 620 "N" St., Sacramento.
Architect—None.
Contractor—M. A. Fratis, 1728 "S" St., Sacramento. $3600

DWELLING
1633 SANTA CRUZ, Sacramento. One-story 6-room dwelling.
Owner—J. Blewel.
Architect—None.
Contractor—E. L. Brust, 3514 2nd St., Sacramento. $4000

DWELLING
1024 DOLORES WAY, Sacramento. One-story 5-room dwelling.
Owner—A. H. Adloff, 1216 "O" St., Sacramento.
Architect—None.
Day's work. $3000

WATERPROOFING
LOT "K," "L," 11TH AND 12TH STS., Sacramento. Waterproofing exterior walls of 2 rear sides and light court of office building.
Owner—Pacific Gas and Electric Co.
Architect—None.
Contractor—T. J. Pennish, 1516 "O" St., Sacramento. $1699
Filed Nov. 1, '21. Dated Oct. 26, '21.

DWELLING
1160 37TH ST., Sacramento. One-story 6-room dwelling.
Owner—A. Hullen, North Sacramento.
Architect—None.
Day's work. $3050

REPAIRS
34TH AND "R" STS., Sacramento. Repair tornado loss.
Owner—Dept. of Public Works, State Highway Commission, Forum Bldg., Sacramento.
Architect—None.
Day's work. $3000

DWELLING
1922 30TH ST., Sacramento. One-story 5-room dwelling.
Owner—R. W. Blair, 1012 19th St., Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura Ave., Sacramento. $3200

REPAIRING
725-27 "K" ST., Sacramento. General repairing.
Owner—Schadt Estate Co., 2901 "K" St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 "T" St., Sacramento. $5850

DWELLING
2622 "S" ST., Sacramento. One-story 8-room dwelling.
Owner—E. Thomas, 2021 24th St., Sacramento.
Architect—None.
Day's work. $4400

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Nov. 5, 1921—LOT IN BLK "P," "Q," 4th and 5th Sts., Sacramento (city school property). Sacramento City School District to whom it may concern.....Oct. 31, 1921

BUILDING CONTRACTS

SAN MATEO COUNTY

BUNGALOW
LOT 14 BLK 6, BURLINGAME PARK, Subd. No. 2, Burlingame, Cal. Furnish and construct 1 frame, plastered bungalow.
Owner—Harry A. Totten and Gladys Totten (wife), 68 Post St., San Francisco.
Architect—Not given.
Contractor—S. A. Born Bldg. Co., 660 Market St., San Francisco.
Filed Nov. 3, '21. Dated Oct. 25, '21.
Contract signed.....$1500
Std. finish on..... 500
Completed 6000
(Secured Bank of Italy, 7%.)
($1640 secures S. A. B. Co.; 2nd lien Parjalen Moulitrie Inst, $100.)
TOTAL COST, $9640
Bond, sureties, forfeit, none; limit, 100 work days. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Nov. 8, 1921—LOT 14 BLK 13, BURlingame Grove, Burlingame, Cal. Chris Larsen to whom it may concern .....Nov. 7, 1921
Nov. 8, 1921—CYPRESS AVE., Cypress Lawn Cemetery. Daniel T. Murphy, Estate of, et al. to C. C. Morehouse .....Oct. 31, 1921
Nov. 7, 1921—LOTS 4 & 5 BLK 9 & Lots 7, 8 and 9, Blk 7, High School Park Add. to So. San Francisco. So. San Francisco Land & Improvement Co. to Richard C. Stickle.....
.....Nov. 1, 1921

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Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

Nov. 5, 1921—LOT M BLK 10 CHAPin Ave., Burlingame, Calif. H. K. Atwater to W. O. Nicolaides.....
.....Nov. 3, 1921
Uov. 3, 1921—CYPRESS AVE. CYpress Lawn Cemetery, San Mateo Co. Daniel T. Murphy, des., est. of., et al. to McGilvray-Raymond Granite Co.....Oct. 19, 1921
Nov. 2, 1921—LOT 9 BLK 23 EASTON Add No. 2, Burlingame, Calif. Lilly C. M. Jackson to John Rutherdale.
.....Oct. 15, 1921

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
Nov. 2, 1921—LOTS 9 & 10 BLK 21 San Bruno Park, 3rd Addition. San Bruno Lumber & Supply Co. vs. Guseppe Di Resta.....$768.10

Notice of Non-Responsibility

SAN MATEO COUNTY

Nov. 2, 1921—LOTS 6, 7, 8, 9A, 10 & 11 Blk 19 Lyon & Hoag Sub City of Burlingame. Cahalan Co., as to improvements on property.....

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

STORAGE SUPPLIES SHOP
EAST OAK ST., Stockton. Storage supplies shop.
Owner—Gloria Ice Cream Co., Oak and Aurora Sts., Stockton.
Architect—None.
Days work. $8,000

APT. HOUSE
NORTH AMERICAN ST., Stockton. Apartment house.
Owner—Lambert Bros., 509 E-North St., Stockton.
Architect—None.
Day's work. $15,000

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

Recorded Accepted
Nov. 2, 1921—LOTS 9 AND 11 LESS 24 ft. 6 in. on S side of block 143 E of Center St., Stockton. Percy S. Webster to J. A. Allen..Oct. 17, 1921

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

(Continued from Page 19)

SANTA CRUZ, Santa Cruz Co., Cal.—City Engineer James K. James instructed to prepare specifications for sewer in Dake Ave.; also for sewers in portions of Cedar St.

Downer (Valley Concrete Pipe Co.), Yuba City, awarded contract by Council to construct approx. 1650 ft. 8-in. sanitary sewer in 11th St. from Maple to Pine and in Pine from 11th to 12th. Bid for vit. pipe, $2,555; concrete pipe, $2,472. Type of pipe not yet determined. Two other bidders. W. M. Meek, City Engineer.

VISALIA, Tulare Co., Cal.—Valley Paving & Construction Co., Goldstein Bldg., Visalia, at 23c sq. ft. has been awarded a contract by the Trustees for paving Acequia street, between Bridge and Garden streets, a distance of one block. L. H. Gadsby, City Engineer.

PRESCOTT, Ariz. — The Yavapai County Highway Commission has ordered a call for bids for constructing 7 mi. of county highway from Seligman east.

RED BLUFF, Tehama Co., Cal.—Plans and specifications for paving unimproved portions of Main and portions of Oak St. will be presented to the City Trustees at the November 14 meeting; estimated cost, $40,000. W. F. Lunning, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—W. E. Miller, 81 Church St., Santa Cruz, at $2,947.43, awarded contract by City Council for placing 24,561.98 sq. ft. 2-in. bituminous concr. wearing surface on Soquel Ave. bridge, approaches and adjoining street intersections.

Other bidders: C. E. Greenfield, $3,438.67; Grant-Smith Co., $3,074.87. James K. James, City Engineer.

STOCKTON, San Joaquin Co., Cal.—Sterling Iron Works, 646 S. California St., Stockton, at $2840, submits low bid to City Council for constructing pumping plant in Oak Park. Other bidders: Robt. Beyrle, $3540; Davidson and Nicolsen, $3860; Hild Electric Co., $3411. Bids taken under advisement. W. B. Hogan, City Engineer.

CALIFORNIA.—Following are approximate quantities of materials involved in the grading of 12 mi. of State Highway in Mendocino County bet. Flynn Creek and the mouth of Navarro River, bids for which will be opened by the State Highway Commission Nov. 21: 180,000 cu. yds. excav. without classification; 450 cu. yds. Class "A" Portland cem. concr. (culverts and monuments; 1712 lin. ft. 12", 994 lin. ft. 15", 260 lin. ft. 18" and 692 lin. ft. 24" corru. metal pipe; 800 lin. ft. 6" tile drain; 0.3 mi. moving and resetting property fences; 436 monuments. Commission will furnish reinf. steel, pipe and cement.

VALLEJO, Solano Co., Cal.—Council, Alf. E. Edgcumbe, City Clerk, declares intention to construct 6-in. vit. clay sewer pipe in Colusa St. from Tennessee St. to Illinois, and Indiana from Colusa St. to Orphans' Home road, wyes for each house frontage; brick manholes. Imp. Act 1911. Protests Nov. 22. T. D. Kilkenny, City Engineer.

YUBA CITY, Sutter Co., Cal.—Supervisors order bids received for constructing Knights Landing to Kirksville road, part of the county highway system. Edward von Geldern, County Surveyor.

BERKELEY, Alameda Co., Cal.—Until November 25, 10 A. M., bids will be received by E. M. Hann, City Clerk, for improving Jefferson avenue from Allston Way to Addison street, by grading, combination concrete curbs and gutters, concrete valley gutters and catchbasins, 10-in. vitrified pipe macadamizing and surfacing with oil and rock screenings. Improvement Act 1911. Certified check for 10% payable to city required. C. L. Huggins, City Engineer.

YUBA CITY, Sutter Co., Cal.—E. B. and A. L. Stone Co., Claus Spreckels Bldg., San Francisco, has been awarded a contract by the Supervisors for furnishing f. o. b. Tudor and Abbott, (S. P. R. R.) Trowbridge and Pleasanton Grove (W. P. R. R.) and East Nicolaus and Pleasant Grove (S. N. R. R.) 500 tons ¾-in. by 1½-in. and 100 tons Dx¾-in. crushed rock. Edward von Geldern, County Surveyor.

SANTA CRUZ, Santa Cruz Co., Cal.—Council, S. A. Evans, Clerk, declares intention to construct 6-in. vitrified sewer in portion of Cedar street with 22 vitrified wye branches. Improvement Act 1911. Protests November 29. James K. James, City Engineer.

BERKELEY, Alameda Co., Cal.—Until November 25, 10 A. M., bids will be received by E. M. Hann, City Clerk, for constructing 6-in. vitrified sewer in portions of San Antonio avenue, 2 manholes. Improvement Act 1911. Certified check for 10% payable to city required. C. L. Huggins, City Engineer.

CALIFORNIA.—Le Moor Construction Co., El Paso, Texas, at $206,739.30 awarded contract by State Highway Commission for paving with concr. 7.4 mi. of highway in Los Angeles County bet. Las Flores Canyon and Santa Monica, involving 210,000 cu. yds. excavation without classification; 14,810 yds. Class "A" Portland cem. concr. (pavement); 480 cu. yds. Class "A" Portland cem. concr. (culverts and monuments); 136 lin. ft. 18-in., 1104 lin. ft. 24-in., 148 lin. ft. 30-in. and 512 lin. ft. 36-in. reinf. concr. pipe; 3000 lin. ft. guard rail; 227 monuments. Commission will furnish reinf. steel, reinf. concr. pipe, cem. and sand and coarse aggregate for concrete.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications for sewering Saturn St. bet. Ord and Lower Terrace, estimated cost $2700. Project involves: 499 lin. ft. 8-in. and 206 lin. ft. 12-in. vit. pipe; 21 8-in. and 3 12-in. wye branches; 1 lamphole and 5 brick manholes.

REDWOOD CITY, San Mateo Co., Cal.—Until Dec. 5, 7:30 p. m., bids will be received by W. A. Price, City Clerk, for improving Duane St., Whipple Ave. to Broadway; Brewster Ave. from El Camino Real to Broadway; Arch St. from Brewster to Broadway with asph. oil wearing surface. Imp. Act 1911. C. L. Dimmitt, City Engineer.

TURLOCK, Stanislaus Co., Cal.—City Trustees, A. P. Ferguson, clerk, will receive bids up to Nov. 22, 7:30 p. m., for improving streets under contract awarded to J. A. Costello of San Francisco, and which was rescinded due to irregularities of the contractor in failing to sign papers within the time specified by law. Improvements will cost approx. $80,000. Horace Hall, City Engineer.

STOCKTON, San Joaquin Co., Cal.—Until December 6, 10 A. M., bids will be received by Eugene D. Graham, County Clerk, for improving S. A. Seavey road, involving 5500 cu. yds. grading; 6870 tons crushed rock, 1650 tons dressing for oil and 1090 bbls. of asphaltic oil; estimated cost, $32,677.

Bids will be considered on the same date for improving French Camp road. (grading will be done by force account, $4,780), project involves 10,420 tons crushed rock; 1330 tons asphaltic oil; 1610 tons dressing for oil; 1 corrugated culvert; concrete in culverts, 48.54 cu. yds. Estimated cost, $54,500. E. E. Quail, County Surveyor.

MERCED, Merced Co., Cal.—Until Nov. 21, 7:30 P. M., bids will be received by W. W. Cornell, City Clerk, for fur. and del. 2000 ft. salt glazed 6-in. sewer pipe; 80 ft. 6-in. by 4-in. wyes and 80 wye caps. Bidder must submit samples and state time of delivery. C. D. Martin, City Engineer.

SANTA ANA, Orange Co., Cal.—Until November 29 bids will be received by Supervisors of Orange County for widening 3 miles of Garden Grove road west of Garden Grove from 16 to 18 ft. and building up 4-in. concrete base to 6-in.

BUSINESS OPPORTUNITIES

R. C. Effinger, 201 Nixon Building, Reno, Nevada, wishes to get in touch with San Francisco contractors and architects.

International Intelligence Service, 307 Tabor Opera House, Denver, Colo., desires to get in touch with manufacturers and wholesalers in this city.

Hacker Mfg. Co., 312 N. May St., Chicago, Ill., is in the market for Philippine mahogany.

J. W. Nelson, 505 J St., Sacramento, Cal., wishes to get in touch with mechanical engineering firms in this city.

C. F. Groth, 3405 Perkins Ave., Cleveland, Ohio, would like to arrange to represent San Francisco manufacturers or jobbers in that market.

M. Genung, Wickenburg, Ariz., is seeking a market for a high grade of marble.

Nevada Engineering and Supply Co., Reno, Nevada, wants to sell concrete mixer, complete, with 8 h.p. gasoline engine, mounted on track.

George A. Bice, Box 166, Sparks, Nev., desires to get in touch with San Francisco manufacturers of pottery and brick.

Charles Anderson, care Chamber of Commerce, North Bend, Ore., wishes to get in communication with buyers of alder and maple logs.

Miss R. E. Bartlett, Pulaski, N. Y., wishes to obtain plans and specifications for building Japanese homes.

Triangle Steel Bushing Co., 207th St., Detroit, Mich., wishes to get in touch with a reliable firm in this city having a sales organization calling on the automobile trade.

Smith Bros., Williams, Ore., are in the market for mining machinery, including stamp mills.

Bids Wanted for Calexico Street Improvements

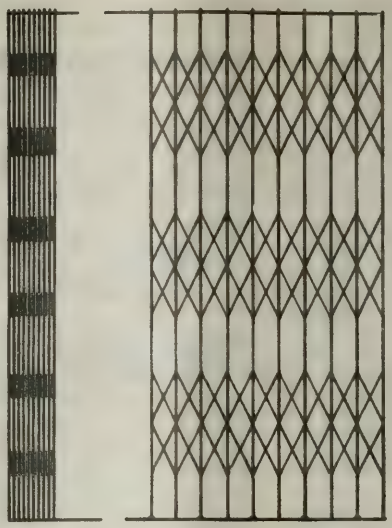
Until December 6, 8 P. M., bids will be received by the City Trustees of Calexico, Imperial County, Calif., for street improvements. The district covered in the work represents some of the most highly improved sections of the city. All lots within the district to be improved have ample values to fully protect the bond issue against them. The project involves 171,270 sq. ft. concrete sidewalks; 32,625 sq. ft. concrete cross walks; 98,833 lin. ft. concrete curbs and 30,600 cu. yds. grading. This will be the largest contract for this class of work to be let in Imperial County this year and should attract the larger contractors in this section.

THE ENGINEER'S PART IN BOND ELECTION CAMPAIGNS

(Continued from Page 4)

for sewage disposal, electric lighting and municipal ownership of several utilities. Its success confirms the belief of the writer that real engineering goes farther than the mere preparation of plans, but that the engineer should "put over" the projects instead of leaving them in the hands of laymen to scramble up.

Japan produces about 25,000,000 tons of coal a year, including the output from the mines of Southern Manchuria.



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SAN FRANCISCO, CAL., NOVEMBER 19, 1921

Published Every Saturday
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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CAL., NOVEMBER 19, 1921 — Twenty-first Year, No. 47

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Compressed Air Paint Co. Completes Large Contracts

COMPANY'S PRODUCTS COVER MORE THAN 2,000,000 SQUARE FEET. INDUSTRIAL PLANT PAINTING MADE SPECIALTY

About two years ago the Standard Compressed Air Painting Company was organized primarily for the purpose of Industrial Plant painting. Since that time the firm has applied its materials to cover a surface of more than 2,000,000 square feet, some of the largest manufacturers on the Pacific Coast having engaged the company to treat their plants. Among these might be mentioned: Holbrook-Merrill & Stetson, P. J. Walker Construction Co.; Collins & Hencke Candy Co.; Birch Products Co., all of San Francisco; Weed Lumber Company, entire plant at Weed, Calif.; California Cracker Co. of Oakland; Pacific Press Publishing Association, entire plant; Stanford Stadium, anu U. S. Public Health Hospital Service buildings, all at Palo Alto; Sinclair Oil Co. at Rodeo and Hughson condensed Milk Company's plant at Hughson.

The territory covered by the Compressed Air Painting Company extends as far as Arizona. Equipment available for immediate use permits the firm to undertake a job of any size and complete the work on schedule. Offices are maintained at 118 First Street, San Francisco.

EVERYONE OPTIMISTIC, SAYS FRESNO ARCHITECT

"My whole impression of the East was that things were pretty much at a standstill, but everyone is talking with an optimistic note and expecting conditions to improve," said H. B. Traver, of Coates & Traver, Fresno architects. Traver is just back from an extended trip through the North and East, his itinerary including Chicago and New York.

In Chicago, the street car strike had been under way six months, and everyone found little else to talk about. There is very little building going on in Chicago, except municipal work, which is being pushed largely to give work to the unemployed.

In New York, the architects and kindred professions were talking improved conditions, "but when you get them down to brass tacks, there was nothing doing," said Traver.

In Omaha there is something very closely resembling a building boom and architects and the building trades were busy.

Building materials over the country seemed on about the same level with regard to prices, and nowhere did the architect find that there was any noticeable "low prices."

The business atmosphere of the East, however, is clearing, at least in the minds of the people if not in actual contracts and orders, said Traver.

The Fresno architect did not come in contact with sources of information that would give him any real insight into the unemployment situation throughout the East, he said.

FIVE YEARS OF FEDERAL AID ROAD WORK

On June 30, 1921, the close of the fifth year since the passage of the Federal aid road act, which is administered by the Bureau of Public Roads, U. S. Department of Agriculture, the States and Federal Government had completed 7,469 miles of road, and 17,977 miles were under construction. Including the work completed on projects still under construction, the States have completed work which entitles them to draw on the Federal Treasury for $118,915,515. There is also a balance allotted but not yet earned on projects now under construction amounting to $66,375,638. Of the two appropriations which have been made for Federal aid there is now only $18,793,544 remaining unobligated. Twelve of the States have obligated their entire allotment and several others have only a small amount to their credit. During the last fiscal year the total of completed projects jumped from 1,677 to 7,469 miles, and the projects under construction increased from 14,940 to 17,977 miles. The money earned by completion of work has grown from $40,097,881 a year ago to $118,915,515 at the end of this fiscal year. The amount earned during the year was $78,817,634, or nearly twice as much as the amount earned during the four years preceding. The new projects submitted during the year bring the total amount of Federal aid obligated up to $247,956,456, as compared with $109,830,366, which was the amount obligated on June 30, 1920. At this rate it is expected that the small balance of $18,000,000 still unobligated will be taken up in a very short time. The month of June was a record month in every way. The mileage of completed projects increased by more than 1,200 miles, more than twice the amount reported for the month of May. Funds allotted to work actually under construction increased by $13,670,925.

DETERMINING CAUSE OF WAVY ROAD SURFACES

What causes a "tarred" road to develop that peculiar scrubbing-board surface is a question that has been worrying the highway engineers quite as much as the long-suffering public. As often as not the symptoms appear in a macadam road that has been treated with asphalt. But the trouble is largely confined to roads built with tar or asphalt. Concrete and brick roads never develop such a surface, and ordinary dirt roads seldom do.

The Bureau of Public Roads of the United States Department of Agriculture is building at the Arlington, Va., experimental farm an experimental roadway fifteen feet wide in an attempt to discover the cause of the trouble. The road is laid out in the form of a circle with a 90-foot radius, and its circumference, 565 feet in length, is to be divided into sections, each of which will be surfaced with a different kind of asphalt or tarred surface.

The experimental sections will be built exactly like actual road surfaces and when completed they will carry a "traffic" as much like actual traffic as it is possible to devise. The "traffic" will be supplied by a driverless motor truck which will be held to the circular path by means of a long arm extending from the center. The course of the truck will be altered from time to time so that the entire width of the roadway will be traveled.

It has not been possible to determine the cause by observation of actual roads because there are too many unknown quantities. The defect may be due to distortion of the earth under the road surface or to defects in the surface itself. It is probably caused in some way by the wheels of motor vehicles—how and why the engineers have not determined, largely because they have never possessed all the facts with regard to surface and subsurface conditions and character and weight of traffic.

CEMENT SPECIFICATIONS FOR FOREIGN COUNTRIES

The specifications that the various countries of the world use in buying Portland cement have been summarized in a chart that has just been issued by the Bureau of Standards of the Department of Commerce.

Cement is an international building material and thirty-two countries of the world have specifications for Portland cement twenty of which differ in important details from each other. Twenty-five others use the specifications of other countries in assuring the quality of the cement used in construction within the country, and many others accept the cement if it passes the test of the country in which is it made.

Though the specifications differ in details and values, they include the same kind of test in most cases. These are tests for chemical composition, specific gravity, fineness of grinding, setting time, soundness, and tensile and compressive strength.

In this country, there is one universal specification for Portland cement, which has been adopted by the commercial interests, testing engineers as well as the Government.

The Observer

R. C. Effinger, 201 Nixon Bldg., Reno, Nevada, desires to get in touch with San Francisco Architects and Contractors.

Plans for a statewide membership campaign are announced by the California Lumbermen's Association, recently organized as a clearing house for problems arising between manufacturers, wholesalers and retailers in the lumber industry. F. E. Conner of Sacramento is president and J. Hal Hunter, San Francisco, is secretary-treasurer of the association.

A delegation of San Francisco lumbermen will go to Los Angeles November 12 to attend the meeting of the Southern California Lumber Dealers' Association to continue the plans for organizing the various parts of the lumber trade into one organization. Recently an organization was formed, its purpose being to take care of matters arising between manufacturer, wholesaler and retailer in the lumber business. The organization is known as the California Lumbermen's Association. The support of the Los Angeles lumbermen is sought in this movement.

The dates of the Montana Irrigation and Drainage Institute in Great Falls have been changed to December 8, 9 and 10 from December 1, 2 and 3.

Frank Nikirk has been appointed city engineer of Madera at a salary of $200 a month.

The reduction of the rediscount rates from 6 to 5 per cent by the Kansas City Federal Reserve Board is expected to give impetus to the upward climb of business. There has been an improvement in the unemployment situation, an increase in the output of heavy manufacturing plants and record-breaking building operations in the last month. Both wholesale and retail merchants have experienced an improvement in business.

Shingles have dropped thirty cents a thousand, according to word from Seattle, Washington.

The District Office of the Hyatt Roller Bearing Co., 74 New Montgomery street, has been made the headquarters for the Pacific Coast Division, and unlike the other Hyatt organizations, the new "baby division" incorporates all three fields, namely: Motor, Tractor and Industrial. The Pacific Coast Division will be under the management of Mr. A. W. Fisher. Mr. Philip Overman has been transferred to Minneapolis and is succeeded by Lt. "Chip" Nagle, who looked after the mechanical inspection and experimental engineering at one of Uncle Sam's flying fields during the war.

In its monthly statement, the United States Steel Corporation reports unfilled orders on its books as of October 31, last, of 4,286,829 tons against 4,560,670 on September 30, a decrease of 273,841 tons.

E. J. Benson, formerly superintendent for R. J. Blanco, contractor of Vallejo, has taken over the management of the Vallejo Rock and Sand Company, relieving G. E. Green. Benson has had considerable experience as a contractor and should prove a business-getter for the Vallejo concern.

E. L. Standberg formerly structural engineer for the Vulcan Manufacturing Co., of Seattle, has opened offices in the Pioneer Building, that city, and will engage in private practice.

The Supreme Court has upheld contentions of the City of Springfield, Ill., that public utilities operated by municipalities can be exempted from jurisdiction of state laws regulating privately owned public utility corporations.

Now is the time to build. The Sacramento Board of Education estimated the cost of the Brete Harte School at $210,000. Eight bids were received, all being within the estimated cost. Lowest bid, $184,600; 2nd low, $187,200; third low, $189,950. Five other bids ranged from $190,217 to $207,287.

Paint manufacturers in the San Francisco district are turning to Shasta County's mineral fields for their supply of barium ore, according to word received from Copper City. Barium is widely used in the manufacture of certain grades of paint. Extensive deposits of the ore are found in Shasta County.

Freight rates on tin plate from Eastern points to the Pacific Coast are to be reduced as soon as the tariffs can be published and made effective, according to announcement by the Southern Pacific Company. The present rates from New York of $1.83½, Pittsburgh $1.66½ and Cincinnati $1.58½, will be reduced to $1.20 from all points. According to the Southern Pacific Company the Eastern lines have concurred in these reductions and efforts are being made to print the tariffs and place the reduced rates in effect with the least possible delay.

The new cable suspension bridge that spans the Trinity River at Don Juan Point, as far as known, is the first bridge in the world to be sent by United States mail. All the material, with the exception of the flooring—which was cut out near by—was shipped from Sacramento to the bridge by parcel post. The bridge has a 240-ft. span and was erected under the supervision of County Surveyor J. W. Phillips.

An exposition that will embrace $1,500,000 worth of labor-saving road machinery will comprise the coming Thirteenth National Good Roads Show at the Coliseum, Chicago, Ill., January 17-20, next, to be held in conjunction with the Twelfth American Good Roads Congress and Nineteenth Annual Convention of the American Road Builders' Association. The exposition will demonstrate the marvelous growth that has characterized the American road building industry in the past decade. At a drawing for space on October 29 more than 95 per cent of the 40,000 square feet of space available for exhibits was taken, necessitating the renting of additional buildings to accommodate exhibitors now applying for space. This great interest by manufacturers of road equipment surpasses that of any previous year and will make possible the exhibition of a greater and grander scale than ever before.

The Program Committee is now drawing up a strong program for the technical sessions of the Congress and many road builders from all parts of the country will be asked to discuss matters of vital interest. Invitations will be extended to sixty U. S. states and territories and Canadian provinces, County Commissioners and 3,000 Mayors of American and Canadian cities to appoint from three to five delegates and it is expected that by the selection of a comprehensive list of important subjects for discussion, the attendance this year will be greater than the record-breaking attendance of last year.

France is seeking an American to take full charge of the rebuilding of devastated France. The job has been offered to Henry C. Irons, New York construction man. This is taken to mean that much, if not all, the materials required for the work will be purchased on this side.

Until December 20 applications will be received by the U. S. Civil Service Commission for the following examinations: Structural engineer, $3,600 to $4,800 a year; economist, $3,600 to $4,800 a year; associate structural engineer, $2,500 to $3,600 a year; associate economist, $2,500 to $3,600 a year; assistant structural engineer, $1,800 to $2,400 a year; assistant economist, $1,800 to $2,400 a year; junior structural engineer, $1,200 to $1,500 a year; junior economist, $1,200 to $1,500 a year; administrative assistant, $2,000 to $2,500 a year. (All qualified with relation to the building industry.) Further information regarding these examinations may be had from the offices of the Commission at the San Francisco Postoffice. Apply for Form 2118, stating the title of examination required.

The November meeting of District No. 1 of the California State Association of Electrical Contractors and Dealers will be held at Bakersfield, Saturday, November 26. Special accommodations for electrical men of the Bay District have been reserved on the Southern Pacific Owl train, leaving the Oakland Mole Friday evening, November 25. The same train will leave Bakersfield for San Francisco at midnight, Saturday.

George H. Hopping, formerly an assistant in the County Surveyor's office, has been named County Purchasing Agent by the Yolo County Supervisors.

If 400 consumers can be signed up, J. F. Beales, engineer of Los Angeles, and J. J. Etter, former merchant of Madera, will erect a gas plant in Tracy, San Joaquin County, costing $60,000.

The San Vicente Lumber Company of Watsonville has been purchased by the Homer T. Hayward Lumber Company, now operating yards at Salinas, Paso Robles and Atascadero. The San Vicente company will hereafter transact a wholesale business exclusively from their mill at Santa Cruz.

WOMEN AS ARCHITECTS

California's eighth woman architect was granted a certificate to practice her profession recently in Sacramento. That is a conservative number. One would think that in the work of designing homes, particularly, women would find a most congenial field of usefulness. Woman's inability to climb around high buildings to inspect construction work has been cited as one of the reasons why architecture is not a profession for women. But with women pilots climbing around the clouds in airplanes and doing all sorts of dips and spirals without getting dizzy the objection does not seem a valid one even in the designing of high buildings.

Granted, however, that planning skyscrapers and other business structures may not be in line with woman's tastes and capabilities, there should be plenty of room for specializing at designing homes. Woman's taste, love of beauty and knowledge of the needs inside of a home should fit her particularly for this branch of architecture, and one might expect the home-making instinct to incline her to follow it in the choice of a profession. One thing is certain, the women all say, there will be no such thing as a sink adapted to the height of the woman who is going to use it, nor a bathtub placed so that it will be easy to sweep behind it until there are women architects to fight it out with carpenters and plumbers.—Stockton Record.

CLOSE TIMES HIT ORPHANAGE HEAVY BLOW

The close times and increased population, have dealt the Christian Home Orphanage of Council Bluffs, Iowa, a heavy blow. This institution cares for an average of 250 little children daily. It also conducts a department for aged, dependent women, and a department for deformed and crippled children. The institution was founded in 1882, and since that time has provided for an average of 500 homeless people annually. The institution is at present struggling under a heavy debt, and with winter at hand, and calls from the needy rapidly increasing, efforts are being made to wipe out the debt by a Thanksgiving offering. This institution is the only home that hundreds of destitute children and aged women know. The Home is supported entirely by voluntary contributions of charitable people. It receives children from any part of the country, employs no traveling agents and is absolutely non-sectarian. This great institution sorely needs your help now. Send them a Christmas donation and help them pay off the old debt and care for many hundreds who will seek food and shelter there this winter. Address, The Christian Home Orphanage, Council Bluffs, Iowa.

VALUE OF STANDARDIZATION

A cut of $600 in the construction costs of the average small house and a reduction of 20 per cent in practically all bills for plumbing equipment are possibilities in connection with the work of the new Division of Building and Housing recently established in the Department of Commerce, said F. M. Feiker, Special Assistant to Herbert Hoover, in a speech Oct. 22 before the National Editorial Conference. Mr. Feiker said that the $600 house construction saving depended largely upon the national adoption of standardized code regulations with regard to fire-walls. The reduction in plumbing costs is also a matter of standardization.

Huge Fund is Available for Public Works Construction

More than $60,000,000 in municipal bonds have been sold recently, in 13 states and more than $34,000,000, in addition, have been offered for sale. Besides, $10,000,000 in state bonds have been sold, and an equal amount have been offered for sale. These statistics were made public by the President's Conference on Unemployment. They were compiled as part of the study which is being made regarding public works, and the possibility for hastening their construction to relieve, in some measure, the nation's heavy rate of unemployment.

The largest state bond sale was Illinois, of $5,000,000 for highways, Michigan offered $4,000,000 bonds, also for highways, and $3,000,000 of these had been sold when the figures were compiled on October 31. The state of Michigan is also offering $10,000,000 in bonds for the soldiers' bonus. Connecticut recently disposed of $2,000,000 in bonds. The rate of the state bonds was 4 per cent for Illinois, 5 per cent for Connecticut, 5.5 for the soldiers' bonus of Michigan, and 5.75 for that state's highway bond.

A wider variance of rate was shown in the municipal bonds. These ranged from 4 per cent, as in the Chicago issue of $1,500,000 for park improvements, to 7 per cent for the $1,000,000 in school bonds being offered at Hibbing, Minn., but the majority were 6 per cent bonds.

Public works which it is hoped will be erected or extended by these municipal bonds include highways, schools, sewers, filtration plants, water works, hospitals, parks, forest preserves, bridges, lights, paving, court houses, fire department and police department equipment, streets, and sidewalks, beach improvements, and memorial play grounds.

The totals for 13 states of municipal and township bonds recently sold or offered for sale are: Illinois, sold $2,010,000, offered $4,500,000; Connecticut, $2,943,000—$1,703,000; New Hampshire, $345,000—$230,000; Michigan, $11,277,500—$1,622,500; Wisconsin, $8,671,000—$581,000; Ohio $9,999,700—$1,458,000; Rhode Island, $200,000—$290,000; Pennsylvania, $4,800,000 — $16,179,500; New York, $3,667,370—$2,024,626; Minnesota, $4,362,000—$2,853,764; New Jersey $8,028,800—$448,500; Massachusetts, $2,581,500—$1,035,000; Indiana, $2,004,600—$1,780,575. Totals or these states amounted to $60,890,970 in municipal and township bond sales, and $34,706,465 in additionl bonds offered. The sales and offerings of bonds of the States of Illinois, Connecticut and Massachusetts are not included in these totals for municipalities and townships.

The hastened construction of necessary public works, in order to start the wheels of industry turning, and especially to provide work for unemployed laborers during the winter months, was one of the recommendations of the President's Conference on Unemployment. Secretary Hoover, chairman of the conference, has called attention to this in his letters to the Governor's of states and the Mayors of cities, asking their cooperation in formation of local unemployment committees and in carrying out whatever recommendations of the conference are applicable to their local needs. Col. Arthur Woods former Police Commissioner of New York City is chairman of the Committee on Civic and Emergency Measures, and is in correspondence with Mayors of cities of more than 20,000 inhabitants to learn the status of their unemployment and what emergency measures they are taking to provide jobs for men and women who need them.

Col. Woods believes that the construction of needed public works, at this time, is one of the most practical and helpful means of relieving the nation's unemployment crisis. He especially urges the immediate commencement of work on projects that have been voted or contemplated. By doing this work now instead of a few months later, he says, work will be provided for many men who otherwise may be unable to support their families this winter. Besides, it may prove economical to the municipalities to let contracts during this period of advantageous prices.

Commenting upon the large amount voted for public works within the last few weeks, Col. Woods said: "All of this work will undoubtedly go forward within a few months. If, by any encouragement we can give any of this work can be put under contract even a few days earlier than otherwise, the unemployment period will have been diminished to that extent and to that degree.

Otto T. Mallery, a member of the State Industrial Board of Pennsylvania, is Secretary of the Public Works Committee of the President's Conference on Unemployment. Mr. Mallery is greatly pleased at the interest in public works construction which is manifest in so many communities at this time.

"The active participation of so many cities in the expansion of their public works during the present period of unemployment is most encouraging," said Mr. Mallery. "The demand for the materials required is putting new groups to work and vitalizing dormant industry. In addition, one must not forget that the psychology of courage is contagious. What one town does today assists other towns tomorrow, and when many are actively prosecuting public works, the whole industrial wagon is oiled up and moving.

"The recommendations of the Unemployment Conference contemplate Federal leadership in the expansion of public works in bad years by deferring a portion of ordinary public work from years when business is booming and men and materials are competed for by private industry. In times of plenty, prepare for famine, and there will be no famine. In the carrying out of this policy the cities and states are even more important than the Federal Government, as they execute five times the amount of Federal public works in the average year. The gradual cooperation on the part of the cities and states can be even greater than at present when such advance planning has become a custom, based upon their experience that it is true economy and sound local and national policy."

Mr. Mallery called attention to the Federal appropriation for public roads which has just been passed by Congress, and to the Smith bill which is being speeded up by the House Committee on the Irrigation of Arid Lands. The latter bill would appropriate $20,000,000 for the immediate prosecution of reclamation projects already begun. Both of these Federal appropriations, Mr. Mallery stated, will provide work for many who are now in great need.

METHOD OF RESURFACING AN OLD PAVEMENT WITH CONCRETE

The County Highway connecting at the city limits of Terre Haute, Ind., with South 7th street, was, prior to 1918, surfaced with a bituminous type of pavement which had a total thickness of 9 inches. In 1918, the officials determined to rebuild, and decided to resurface with Portland cement concrete.

With the methods used on the Grand River Road in Wayne County, Michigan, in mind, the specifications for the resurfacing were prepared to require a layer of concrete from 3 to 4 inches thick, reinforced and proportioned 1 part cement, 1½ parts washed sand and 2½ parts washed pebbles under 1¼-inch maximum size. All of the depressions in the old surface were first filled with concrete and brought to a fairly uniform grade. As it was thought necessary to provide an effective separation between the old and new pavements, the old surface was carefully cleaned, sprinkled with water and given, while still wet, a hot application of Tarvia "XC." The hot Tarvia immediately spread out in a very thin layer (just as oil spreads when poured on water), and then on cooling, hardened, forming a complete plane of separation between the old base and the new concrete wearing surface. (Note: Other instances of concrete resurface construction indicate that this separation plane of bituminous material is unnecessary. Jefferson street, Kirksville, Mo.; Warsaw street, Toledo, Ohio, and the Janesville Plank road, Milwaukee County, Wisconsin, were resurfaced with concrete, the new material being placed directly upon the cleaned surface of the old concrete base. These examples are now from two to five years old, and are giving entirely satisfactory service.) The new layer of concrete was brought to a grade which would provide a minimum thickness of 3 inches and varied from this amount to as much as 4½ inches at certain points where the old pavement had settled. It was reinforced with No. 8 Truscon ribbed metal, having an effective weight of 48.4 pounds per 100 square feet. The metal was placed uniformly 2½ inches below the final surface. Construction work was carried on by county forces and was very carefully inspected. The resurface layer was provided at 40-foot intervals with unprotected transverse expansion joints filled with Elastite. The consistency of the concrete was controlled by limiting the amount of water used to that which would produce a plastic mix.

Curing was accomplished by the ponding method, as the grade of the street was almost level and an ample supply of water was obtainable from city mains.

The pavement is 18 feet wide and lies on one side of the street. An interurban car track parallels the pavement, the nearest rail being 5 feet away. Practically all of the traffic using the street follows the paved section because of the location of the car track and the condition of the unpaved road surface on the other side. The traffic is mixed and described as "very heavy." An average of 10,000 vehicles daily use this pavement.

At the present time (1921) the entire section is in excellent condition and almost entirely free from cracks.

The work was done under the direction of Ernest Altekruse, County Superintendent of Roads, Vigo County, Terre Haute, Ind.—Engineering and Contracting.

A proclamation in 1580 prohibited the erection of additional buildings in London.

Architects and Builders Confer on Merits of Quantity Survey

The use of Quantity Surveys is attracting the very earnest attention of architects, engineers and builder contractors throughout the country. Theoretically the principle involved seems to be sound and a long step in advance in carrying out construction's end in the campaign for the elimination of waste in industry.

As showing what these interested in the matter are doing in Milwaukee along this line, are given below some of the reasons for advocating the Quantity Survey, as presented at a joint conference held in that city and published by the Builders' Bulletin of Milwaukee:

Bidders Have Equal Chance

"The quantities of materials needed for the erection and completion of any construction project can positively and accurately be determined from the plans and specifications by a competent estimator and consequently there should be no difference in the quantities upon which the respective bidders base their proposals.

"At a joint conference recently held by five prominent Milwaukee architects, representing the lacol chapter of the American Institute of Architects, and a committee of builders, who represented the Quantity Survey Bureau of the Milwaukee Master Carpenters' Association, the correctness of the foregoing assertions, made by several of those present, was conceded by all, and it was the unanimous opinion that uniform lists of quantities can and should be prepared for the use of bidders. In other words: the Quantity Survey system, as such, was endorsed unqualifiedly. One of the architects present, in commenting upon this matter, made the remark: 'Competition of bidders should be on prices only—not on the quantities.'

No Difference of Opinion

"Inasmuch as there can be no difference of opinion among or between fair-minded architects, engineers, builders and owners as to the value, usefulness and adaptability of the quantity survey, the only question to be solved seems to be that of how to equitably charge for the work of preparing the required quantity lists and how best to collect such charges.

Quantity Lists to Invited Bidders

"Under the system adopted by the Master Carpenters' Quantity Survey Bureau its lists of quantities are furnished only to invited bidders whose names have been given to the Bureau by the architect or the owner. A certain charge is made for this service, based on the value of the proposed job, and to a certain extent on the total number of bidders. Each bidder is advised by the Bureau of the total charges and this sum is then included by each one in his bid. The contractor to whom the job is let is required to pay the said charges to the Bureau, thus reimbursing it for its cost of preparing the lists. It is not the plan of the Bureau to make any profit whatever in the matter, but simply to receive proper payment for its labor. Neither does the Master Carpenters' Association seek any financial gain out of the Bureau. Its sole object is to improve and safeguard bidding and to make the same more uniform through the use of uniform, correct lists of quantities. All bidders are placed on the same basis, as regards quantities to materials, and as their competition can therefore be on prices and labor only it is entirely up to each individual bidder to improve the efficiency of his working forces and to give closer supervision to their work and to the job itself if he wants to be successful in his business.

Only 50 Per Cent of Jobs Constructed

"As only about 50% of all jobs go ahead it is evident that the Bureau's charges are twice as much as they would be if every owner were to pay for the quantity lists, whether he lets the contract or not. Some of the architects at the conference were of the opinion that the owner should be required to pay in all cases. If that could be accomplished the cost of the Bureau lists would be cut 50%. It was upon the method of paying or collecting for the lists that a little difference of opinion was had at the conference and it therefore was decided to call another joint meeting to further consider this important phase of the matter.

"However, all architects who have given any consideration to the question of a quantity survey are very liberally co-operating with the Bureau in furnishing promptly to the same their plans and specifications and also providing it with the names of their invited bidders.

"We want our entire proposition to be open and above board and to fully understood by everybody — architects, owners, builders and the general public. Only through openness and publicity can we expect to succeed."

MILL WORKING OVERTIME

To meet increased demands for lumber, it has been necessary for the Weed Lumber Company at Weed to operate its sawmill nine hours a day. The sash and door factory is still running two hours overtime, four days a week and a night shift is working in the veneer plant.

CONTRACT PRICES IN IOWA ROAD WORK

According to the Service Bulletin of the Iowa Highway Commission, the general average for all grading contracts let up to August 1 had been 36.4 ct. per cubic yard. The July average was 30.8 and the June average was 29.5 ct. Gravel hauling prices have averaged 61.4 ct. per yard for gravel hauled not over one mile and spread and 16.4 ct. for each additional one-half mile haul. July prices averaged lowest of the season at 13.7 ct. Over 211 miles of tile drainage have actually been constructed for at an average for the six-inch tile of 71.1 ct. for the material and 8.5 ct. for the tile labor. The monthly average was lowest in July with 5.5 ct. for the material and 7.3 for the tile labor.

TEXAS AND ILLINOIS MAKE FEDERAL AID RECORDS

At the close of the fifth fiscal year since the passage of the Federal aid road act, which was signed by the President July 11, 1916, the States and Federal Government had completed 7,469 miles of road and 17,977 miles additional were under construction and half completed.

Texas ranked first in the amount of miles completed, with 682 miles.

Illinois leads all States in the amount of Federal aid on projects completed and under construction, with $11,807,906. Texas is a close second with $11,393,485.

Building News Section

APARTMENT HOUSES

Plans Being Prepared.
ALTERATION Cost, $12,500
SAN FRANCISCO. S. McAllister St. E. Divisadero St.
Alter 3-story frame flat bldg. into 6 apts (three 4-room and three 3-room).
Owner—Mr. Levin.
Architect—S. Heiman, 57 Post St.

Plans Being Figured.
STORE & APT. HOUSE Cost, $27,000
SAN FRANCISCO. SW Geary and 2d Avenue.
Two-story frame and plaster store and apartment house (four 5-room apts., 1 store and 4 garages).
Owner—I. Epp.
Architect—S. Heiman, 57 Post St.

Contract Awarded.
APARTMENTS Cost, $14,000
SAN FRANCISCO. E. Palm Ave. 150 S. California.
Two-story and basement frame (4) apartment bldg.
Owner—I. Silverstein, 215 7th Ave.
Architect—S. Heiman, 57 Post St.
Contractor — Cohn & Nordstrom, 110 Sutter St.

To be Done by Day's Work.
APARTMENTS Cost, $200,000
SAN DIEGO, Cal. Juniper St. Between Third and Fourth Streets.
Four-story reinforced concrete apartment house (53 apts., 2 to 5 rooms, 1st unit).
Owner—James E. Collumb.
Architect — Eugene M. Hoffman, Spreckels Bldg., San Diego.

Plans Completed.
APARTMENTS Cost, $250,000
CORONADA, San Diego Co., Cal.
Four-story reinforced concrete apartment house.
Owner—Lt. Sheridan B. Fry.
Architect—Louis J. Gill, San Diego.

Bids Under Advisement.
APARTMENTS Cost, $——
SAN LEANDRO, Alameda Co., Cal.
Two-story and basement brick apartment house.
Owner—Proster Godchaux.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Lawton & Vezey, Call Bldg., S. F. and Plaza Bldg., Okd. $33,130
M. C. Vaughn, Oakland 33,500
John Morton, San Francisco 33,640
Larsen & Siegrist, S. F. 33,820
Cobby & Owsley, S. F. 36,595

Owner Taking Sub-Figures.
APARTMENTS Cost, $70,000
SAN FRANCISCO. W. Jones 100 N. Bush.
Five-story and basement concrete Class "C" (31) apartments.
Owner—L. B. Ham, 105 Montgomery Street.
Architect—A. Merrill Bowser, Hearst Bldg.

Plans Completed.
APT. HOUSE Cost, $14,000
SAN FRANCISCO. SE Ashbury and Clifford.
Two-story and basement frame (6) apartment house.
Owner—W. H. Humphrey, 1279 19th Avenue.
Architect—Thomas Bros., Russ Bldg.

Contract Awarded.
STORE AND APTS. Cost, $11,000
SAN FRANCISCO. Union St. near Hyde.
Three-story frame store and apartment house.
Owner—M. E. Smith.
Architect—J. H. Powers, 460 Montgomery St.
Contractor—H. Hogrefe, 345 Leavenworth St.

SANTA ROSA, Sonoma Co., Cal.—Robt. O'Connor of the O'Connor Furniture Co., has purchased property in Ross St. and plans the erection of a modern apartment house.

EUGENE, Ore.—Architect John Hunzicker, Eugene, will shortly take bids for constructing 3-sto., 80x160-ft., brick, (48) apartments; estimated cost, $100,000. Structure will be operated in connection with the Hotel Osburn at Eugene.

BANKS

LOS ANGELES, Cal.—The Bank of Italy will erect a 12-sto. class A bldg. at the n. w. cor. of 7th and Olive Sts. if the lease on the property for which negotiations are underway is consummated. The site is 113x118 ft.

BONDS

SAN MATEO, San Mateo Co., Cal.—Bonds of $360,000 voted to purchase site and erect new union high school. Site will cost $60,000 and school $300,000. No architect has been officially selected to prepare plans.

OAKDALE, Stanislaus Co., Cal.—A bond issue of $45,000 will be submitted to pay part of the cost of street paving and other improvements estimated to cost $75,000.

PHOENIX, Ariz.—Bids will be received by Supervisors of Maricopa County for purchase of $4,500,000 bonds voted subsequent to first issue of $4,000,000 for constructing paved roads. There remains $372,354 of the original bond issue and the Supervisors hope to sell the second issue at once, so that highway construction may be continued without interruption.

REDWOOD CITY, San Mateo Co., Cal. — Supervisors sell $300,000 bond issue of Sequoia Union High School District for a premium of $15,759. Proceeds of the sale are to finance construction of a new high school.

BISHOP, Inyo Co., Cal.—Supervisors sell $15,000 issue of Independence Elementary School District; $35,000 issue of Owens Valley Union High School District and $2,000 issue of Aberdeen School District. Proceeds of sale, in each instance, will finance school improvements.

YUMA, Ariz.—A block of $256,000 county highway bonds has been sold at 92, the discount being covered by private subscriptions. This money will be spent on Yuma-Phoenix highway.

SAN FRANCISCO.—A syndicate of bankers has purchased the remaining $8,520,000 worth of the $45,000,000 Hetch Hetchy bond issue. The sale of the bonds will allow the city to proceed with construction on the Hetch Hetchy project on an extensive scale. M. M. O'Shaughnessy, City Engineer.

BLYTHE, Riverside Co., Cal.—The $143,000 balance of Palo Verde Joint Levee Dist. bonds have been sold and repairs on levee will be started soon. C. K. Clarke is engineer in charge.

PALO ALTO, Santa Clara Co., Cal.—Bonds of $40,000 voted at a recent election to finance enlargement of the city library.

PIEDMONT, Alameda Co., Cal.—Bonds of $65,000 were voted at a recent election to finance construction of a main outlet sewer from the west city limits of Piedmont in Grand Ave. through Oakland to the estuary. The city of Oakland has agreed to pay 57.315 per cent of the cost.

MONTEREY, Monterey Co., Cal.—City Council has ordered estimates of cost prepared for harbor improvements. It is proposed to call a bond election to finance the work. H. D. Severance, City Engineer.

PIEDMONT, Alameda Co., Cal.—Bonds of $50,000 were voted at a recent election to finance the purchase of a site and improve a city park. Of the total amount voted $10,000 will be used for improvements.

CHURCHES

Commissioned to Prepare Plans.
SOCIAL HALL, ETC. Cost, $——
PASADENA, Los Angeles Co., Cal. E Colorado and Herkimer Sts. (rear).
Educational and recreation building (classrooms, social hall, skating rink, bowling alley, etc.)
Owner—Pasadena Presbyterian Church
Architects — Marston & Van Pelt, Chamber of Commerce Bldg., Pasadena.

Contract Awarded.
CHURCH ADD. Cost, $4,000
RICHMOND, Contra Costa Co., Cal.
One-story brick veneer and shingled addition to church for Sunday school.
Owner—First Presbyterian Church.
Architect—None.
Contractor—P. M. Sanford, Richmond, Cal.

Completing Plans.
CHURCH Cost, $100,000
SANTA MONICA, Cal.
Two-story and basement brick or frame and plaster church, 110x139 (26 classrooms)
Owner—First Presbyterian Church
Architect—C. F. Skilling, 430 Bradbury Bldg., Los Angeles.

Plans Being Prepared.
CHURCH BLDG. Cost, $——
GLENDORA, Los Angeles Co., Cal.
Two-story reinforced concrete church, 80x115.
Owner—Glendora Christian Church.
Architect—H. M. Patterson, 325 O. T. Johnson Bldg., Los Angeles.

PORTLAND, Ore. — Architects De Young & Roald, Spalding Bldg., Portland, completed plans for Rose City Methodist Church to be erected at Sandy Boulevard and The Alameda. Building will be 86 by 58 feet in size with Sunday school annex 60x75 with reinforced concrete and hollow tile walls. Dr. Chas. Wesley Huett, Pastor.

FACTORIES & WAREHOUSES

Contract Awarded.
WAREHOUSE Cost, $115,000
LOS ANGELES. Western Ave. near 1st St.
Eight-story reinforced concrete storage warehouse 60x100.
Owner — Wilshire Fireproof Storage Co.
Architect—E. T. Flaherty, 435 I. W. Hellman Bldg., Los Angeles.
Contractor — C. A. Fellows, Central Bldg., Los Angeles.

Contract Awarded.
LOFT BLDG. Cost, $45,000
OAKLAND. W. Webster St. N. 14th Street.
Two-story and basement reinforced concrete loft building, 50x150.
Owner—Max Horwinski.
Architects—Sidney B. and Noble Newsom, Nevada Bank Bldg., San Francisco.
Concrete work to M. C. Vaughn, 357 12th St., Oakland, $27,584.
Reinforcing steel to W. S. Wetenhall, 604 Mission St., S. F., $8849.
Ornamental iron work to Frauneder Orn. Iron Wks., 335 8th St., Oakland.
Elevator to Otis Elevator Co., Beach and Stockton Sts.
Bids are now being taken for electrical work and plumbing.

Plans Being Prepared.
LOFT BLDG. Cost, $——
GLENDALE, Los Angeles Co., Cal. Brand Blvd. and Harvard St.
Three-story brick loft building, 52x120.
Owner—John G. Huntley and W. E. Evans.
Architect—Alfred F. Priest, 619 Fay Bldg., Los Angeles.

Contract Awarded.
WAREHOUSE Cost, $1575
HEALSBURG, Sonoma Co., Cal. Mason and Fitch Streets.
Wood frame and corrugated iron warehouse.
Owner—County of Sonoma, W. W. Felt Jr., Clerk.
County Surveyor—R. Press Smith.
Contractor—Henry Mathisen, Healdsburg.

Figures To Be Taken First of Next Week.
LOFT BLDG. Cost, $35,000
SAN FRANCISCO. S. Howard bet. 1st and 2nd Sts.
Four-story reinforced concrete loft building.
Owner—H. Rumps.
Architect—H. C. Baumann, 251 Kearny Street.
Figures will be taken for a general contract.

Contracts Awarded.
CREAMERY BLDG. Cost, $160,000
DAVIS, Yolo Co., Cal.
Two-story reinforced concrete and tile creamery building.
Owner—Universtiy of California.
Architect—Wm. C. Hays, 1st Nat. Bank Bldg., San Francisco.
Concrete work to K. E. Parker Co., Clunie Bldg., S. F., $48,164.
Hollow tile and terra cotta to I. M. Sommers Co., Balboa Bldg, San Francisco, $19,613.
Plumbing to Scott Co., Oakland, $8093.
Tile work to H. T. Fisher T. & M. Co., Stockton, $9098.
Portions of the work will be re-advertised.

Contracts To Be Awarded.
FACTORY BLDG. Cost, $25,000
EMERYVILLE, Alameda Co., Cal. Powell and Beaudry Sts.
One and 2-story brick and concrete factory, 30x172 ft. (1st unit.)
Owner—Great Western Meter Co. (R. J. Lyman, Pres), 105 Montgomery St., San Francisco.
Architect — Geo. Rushforth, 354 Pine St., San Francisco.

(1) Brick Work and Excavating
Mealey & Collins $12,500
M. B. McGowan 14,583
J. J. Pringle 17,250

(2) Concrete Floor
C. W. Haun $1,085

(3) Carpentry, Millwork, Roofing, Painting, and Glass
Alfred H. Vogt $4,563
Arthur Laxton..... 5,178

(4) Steel Windows
Truscon Steel Co.....$491
Detroit Steel Products..... 510

(5) Steel and Iron Work
Western Iron Works.....$735
Shrader Iron Works 790
F. S. Herrick Co. 796

Contracts will be awarded to the low bidders as follows:
(1) Mealey & Collins, 180 Jessie St., San Francisco, $12,500.
(2) C. C. W. Haun, 180 Jessie St., San Francisco, $1,085.
(3) Alfred H. Vogt, 185 Stevenson St., San Francisco, $4,563.
(4) Truscon Steel Co., 527 10th St., San Francisco, $491.
(5) Western Iron Works, 141 Beale St., San Francisco, $735.
Total, $19,374.
Bids will be taken shortly on the plumbing, plastering, electric wiring and heating.

Plans Being Prepared.
BRICK BLG. Cost, $75,000
SAN BERNARINO, Cal. Fourth and E Streets.
Two-story and basement brick building, 98x100.
Owner—W. P. Fuller & Co.
Architect—F. T. Harris, Katz Bldg., San Bernardino.

Contract Awarded.
LOFT BLDG. Cost, $50,000
LOS ANGELES, Cal. Maple Ave. bet. 9th and 10th Sts.
Three-story brick loft bldg., 100x126.
Owner—W. A. Faris.
Architect—Frank M. Tyler, Hibernian Bldg., Los Angeles.
Contractor—A. W. Ross, 1007 Haas Bldg., Los Angeles.

BERKELEY, Alameda Co., Cal.—Council, E. M. Hann, City Clerk, appropriates $1750 to finance construction of auto shed at Municipal Corporation Yard.

REDDING, Shasta Co., Cal.—D. F. Bennett, Redding, at $2550 awarded contract by the Supervisors to build a county warehouse. Other bidders: William Stephens, $4345; B. F. McKenzie, $3291 and J. P. Brennan, $3587.

LONG BEACH, Los Angeles Co., Cal.—The Kimball Motor Truck Mfg. Co. has opened offices and drafting rooms on the second floor of the Jones Bldg., 1261 American Ave., Long Beach, where the company's draftsmen under the direction of M. O. C. Hull, vice-president, will prepare plans for a group of three factory structures to be erected on a 4-acre site on W. Anaheim Blvd., W of the flood control channel, Long Beach, for the company. First unit, 60x300 ft. Character of construction undetermined.

FLATS

Figures To Be Taken End of This Week.
FLATS Cost, $24,000
SAN FRANCISCO. Filbert, near Baker.
Three 2-story and basement frame and plaster flat buildings, three 5-room flats each, with garage in basement.
Owner—Withheld.
Architect—Arthur S. Bugbee, 26 Montgomery St.

To Be Done By Day's Work.
FLATS Cost, $9,500
SAN FRANCISCO. E. 24th Ave. 100 S. Geary. Two-story and basement frame (2) flats.
Owner—A. M. Hardy, 6217 California Street.
Architect—Plans by Owner.

Contract Awarded.
FLATS & STORE Cost, $13,000
SAN FRANCISCO. E. Grant Ave. 87 S. California.
Three-story and basement brick (2) flats and store.
Owner—M. Marsicano, 781 Green St.
Architect—Paul F. Demartini, 946 Broadway.
Contractor—J. Martinelli, 180 Jessie Street.

Contract Awarded.
FLATS Cost, $13,500
SAN FRANCISCO. E. Larkin St. 80 N. Pacic Ave.
Two-story and basement frame and plaster (two 5-room) flats.
Owner — Geo. G. Shepston, 430 Sansome St.
Architect—Ernest Hildebrand, 68 Post St., San Francisco.
Contractor—Wm. McIntosh, 180 Jessie Street.

Plans Being Figured.
FLAT BLDG. Cost, $——
SAN FRANCISCO. E. 22nd Ave. 150 N. Lake St.
Two-story and basement frame and plaster flat bldg. (two 7-room, mission style).
Owner—G. McDonald.
Architect—Kenneth MacDonald Jr., 234 Pine St.

Contract Awarded.
FLATS Cost, $13,800
OAKLAND, Alameda Co., Cal. Lakeshore Ave.
Two-story and basement frame and plastered flats (two 5-room and sleeping porch and basement garages).
Owner—George Scriavini.
Architect—Paul F. Demartini, 946 Broadway, San Francisco.
Contractor—McIntosh Bros., 180 Jessie St., San Francisco.
The contract includes all work except heating and light fixtures.

Plans Completed.
FLATS & STORE Cost, $12,000
SAN FRANCISCO. SE Balboa and 22nd Avenue.
Two-story and basement frame (3) flats and store.
Owner—P. Joyce, 277 16th Ave.
Architect—Thos. M. Jones, 3727 Army Street.

Plans Completed.
FLATS Cost $16,000
SAN FRANCISCO. W Fifteenth Ave. 150 S Balboa.
Two two-story and basement frame flats (2 flats each).
Owner—Otto M. Fitzgerald, 617 15th Ave., San Francisco.
Architect—None.

GARAGES

Contract Awarded.
ADDN. TO GARAGE Cost. $23,872
SAN FRANCISCO. Post and Taylor Streets.
Addition to class "A" reinforced concrete garage.
Owner—Musto Estate.
Architect—Meyer & Johnson, Bankers' Inv. Bldg., San Francisco.
Contractor—American Concrete Co., Humboldt Bank Bldg.

Plans Being Prepared.
GARAGE BLDG. Cost. $——
EUREKA, Humboldt Co., Cal. County Hospital grounds.
Garage building.
Owner—County of Humboldt, Fred M. Kay, County Clerk.
Architect—Frank T. Georgeson, Eureka, Cal.

PORTLAND, Ore.—Architects Sutton and Whitney, Lewis Bldg., complete sketches for proposed 5-story reinf. concr. garage to be erected at southeast corner Pine and Fourth streets for Claude Starr.

PORTLAND Ore.—Architects Sutton and Whitney, Lewis Bldg., completing plans for rebuilding brick building at southwest corner of Broadway and Taylor street, owned by Meier and Frank Co. Approximately $60,000 will be expended in remodeling the structure for a garage and store building.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—William Simpson Constr. Co., Marsh-Strong Bldg., Los Angeles, which was second low bidder at $266,296 for erecting 8 bldgs. at U. S. P. H. S. hospital at Whipple Barracks, Ariz., may be awarded the contract as it is understood the low bidder did not include millwork in his bid. The bldgs. will be of hollow tile construction.

WASHINGTON, D. C.—Until Dec. 1, 3 P. M., bids will be received by the Supervising Architect, Treasury Department, Washington, D. C., for furnishing and placing riprap and constructing pile breakwater at U. S. Quarantine Station, Galveston, Texas. Plans may be had from the Supervising Architect at Washington.

WASHINGTON, D. C.—(Bureau of Yards and Docks, Navy Department.)—Bids are wanted until December 7, Spec. 4545, for steel shelving, counters, bins and wire partitions at San Diego, Cal. Deposit for plans, $10. For information, address above.

WASHINGTON, D. C.—(Bureau of Yards and Docks, Navy Department.)—Bids are wanted until Nov. 30, Spec. 4551, for drinking fountains and ice coolers at San Diego, Cal. Deposit for plans, $10. For information, address above.

OFFICE [illegible] ARCHITECT, TREASURY DEPARTMENT, Washington, D. C.—Sealed proposals will be received at this office until 3 P. M., November 23, 1921, and then opened for supplying and installing court room benches in the postoffice building at Sacramento, Calif., and Woodward, Okla., to be made in strict accordance with department drawings and specifications. The department reserves the right to reject any or all bids and to waive defects. Telegraphic bids or modifications of bids will not be considered. Each proposal must be accompanied by a certified check, in the sum of 10% of the aggregate amount thereof, drawn to the order of the Treasurer of the United States, as a guarantee of good faith. Jas. A. Wetmore, Acting Supervising Architect.

WASHINGTON, D. C.—The following bid was received by the Supervising Architect, Treasury Department, Nov. 2, too late to be included in regular abstract published in these reports for construction of 2 semi-ambulant quarters, 4 double quarters for officers, 1 double quarter for first class personnel and 1 quarter for married attendants at the U. S. Public Health Service Hospital, Whipple Barracks, Ariz.:

Wm. MacDonald Construction Co., Odd Fellows Bldg., St. Louis, $277,698.

The following bids were received at Whipple Barracks:

Wm. Simpson Co., Los Angeles, Cal., $266,296.

Jay J. Garfield, Tuscon, Ariz., $272,000.

Prescott Construction & Engineering Co., Prescott, Ariz., $294,990.

C. E. Carson Co., Chicago, Ill., $284,000.

Anderson Construction Co., El Paso, Texas, $314,240.

T. B. Stewart, Phoenix, Ariz., $319,850.

DENVER, Colo.—Until Dec. 28, 2 P. M., bids will be received by U. S. Reclamation Service, Denver, Color., for furnishing one 36-in. balanced needle valve for Shoshone Dam, Shoshone Project, Wyo.

WASHINGTON, D. C.—Until Nov. 26, 10:30 A. M., under Circular No. 2280, bids will be received by Panama Canal Commission for fur. and del. Balboa, Pacific Port, 225 tons asphalt for use in surfacing concr. and macadam roads and 50 cedar or juniper bars, 45 to 50 ft. long.

WASHINGTON, D. C. — Ross Construction Co., Forum Bldg., Sacramento, at $16,800 awarded contract by Bureau of Yards and Docks, Navy Department, to construct marine barracks, foundations for dispensary and post exchange at San Diego, Cal., under Spec. No. 4528; time to complete work, 85 days.

Wm. Simpson Construction Co., P. O. Box 1415, San Diego, awarded contract at $49,095 for boiler plant equipment, hospital reservation, San Diego, under Spec. No. 4494; time to complete, 180 days.

WASHINGTON, D. C.—Following bids received by Supervising Architect, Treasury Department, for installing mechanical equipment in the U. S. Public Health Service Hospital, Fort Bayard, N. M.:

S. Faith Co., 2427 Penn. Ave., Philadelphia, $204,277, 200 days.

H. W. Bond & Bro., New Orleans, La., $306,700, 7 months.

G. E. Engineering Co., New York City, $214,000, time specied.

John R. Proctor, Inc., New York City, $274,000, 7 months.

Austin Engineering Co., New York City, $323,000, time specified

Otto W. Lindeburg, South River, N. J., $212,528, 210 days.

Noland-Clifford Co., Newport News, Va., $214,887, 210 days.

W. G. Cornell Co., Washington, D. C., $249,720, time specified.

Sumner-Sollitt, Chicago, Ill., $298,000, 200 days.

R. E. McKee, El Paso, Texas, $277,900.

Elliott Engineering Co., El Paso, Tex., $278,800.

James A. Brennan, El Paso, Texas, $293,950.

DENVER, Colo.—Until Nov. 23, 2 P. M., bids will be received by U. S. Reclamation Service, Denver, Colo., for furnishing cast iron gates and gate hoists; Specifications No. 268-D for Yuma auxiliary project, Arizona-California. Material to be furnished will require about 12,000 pounds of metal work.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 8839, Puget Sound, 3 pyrometers, Dec. 6.

Schedule 8976, various eastern and western yards, ship augers and bits, Dec. 6.

Schedule 9008, Mare Island, 30,000 gallons alcohol, Dec. 6.

Schedule 9012, Puget Sound, 800 gallons varnish, Dec. 6.

Schedule 9017, various eastern and western yards, wood screws, Dec. 6.

Schedule 9018, Mare Island, machine screws, Dec. 6.

Schedule 9030, Mare Island, wire cloth, Dec. 6.

Schedule 9032, Puget Sound, locks and latches, Dec. 6.

Schedule 9041, Mare Island, tallow, Dec. 6.

Schedule 9001, for Philadelphia, Hampton Roads, Mare Island and Puget Sound, 1,835 boiler tube brushes and 1,000 steel wire rectangular casting brushes, Nov. 29.

Schedule 9016, for Mare Island, 180 ft. rubber suction hose, 2,000 ft. air hose, 5,000 ft. engineer and wash wash deck hose and 5,000 ft. rubber garden hose, Dec. 6.

Schedule 9026, for Puget Sound, 1,400 ft. seamless cold drawn steel tubing, Dec. 6.

Schedule 9027, for Puget Sound, 500 gauge glasses and 100 water gauges, Dec. 6.

Schedule 9031, for navy yard, Puget Sound, 4,900 lbs. soft sheet commercial brass and 375 lbs. cold rolled sheet copper, Dec. 6.

SAN FRANCISCO. — Until Nov. 29, 11 A. M., under Order No. 3383, bids will be received by U. S. Engineer Office, 240 Montgomery St., for furn. and del., regular wharf, Rio Vista, Solano County (alternative bids for delivery at Pittsburg, Antioch or other nearby points): 500 pcs. 3"x4"x16' redwood, constr. grade, rough; 1000 pcs. 2"x6"x 14' Oregon pine No. 2 common, rough; 20 pcs. 2"x6"x16' Oregon pine No. 2 common, rough, 200 sq. ft. 1"x4" T. & G. Oregon pine; 6 bundles redwood shingles; 3 bundles pine lathe; 300 ft. B.M. 1"x12" pine No. 2 clear, S. 4 S.; 24 pcs. 1"x12"x12' pine No. 2 clear, S. 4 S., 10 pcs. oak 3½" diam., round, x 18' long, clear.

SAN FRANCISCO.—Until Dec. 2, 11 A. M., under Order No. 3395, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del., f. o. b. regular wharf, Rio Vista, Solano County:

100 lbs. dry white [illegible] 2 qts. red [illegible] 4 qts. Non-green paint, inside glass, 5 gal. Japan dyer; 200 lbs. white lead in oil, in 25-lb. pails.

HALLS AND SOCIETY BUILDINGS

Plans Being Figured.
CLUB BLDG. Cost, $7,500
SAN FRANCISCO. Mission Terrace.
One-story frame and plaster club bldg.
Owner—Mission Terrace Company.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
NOTE:—Figures are being taken for a general contract.

HOSPITALS

Contract Awarded.
ADDITION Cost, $66,992
LONG BEACH, Los ANGELES Co., Cal.
Two-story brick addition to hospital, 40x100.
Owner—Seaside Hospital, Long Beach.
Architect—W. Horace Austin, First National Bank Bldg., Long Beach.
Contractor—C. T. McGrew & Son, 134.5 W-Ocean Blvd., Long Beach.
Plumbing awarded to Sanitary Plumbing Company.
Heating to J. Hokom.

Contract Awarded.
HOSPITAL BLDG. Cost, $54,498
EUREKA, Humboldt Co., Cal. Tubercular hospital.
Owner—County of Humboldt, Fred M. Kay, County Clerk.
Architect—Newton Ackerman, Eureka, Cal.
Contractor—Louis Halvorsen, Eureka, Cal.

SANTA ANA, Orange Co., Cal.—McMillan & Spangler, Santa Ana, have prepared preliminary plans for a community hospital for Santa Ana. A campaign to raise $250,000 for erecting the building is underway.

EUREKA, Humboldt Co., Cal.—L. Halverson, Eureka, at $54,498 submits the low bid to the Supervisors for constructing tubercular hospital, from plans of Architect Newton Ackerman of Eureka. Other bidders are Padgett & Kelly, Eureka, $58,000; A. Foster, $60,442; — Morton, $64,950. Bids were taken under advisement.

HOTELS

Segregated Figures Being Taken.
ADDITION Cost, $40,000
BERKELEY, Shattuck Ave. and Allston Way.
Two-story reinforced concrete addition in rear of hotel.
Owner—Hotel Whitecotton (W. W. Whitecotton).
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

POWER PLANTS

WASHINGTON, D. C.—Alphons Custodis Chimney Construction Co., New York, N. Y., awarded contract under **Item 8, for constructing power house and improvements for heating plant at Salem Indian School, Chemawa, Oregon**

PUBLIC BUILDINGS

WOODLAND, Yolo Co., Cal.—Until Dec. 5, 2 P. M., bids will be received by Yolo County Supervisors for repairing the town hall at Cacheville. Plans on file in office of H. R. Saunders, County Clerk, Woodland.

OAKLAND, Cal.—Council, Eugene K. Sturgis, City Clerk, appropriates $1,113 to cover cost of installing new stall urinals in men's toilet rooms in first floor of City Hall.

HOLLISTER, San Benito Co., Cal.—Election to vote bonds of $30,000 to purchase a site and erect a memorial auditorium, honoring soldiers and sailors who gave their lives in the World War, is proposed.

HANFORD, Kings Co., Cal.—City Trustees are considering preliminary plans for constructing an extension to the Carnegie Library. It is proposed to add another wing to the structure. The addition will cost about $12,000.

MADERA, Madera Co., Cal.—Brown & Stafford, Madera, submitted the only bid to the City Trustees for constructing the City Hall and Firehouse from plans of Architects Swartz & Ryland, Rowell Bldg., Fresno. The bid is (1) $19,771; (2) $20,785 includes pressed face brick; (3) $21,085 includes face brick and tile corridor floors; (4) $21,385 includes face brick, tile flooring, and metal lath on second floor.
D. Stephenson, Madera, bid $1240 for plumbing contract and $816 for Arcola Heating System. Bids taken under advisement.

SACRAMENTO, Cal.—Chas. H. and Lewis Moreing, owners of the Sacramento Coast League Club, will purchase Buffalo Park in this city and will spend $75,000 in making the grounds the most modern of Coast League diamonds. The construction of additional fencing and bleachers is included in the improvements.

RESIDENCES

Plans Being Figured.
BUNGALOW Cost, $9,000
HOLISTER, San Benito Co., Cal.
One-story 8-room bungalow.
Owner—Frank J. Smith, Ausaymas District, Hollister.
Architect—Ernest C. Griffin, Hollister.

Plans Being Prepared.
RESIDENCE, ETC. Cost, $12,000
PIEDMONT, Alameda Co., Cal.
One and one-half-story frame and plaster residence and garage (8 rooms).
Owner—Mr. Hackett.
Architect—John Hudson Thomas, 1st Natl. Bank Bldg., Berkeley.

Plans Being Figured.
RESIDENCE, ETC. Cost, $12,000
SAN FRANCISCO. W. Arguello Blvd. S. California.
Two-story frame and plaster residence (9 rooms and basement garage).
Owner—B. Sieroty.
Architect—S. Helman, 57 Post St.
Plans were prepared several months ago for a different location.

Contract Awarded.
RESIDENCE Cost, $120,000
SAN DIEGO, San Diego Co., Cal. Sunset Boulevard.
Two-story and basement hollow tile residence 200x250 (plaster and art stone exterior, ballroom, billiard rooms, etc.).
Owner—E. T. Guyman, Hutchinson, Kansas.
Architect—Not given.
Contractor—W. R. Kier Constr. Co., San Diego, Cal.

Contracts Awarded.
RESIDENCE, ETC. Cost, $17,000
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame, plaster and brick residence, 11 rooms and garage.
Owner—Dudley Dexter.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Heating to Walter Mork, Bristol and San Pablo Ave., Oakland.
Plumbing to Carl T. Doell, 467 21st St., Oakland.
Electric wiring to D. C. Stanford, 526 Eldorado St., Oakland.
Brick work to Martin Back, 3825 Allendale, Oakland.
H. M. Frostholm, 877 Lakeshore Ave., Oakland, has the general contract.

Figures To Be Taken In About Two Weeks.
RESIDENCE Cost, $10,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plaster residence.
Owner—Martin A. Roth.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $7,500
SAN FRANCISCO. Mission Terrace.
One-story frame and plaster residence.
Owner—Mission Terrace Company.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
NOTE:—Figures are being taken for a general contract.

Contract Awarded.
RESIDENCE Cost, $12,000
SAN FRANCISCO. NE Merced and Hernandez.
Two-story and basement frame residence.
Owner—W. J. Hughes, 65 Merced Ave.
Architect—C. E. Gottscalk, Phelan Bldg.
Contractor—H. J. Hansen, 180 Jessie Street.

LOS ANGELES, Cal.—The well known contracting firm of Wallace & Bush, Bank of San Jose Bldg., San Jose, has disposed of its real estate holdings in San Jose and will move its main offices, shop and equipment to Los Angeles, where they have secured very large contracts.
They are now figuring on one of the biggest building projects ever conceived in this country. It is a $5,000,000 home building scheme. It is now proposed to build 8000 homes near the Goodyear Tire Company's plant at Los Angeles and the streets, 20 miles in all, have already been laid out. Bush & Wallace, who expect to have charge of the contracting, have already secured a location for their offices and warehouse on the ground.

LONG BEACH, Cal.—The Scofield Engineering & Construction Co., Pacific Finance Bldg., Los Angeles, has been awarded a contract for erecting 42 dwellings in Belmont Shore Place, Long Beach, for the Belmont Shore Co., according to announcement by S. A. Selaver and James F. Collins of the company. Cost, $200,000. The dwellings will contain 5 rooms each and be of varied design and character of construction.

SCHOOLS

Commissioned to Prepare Plans.
SCHOOL Cost, $250,000
TUSTIN, Orange Co., Cal.
High School.
Owner—Tustin School District.
Architect—Mott M. Marston, 535 I. W. Hellman Bldg., Los Angeles.

Plans Being Figured—Bids Close Nov. 26, 1921, 10 A. M.
SCHOOL Cost, $——
NOVATO, Sonoma Co., Calif.

One-story frame and plaster school (5 or 6 rooms).
Owner—Novato School District.
Architect—Walter H. Parker, 57 Post St., San Francisco, and Kentfield, Calif.
Bonds to the amout of $35,000 have been voted. Plans may be obtained from the architect or the Clerk on a deposit of $25.
See Call for Bids under Official Proposal Column.

Figures to be taken shortly.
SCHOOL Cost, $84,000
LOS ANGELES, Cal. Santa Fe Avenue School Site.
Two-story and basement reinforced concrete school.
Owner—Los Angeles School District.
Architect—Thos. Franklin Power, Tajo Bldg., Los Angeles.

Contracts Awarded.
SCHOOL EQUIPMENT Cost, $——
BISHOP, Inyo Co., Cal.
Blackboards, shades, cork linoleum, program clocks, stage curtain and equipment, and electric light fixtures for high school.
Owner—Bishop Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Electric Fixtures to Boyd Lighting Fixture Co., 278 Post St., S. F.
Shades to D. N. & E. Walter Co., 562 Mission St., San Francisco.
Blackboards to C. F. Weber & Co., 985 Market St., San Francisco.
Cork Linoleum to B. E. Johnson.
Stage Curtains and settings to Edwin H. Flagg Co., 935 Market St., S. F.
Program Clocks to The Pacific Elec. Clock Co., 85 2nd St., San Francisco.

Contract Awarded.
SCHOOL Cost, $33,000
LOS ANGELES, Cal. Santa Monica Blvd. and Kenmore Ave.
Two-story 10-room brick and plaster school.
Owner—Bishop of Monterey and Los Angeles, Higgins Bldg., Los Angeles.
Architects—H. H. Hewitt and M. L. Barker, 1130 Van Nuys Bldg., Los Angeles.
Contractor—Edw. E. English, 508 Citizens Bank Bldg., Los Angeles.
Electric wiring to H. H. Walker, 1018 Hibernian Bldg., Los Angeles, $476
Plumbing to J. T. Newell, 136 W-17th St., Los Angeles, $2390.
Heating to W. K. Hayes, 946 E-31st St., Los Angeles, $1450.

To Be Done By Day's Labor—Material Being Purchased.
SCHOOL BLDG. Cost, $75,000
ALAMEDA, Cal. SW San Antonio and Chestnut.
Two-story reinforced concrete school.
Owner—St. Joseph's Church.
Architect—W. D. Shea, Chronicle Bldg., San Francisco.
J. F. Smith, 180 Jessie St., San Francisco, will superintend the construction and is now purchasing the materials. Work will be carried on by the day labor system.

Plans Being Re-Figured—Bids Close December 1, 1921, 7:30 P. M.
SCHOOL Cost, $88,000
SUTTER COUNTY. Center-Gaither School District.
One-story hollow tile school (3 rooms and an auditorium).
Owner — Center - Gaither Grammar School District.
Architects—George C. Sellon & Co., Mitau Bldg., Sacramento.
Segregated figures are being taken and plans may be obtained from the architects' office.

Plans Being Figured—Bids Close Nov. 25, 1921, 7:30 P. M.
SCHOOL BLDG. Cost, $——
VENICE, Los Angeles Co., Cal.
Brick school, 6 classrooms.
Owner—Venice City School District.
Architect — Edwin Bergstrom, 1128 City Natl. Bank Bldg., Los Angeles.
Bids are being taken for general work, plumbing, electric wiring, painting and blackboards.

To be Done by Day's Work.
ADDITION Cost, $75,000
LONG BEACH, Los Angeles Co., Cal. Horace Mann School.
Eight-room addition to school.
Owner—Long Beach School District.
Architects—Parker O. Wright and F. H. Gentry, 315 Marine Bank Bldg., Long Beach.

Contract Awarded.
GYMNASIUM Cost, $4300
HAMILTON CITY, Glenn Co., Cal.
One-story frame gymnasium.
Owner—Hamilton Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—E. M. Bostron, Hamilton City, Cal.

Plans Being Figured—Bids Close Dec. 12, 1921, 7:30 P. M.
SCHOOL Cost, $165,000
SACRAMENTO, Cal. Highland Park. Twenty-fourth St. between Castro Way and Fourth Avenue.
Two-story concrete and brick school with tile roof.
Owner—Sacramento Board of Education.
Architects —Hemmings-Petersen-Hudnutt, Architectural & Engineering Commission, Library Bldg., 9th and L Sts., Sacramento.

Figures To Be Taken Shortly.
SCHOOL BLDG. Cost, $80,000
LOS ANGELES, Cal. Wilton Pl. and Harold Way.
Two-story brick 9-room school bldg.
Owner—Los Angeles Board of Education.
Architect — Jeffery & Schaefer, 1106 Kerckhoff Bldg., Los Angeles.

Contract Awarded.
SCHOOL BLDG. Cost, $18,900
REDWOOD VALLEY, Mendocino Co., Cal.
One-story reinforced concrete (2 rooms and auditorium) school building.
Owner — Redwood Valley Elementary School District, Alex Kauhanen, Clerk, Redwood Valley, Cal.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor—Myrl R. Crane, 74 Miramar Ave., San Francisco.

Preliminary Plans Being Prepared.
HORTICULTURE BLDG. Cost, $——
BERKELEY, Cal. U. C. Campus.
Reinforced concrete horticulture bldg.
Owner—University of California.
Architect—W. C. Hays, 1st Natl. Bank Bldg., San Francisco.

Figures to be Taken Shortly.
ADDITIONS Cost, $——
FULLERTON, Orange Co., Cal.
Two one-story reinforced concrete and hollow tile additions to school also garage.
Owner—Fullerton High School District
Architect—Carleton M. Winslow, 1134 Van Nuys Bldg., Los Angeles.

Plans Being Figured—Bids Close Dec. 6, 1921, 4 P. M.
SCHOOL BLDG. Cost, $45,000
BERKELEY, Alameda Co., Cal. Jefferson School Site.
One-story frame and plaster school.
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, 1st Nat. Bank Bldg., Berkeley.
Segregated figures will be advertised for the end of this week as follows:
(1) Excavating, concrete and grading.
(2) Carpentry and mill work.
(3) Lathing and plastering.
(4) Masonry and tile.
(5) Electrical.
(6) Heating and ventilating.
(7) Plumbing.
(8) Painting.
Plans may be obtained from Mr. Hay's office on a deposit of $10.

To Refigure Tile Work.
STUDENTS' BLDG. Cost, $——
BERKELEY, Alameda Co., Cal. South of Sather Tower.
Four - story and basement reinforced concrete, plaster exterior, students' union bldg.; largest dimension 213 x 133. Irregular.
Owner — University of Calif. Regents, Berkeley.
Architect—John Galen Howard, First Natl. Bank Bldg., San Francisco.
As reported on Oct. 25th, the concrete work was awarded to the Clinton Construction Co., 140 Townsend St., San Francisco; plumbing to Turner Co., 272 Minna St., San Francisco, $11,120, and the electric work to the Standard Elec. Constr. Co. at $6214.

PASADENA, Los Angeles Co., Cal.—Archt. Leon C. Brockway, 400 Cham. of Com. Bldg., Pasadena, has been commissioned to prepare plans for an addition to the Jefferson school for the Pasadena Board of Education; eight classrooms, special study room, three kindergarten rooms, teachers' rest room, kitchen, library and increasing the auditorium seating capacity to 700.

MARTINEZ, Contra Costa Co., Cal.—Until Nov. 28, 11 A. M., bids will be received by Joe E. Periera, clerk, Briones Valley School District, for constructing one-story frame school. Cert. check $350 payable to Bd. of Trustees required with each bid. Plans may be had from architect or County Superintendent of Schools on deposit of $10, returnable. W. A. Doctor, Martinez, architect.

TAFT, Kern Co., Cal.—Until Nov. 29, 7:30 P. M., bids will be received by E. W. Nesbit, Jr., clerk, Taft Union High School District, for constructing two tennis courts from plans of Architect Orville L. Clark, Brower Bldg., Bakersfield. Spec. may be had from the architect.

MANTECA, San Joaquin Co., Cal.—Preliminary plans of Architects Davis-Heller-Pearce Co., Delta Bldg., Stockton, for a group of high school buildings have been approved by the Manteca High School District and steps will be taken to call a bond election to finance construction. A school costing $135,000 is proposed with a $35,000 gymnasium building. For equipment the issue will provide $12,000 and for fitting out the grounds, $15,000.

SANTA ROSA, Sonoma Co., Cal.—Fire destroyed Santa Rosa Union High School; damage estimated at $70,000. Trustees of the district for the past few months have been contemplating bond issue to finance construction of additional buildings, and it is probable due to the fire, the matter will be hastened.

SAN JOSE, Santa Clara Co., Cal.—Sealed bids will be received by the Board of Education up to 7:30 P. M., Dec. 13, 1921, for heating of Jefferson Schools. Each bid to be accompanied by a check of 10% of amount of bid. Said check made payable to W. L.

Bachrodt. The Board reserves the right to reject any or all bids. By order of the Board of Education. W. L. Bachrodt, Secy.

SAN FRANCISCO.—Until Dec. 7, 3 P. M., bids will be received by Board of Public Works for constructing Columbus school in 30th Ave. bet. Kirkham and Lawton Sts. Segregated bids will be taken for General Construction, estimated cost, $56,000; Brick, Stone and Terra Cotta work, $14,500; Lathing and Plastering, $6,000; Plumbing, $3,500; Heating and Ventilating, $3,800; Electric Work, $2,200. Plans may be had from Bureau of Architecture, 2nd floor, City Hall. John Reid, Jr., City Architect.

MERCED, Merced Co., Cal.—Merced School Board has selected a site in the northeastern section of the city on which it is proposed to erect a $60,000 grammar school. Plans have been completed by Architect Norman R. Coulter, 46 Kearny St., San Francisco, an call for a one-story reinforced concrete structure.

SAN DIEGO, Cal.—Until 7:30 P. M., November 28, bids will be received by Sweetwater Union High School District for furnishing steel lockers for the high school under specifications which may be obtained from Architect Theo. C. Kistner, 307 Bancroft Bldg., San Diego.

VISALIA, Tulare Co., Cal.—The bid of W. J. Ochs, 246 W. Cedar St., Coalinga, at $61,934 for constructing the physicial education building for the high school group has been taken under advisement by the Visalia Union High School District. Other bidders were: L. Cereghino & Son, San Francisco, $62,664; Frederickson & Shannon, Fresno, $66,372; Barkelew & Gould, Tulare, $67,102; Collman & Speidel, San Francisco, $72,795; Noble & Toothacre, Visalia, $74,307 and R. Pederson Co., Fresno, $77,710.

W. J. Ochs, 246 W. Cedar St., Coalinga, at $27,245 has been awarded a contract to erect the Manual Arts Building. Other bidders were: L. Cereghino & Son, $28,149; Frederickson & Shannon, $30,733; Barkelew & Gould, $32,897; Collman & Speidel, $35,455, and R. Pederson Co., $38,739.

L. Cereghino & Son, 180 Jessie St., San Francisco, at $4,068 has been awarded a contract to erect the Domestic Science Building. Other bidders were: W. J. Ochs, $5563; Frederickson & Shannon, $6300; Barkelew & Gould, $4472; Collman & Speidel $5886, and R. Pederson Co., $5361.

L. Cereghino & Son at $9941 awarded contract to erect Domestic Arts Building. Other bidders were: W. J. Ochs, $9752; Frederickson & Shannon, $12,136; Barkelew & Gould, $9978; Collman & Speidel, $12,114, and R. Pederson Co., $12,772.

Bids for plumbing and heating contracts were received as follows: Physical Education Building, Visalia Plumbing & Heating Co., 112 S. Bridge St., Visalia, $13,250; B. A. Newman, Fresno, $14,324. Manual Arts Building, Visalia Plumbing Co., $1000; Newman, $987. Domestic Science Building, Visalia Plumbing Co, $910; Newman, $869. Domestic Arts Building, Visalia Plumbing Co., $895; Newman, $489. Bid of Visalia Plumbing Co. for Physical Education Building taken under advisement.

Ernest J. Kump Co., Rowell Bldg., Fresno, are the architects.

FRESNO, Fresno, Co., Cal.—L. Cereghino & Son, 180 Jessie St., San Francisco, at $8696 awarded contract by the Fresno Board of Education for e cavating, concrete work, glass, hardware, carpentry, steel, galvanized iron and blackboards for a four-room addition to Edison School. Other bidders were: Collman & Speidel, $9332; Anton Johnston, $9550.27; Fredrickson & Shannon, $10,887.50.

F. F. Smith, 2950 Nevada St., Fresno, at $3757 awarded contract for brick work. Other bidders were: A. L. Stewart, $4475; Stahl & Burness, $4568; G. A. Adams, $4845; Paul Kindler, $4820; D. A. Moore, $4847.

Fresno Roof & Paint Co., 1150 Broadway, Fresno, at $980 awarded contract for tile and composition roofing. Only other bidder, C. L. Passmore at $1000.

B. A. Newman, 1927 Merced St., Fresno, at $2040 awarded contract for plumbing and steam heating. Only other bidder, Barrett-Hicks, $2131.

McGruer & Simpson, 180 Jessie St., San Francisco, at $1464 awarded contract for lathing and plastering. Other bidders were: Frank Hart, $1790; E. O. Ward, $2100.

Valley Electric Co., 1817 Tulare St., Fresno, at $248.50 awarded contract for electric wiring. Other bidders were: Robinson Electric Co, $277.85; Lewis Electric Co., $280; Fresno Electric Co, $283.70.

R. Zelinsky, 180 Jessie St., San Francisco, at $868 awarded contract for painting. Only other bidder: Trewhitt-Spencer at $1210.

Trewhitt-Shields Co., 435 Rowell Bldg., Fresno, will act as Superintendents of Construction.

FRESNO, Fresno Co., Cal.—Following bids received by Malaga School District for constructing masonry and frame school building, from plans of Architects Swartz and Ryland, Rowell Bldg., Fresno:

Paulsen & Stange, Fresno: (1) $34,150; (2) $37,950; (3) $4,350; (4) $175; (5) $653; (6) $1,025; (7) $380; (8) $78; (9) $4,100; (10) $7,100; (11) $150.

Collman & Spiedel, San Francisco: (1) $35,925; (2) $38,825; (3) $4,175; (4) $955; (5) $620; (6) $1,400; (7), $550; (8) $83; (9) $4,675; (11) $132.

Brown & Stafford, Madera: (1) $31,884; (2) $36,284; (3) $3,780; (4) $1,505; (5) $——; (6) $900; (7) $314; (8) $125; (9) $4,434; (11) $162.

Barkelew & Gould, Tulare: (1) $37,143; (2) $41,523; (3) $3,100; (4) $1,100; (5) $400; (6) $626; (7) $309; (8) $78; (9) $4,291; (11) $100.

Martin Construction Co., Fresno: (1) $36,713; (2) $40,062; (3) $3,367; (4) $1,029; (5) $510; (6) $1,176; (7) $295; (8) $78; (9) $5,371; (11) $131.

J. B. Hart, Fresno: (1) $33,847; (2) $37,447; (3) $4,257; (4) $425; (5) $660; (6) $562; (7) $425; (8) $400; (9) $3,772; (11) $175.

W. J. Ochs, Coalinga: (1) $37,450; (2) $41,850; (3) $3,839; (4) $631; (5) $375; (6) $1,304; (7) $450; (8) $125; (9) $5,550; (11) $119.

Cereghino & Sons, San Francisco: (1) $39,400; (2) $43,800; (3) $3,939; (4) $700; (5) $400; (6) 1,404; (7) $925; (8) $135; (9) $5,310; (11) $140.

Frederickson & Shannon, Fresno: (1) $34,987; (2) $38,987; (3) $3,100; (4) $986; (5) $275; (6) $820; (7) $450; (8) $85; (9) $5,197; (11) $175.

Squire Cooper, Fresno: (1) $39,980; (2) $42,850; (3) $3,000; (4) $800; (5) $450; (6) $650; (7) $350; (8) $70; (9) $5,000; (11) $250.

Barrett & Hicks, Fresno.....$5,193
Luppen & Hawley 5,712
Newman & Hudson, Fresno..... 5,304
Carl T. Doel, Oakland..... 5,826

PASADENA, Los Angeles Co., Cal.—Architects Allison & Allison, 1405 Hibernian Bldg., Los Angeles, have been commissioned to prepare plans for George Washington Junior High School at corner of Raymond Ave. and Penn St., Pasadena. There will be an administration building to contain executive offices, auditorium to seat 800 14 classrooms, study hall and library; elementary building with 15 classrooms, 4 kindergarten rooms, lunch room, rest rooms; manual arts building with 6 classrooms, domestic science and commercial building with 6 classrooms, and gymnasium with showers and swimming pool. The entire project will cost between $500,000 and $600,000. There is approximately $350,000 available at present and as much will be built as funds will permit. Additional bonds will be voted.

SAN FRANCISCO—The following bids were received by the Board of Public Works for constructing an addition to the Mission High School at 18th and Dolores streets:

General Construction

Mahoney Bros. (low).....$196,300
Farrell & Reed.....$235,100
Hannah Bros. 219,000
Jas. L. McLaughlin..... 248,000
Robert Trost 227,809
Anderson & Ringrose..... 211,949
C. L. Wold Co..... 212,200
Barrett & Hilp..... 218,488

Plumbing

Herman Lawson $21,270
Andrew Holle 25,450
C. Peterson Co..... 21,973
A. Lettich 20,912
Scott Co. (low) 19,889
E. T. Grimes (*)..... 20,921
The Turner Co. 21,140
(*) Bidding for Fred Snook Co.

Heating and Ventilating

Herman Lawson $39,110
Helen Becker* 37,697
Wm. F. Wilson Co. 42,425
C. Peterson Co. 39,777
A. Lettich 42,107
Scott Co. 39,780
E. T. Grimes* 40,144
The Turner Co. 42,760
*Becker bidding for Jas. Nelson.
*Grimes bidding for Fred W. Snook.

Electrical Work

Globe Electric Works.....$19,547
Butte Elec. Equip. Co..... 20,675
Butte Elec. Mfg. Co..... 23,428
M. E. Ryan 21,660
Central Elec. Co. 20,447
Standard Elec. Constr. Co..... 18,965
Kohlwey-Smith Elec. Co. 22,432
S. M. Radelfinger 19,865
Collonan Elec. and Mfg. Co..... 20,232
The Turner Co. 19,780
Watts Elec. Co. 22,000

PLACERVILLE, El Dorado Co., Cal.—Steps being taken to call election to vote bonds to finance construction of a new high school building. Commitee oppointed to view sites and submit estimates of cost for such a structure.

SANTA CLARA Cal.—The alumni of Santa Clara University have taken it upon themselves to present their alma mater with a new science building to cost $250,000. Committees that will cover the state have already been selected to gather in funds, and each district will be expected to contribute in proportion to the number of alumni it contains.

As Santa Clara county has more alumni than any other county, perhaps it will be expected to lead in donations. The Santa Clara committee is composed of such well known graduates as William Pabst, James Sex, James B. Shea, John J. Jones, Robert Syer, Ed Rea, Charles Cassin, Dr. George Fowler, Dr. F. C. Gerlach, Robert Fatjo, Louis Normandin and Frank Farry.

LOS ANGELES, Cal.—K. R. Bradley Constr. Co., 1925 E. 16th St., Los Angeles, was low bidder at $73,392 on general construction for new Cornwell St. school building; C. H. Russell, Architect. Other low bidders were: H.

E. Murray on plumbing at $8248; Marshall-Lock Co. on steam heating at $3106; Pacific Gas Radiator Co. on gas heating at $1483; Arenz-Warren Co on painting at $2889, and Prewitt Elec. Co. on wiring at $2042. Bids referred to the business manager. Ten class rooms, two-story, 186x62 ft.; brick construction, art stone trim, composition roof. The bids were:

General Contract—K. R. Bradley Constr. Co., $73,392; J. A. Hill Constr. Co., $74,429; J. F. Atkinson, $77,000, Macdonald & Driver, $77,389; J. D. Kneen Constr. Co., $79,280; Geo. F. Barber, $80,895; Walter Slater Co., $80,917; John Simpson & Co. $83,746, J. F. Kobler, $86,144.

Plumbing—H. E. Murray, $8248; G. C. Sutton, $8569; E. W. Crowell Co., $8998; Marshall-Lock Co., $9[illegible]8.

Heating—Marshall-Lock Co., $3106; J. Hokom, $3673; Thos. Liberty Co., $3857; Pacific Gas Radiator Co., $1483; Potter-Strutz Radiator Corp., $1513.

Painting—Arenz-Warren Co., $2889; Alhambra Wall Paper & Paint Co., $2937; E. A. Lindgreen, $3140; D. Zelinsky, $3200; R. Zelinsky, $[illegible]3.

Electric Work—Prewitt Elec. Co., $2042; American Constr. Co. $2300; F. E. Newberry Co., $2367.

RICHMOND, Cal.— The following bids were received and contracts awarded on November 14th by the Board of Trustees of the Richmond Union High School District for the construction of a two-story hollow tile and concrete Domestic Science building. Plans were prepared by Architect Jas. T. Narbett, 906 MacDonald Ave., Richmond.

Contract No. 1 (Excavating, Cement Work, Reinforcing Steel, Carpentry, Roofing, Tile and Marble Work).

Carl Overaa, 2105 Roosevelt Richmond, awarded contract	$30,340
P. M. Sanford	30,386
W. G. Thornalley, Oakland	30,967
J. A. Bryant	31,846
Frank Ausez	33,494
Matthew Morton	34,317
H. S. Williams	34,350
Appleton & Davis	35,517
Cohn & Nordstrom	36,211
George A. Bos	37,83[illegible]
Schnebly & Hostrawser	38,752
F. W. Maurice	42,740

Contract No. 2 Hollow Tile, Brick, Steel and Iron)

White & Gloor, Monadnock Bldg., S. F., awarded contract	$6,400
H. Larsen	6,620
Appleton & Davis	6,699
James Walker	6,813

Contract No. 3 (Plastering)

F. W. Maurice, 1362 E-29th St., Oakland, awarded contract	$5,790
Chas. H. Brown	9,[illegible]
A. H. Winchole	9,985

Contract No. 4 (Sheet Metal Work)

H. W. Clear, 248 17th St., Richmond, awarded contract	$ 988
Spierch Bros.	1,165
Fleuren & Ainscow	1,167
Pacific Metal Products Co.	1,[illegible]24

Contract No. 5 (Plumbing)

F. L. Krieg, 242 14th St., Richmond, awarded contract	$3,541
J. I. Collins	3,910
W. B. Rihn	3,79[illegible]
R. W. Timmon	3,995
Spierch, Bros	4,03[illegible]
Scott Co.	4,278

Contract No. 6 (Painting)

Bunker & Kirchner, 326 Macdonald Ave., Richmond, awarded contract	$2,95[illegible]
R. Zelinsky	2,273
Zeibb Knott	2,679

Contract No. 7 (Electric Work)

Pacific Elec. Mfg. Co. 1111 Macdonald Ave., Richmond, awarded contract	$1,880
Pioneer Electric Co.	2,[illegible]
King Elec Co.	2,889

Contract No. 8 (Heating)

W. K. Nottingham, 568 10th St., Oakland, awarded contract	$10,999
J. I. Collins	11,1[illegible]
Scott Co.	11,184
J. E. O'Mara	11,[illegible]
P. J. Enright	11,6[illegible]

STORES AND OFFICES

Carpentry Contract Awarded.
ALTERATIONS Cost, $5000
SAN FRANCISCO. W Larkin Street Eddy Street.
Remodel Stores.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg San Francisco.
Contractor — Fontanella & Teza, 168. Eddy St., San Francisco.

Contracts Awarded—Sub-Figures Being Taken.
ALTERATIONS Cost, $8,[illegible]
SAN FRANCISCO. No. 165 Golden Gate Avenue.
Remodel two-story and basement store and office building.
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg. San Francisco.
Carpentry work awarded to Fontanella & Teza, 1682 Eddy St.
Plastering to Peter Bradley, 180 Jessie Street.
Figures are being taken for painting, plumbing, electric wiring, etc.

Plans Being Completed.
BUSINESS BLK. Cost, $——
WILLOWS, Glenn Co., Calif. Crawford Hotel site.
One or two-story fireproof business block, 125 by 150.
Owner—Crawford Interests.
Architect—Otto A. Deichman, Barceloux Bldg., Willows, Calif.

Plans Completed.
RESTAURANT BLDG. Cost, $3000
SAN FRANCISCO. SE Bay and Mason Streets.
Two-story frame restaurant.
Owner—G. B. Del Pino.
Architect—L. Mastropasqua, 580 Washington.
Washington.

Contract To Be Awarded in a Few Days.
AUTOSALES BLDG. Cost, $15,000
SAN FRANCISCO. NW Geary and 2nd Avenue.
One-story brick autosales bldg.
Owner—Ulrich Remensperger.
Architect—T. Paterson Ross, 310 California St.

Plans Being Figured.
BUILDING Cost, $10,000
SAN FRANCISCO. S. Ellis, E. Jones.
One-story and basement brick store building (2 stores).
Owner—G. Lachman.
Architect—S. Heiman, 57 Post St., San Francisco.
Figures are being taken for a general contract.

Low Bidders.
MARKET, ETC. Cost, $40,000
BERKELEY. NE Shattuck Ave. and Allston Way.
One-story reinforced concrete market and 4 stores.
Owner—Boardman Estate.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Concrete work, Barrett & Hilp, 918 Harrison St., San Francisco.
Carpenter work, Connor & Connor, Berkeley Way & Shattuck Ave., Berkeley.

Contract Awarded.
STORE Cost, $15,000
SAN FRANCISCO. SW Hyde and O'Farrell.
One-story concrete store.
Owner—W. H. Woodfield, Jr.
Engineer and Contractor—J. H. Hjul, 850 Monadnock Bldg.

Low Bid Under Advisement.
STORES & OFFICES Cost $10,000
TURLOCK, Stanislaus Co., Cal. East Main and Thor Streets.
Two-story stores and offices.
Owner—Gotbed Business Block.
Architect—Not Given.
Low Bidder—Frank Johnson, Turlock.
Separate bids were taken for plumbing.

Contract Awarded.
STORE & WAREHOUSE Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal. No. 262 Pacific Avenue.
Two-story reinforced concrete store and warehouse.
Owner—Gaba & Magidson, Santa Cruz.
Architects—Collins & Byrne, Theatre Bldg., Santa Cruz.
Contractor—W. A. White, Santa Cruz.

Segregated Figures To Be Taken Next Week.
STORE, OFFICE BLDG. Cost, $20,000
SAN FRANCISCO. NE 18th Ave. and Geary.
Two-story brick veneer store and office building.
Owner—Jacob Weissbein.
Architect—H. C. Baumann, 251 Kearny Street.

Plans Being Prepared.
STORE & OFFICE BLDG. Cost, $——
LOS ANGELES, Cal. Spring Street between 7th and 8th Streets.
One and two-story and mezzanine brick store and office building, 30x 120.
Owner—Mason Co.
Architect — Stanton, Reed & Hibbard, Metropolitan Bldg., Los Angeles.

Preliminary Plans Prepared.
OFFICE BLDG. Cost, $400,000
SAN JOSE, Santa Clara Co., Cal. S. First St., Between Santa Clara and San Fernando Sts.
Ten-story Class A steel and concrete office building.
Owner—Commercial Club, Wm. J. Cross, Secretary.
Architect—Binder & Curtis, 255½ S. First St., San Jose.

Plans Being Figured.
STORE BLDG. Cost, $15,000
SAN JOSE, Santa Clara Co., Cal. South First St.
One-story reinforced concrete store building.
Owner—Name withheld.
Architect—Binder & Curtis, Binder Building.

Contract Awarded.
MARKET, ETC. Cost, $40,000
BERKELEY. NE Shattuck Ave. and Allston Way.
One-story reinforced concrete market and 4 stores.
Owner—Boardman Estate.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Concrete work, Barrett & Hilp, 918 Harrison St., San Francisco.
Carpenter work, Connor & Connor, Berkeley Way and Shattuck Ave., Berkeley.
Brick work, John Thompson, 3853 Howe St., Oakland.
Glass and glazing, W. P. Fuller & Co., 301 Mission St., San Francisco.
Electrical work, Berkeley Electrical Co., 2142 Center St., Berkeley.
Elevator, Otis Elevator Co., Bush and Stockton Sts., San Francisco.
Elevator doors, Jensen Iron Works, 6408 San Pablo Ave., Berkeley.

Sidewalk lights, Berger Mfg. Co., 1120 Mission St., San Francisco.
Roofing, National Roofing Co., 351 12th St., Oakland.
Lathing and plastering, William Makin, 1048 Excelsior Ave., Oakland.
Plumbing, Robert Annis, 1147 Shattuck Ave., Berkeley.
Sheet metal work, Frank Frieze, 1223 75th Ave., Oakland.
Painting, George Stetter, 1722 McGee Ave., Berkeley.
Tile work, Rigney Tile Co., 2148 Telegraph Ave., Oakland.
Store fronts, Kawneer Mfg. Co., 8th and Dwight Way, Berkeley.

Sub-Figures Being Taken.
MERCANTILE BLDG. Cost, $50,000
OAKLAND, Alameda Co., Cal. E Broadway near 19th St.
Four-story Class C mercantile bldg.
Owner—Frank H. Proctor.
Architect & Contractor—Maury I. Diggs, Easton Bldg., Oakland.

Plans Being Re-figured.
STORE & SHOP BLDG. Cost, $15,000
SAN FRANCISCO. Valencia St. near 20th.
One-story brick store and shop building.
Owner—Name withheld.
Architect — Albert Fabre, 110 Sutter Street.

Terra Cotta Contract Awarded.
OFFICE BLDG. Cost, $25,000
OAKLAND, Alameda Co., Cal. S 15th St., bet. Franklin and Broadway.
Two-story reinforced concrete store and office building.
Owner—Stuart S. Hawley.
Architect — Maury I. Diggs, Easton Bldg., Oakland.
The terra cotta contract has been awarded to N. Clark & Son, 116 Natoma St., San Francisco.

Plans Being Prepared.
FILM EXCHANGE, ETC. Cost, $45,000
SAN FRANCISCO. NE Turk and Leavenworth Streets.
Two-story and basement reinforced concrete film exchange and labratory building.
Owner—Louis R. Lurie.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Plans will be ready for figures in about ten days.

Contract Awarded.
STORE & LOFT BLDG. Cost, $40,000
LOS ANGELES, Cal. Hollywood Blvd. bet. Vine and Cosmo Sts.
Two-story brick store and loft bldg, 50x110.
Owner—Geo. B. Mouser, 1450 Ogden Drive, Los Angeles.
Architect and Contractor—Milwaukee Bldg. Co., Wright & Callender Bldg., Los Angeles.

SAN FRANCISCO.—Architect G. A. Lansburgh, 709 Mission St., has awarded a contract to A. Knowles, Call Bldg., for the plastering in connection with the construction of a class "A" theatre building on Mission St. between Brazil and Persia. Contract price, approximately $9,000. The Excelsior Amusement Co. is the owner.

LOS ANGELES, Cal.—The Hill St. Fireproof Building Co. will erect two additional stories to the class A theatre and office building being erected at 6th and Hill Sts., Los Angeles. Winter Constr. Co., general contractors. The cost will be $145,000. Edwin Bergstrom, 1128 Citizens Natl. Bank Bldg, Los Angeles, is the architect.

Ornamental Iron Contract Awarded—Figures Being Taken for Roofing.
ADDITION Cost, $300,000
SAN FRANCISCO. NE Mission and New Montgomery Streets.
Three-story Class A addition to present two-story building, also a one-story super-structure on roof.
Owner—Schwenberg, Metzger & Aronson, Merchants' Exchange Bldg., San Francisco.
Lessee—Associated Oil Company.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Engineer—C. H. Snyder, 251 Kearny St., San Francisco.
Michel & Pfeiffer, 1415 Harrison St., San Francisco, have been awarded a contract for the ornamental iron work.
Figures are now being taken for the roofing and next week the plastering will be figured.

Since the war South America has gained as a producer and exporter of platinum.

The Observer.

(Continued from Page Four)

Directors for the coming year were elected by the members of the Master Builders' Association of Sacramento on November 11. The directors will choose officers for the organization from their number in a few days. The following were named on the board: W. B. Ledue, Ira C. Voss, L. G. Siller, A. W. Norris and Geo. D. Hudnutt. Hudnutt, who is president of the organization, presided. Various subjects of interest to the building business were discussed, among which was the need for more building mechanics and laborers in Sacramento. In spite of many rumors concerning unemployment, it was declared that an acute shortage of building labor existed here.

Edward Mullin, contractor of Burlingame, was killed in an auto accident November 11th.

Oscar Lanzendorf, formerly assistant to County Engineer Edward von Geldern of Sutter County, has been appointed county engineer and von Geldern appointed county surveyor. A recent decision of the Supreme Court made the appointments necessary.

Now that the nations have gotten together to talk eternal peace and disarmament, would it not be a good idea to get landlords and tenants together in a friendly meeting and have them agree to some reasonable arrangement. More home owners and fewer tenants would remedy this situation.

More homes are under construction in Stockton than at any time since the war restrictions were placed on all forms of civilian building projects. New improvements are being made in every section of the city.

Chief Engineer Geo. F. Nicholson of the Seattle Port Commission has been granted a leave of absence, from four to six months, for the purpose of going to Cork, Ireland, to prepare comprehensive plans for harbor development in that city.

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Send me Building and Engineering News for one year, commencing with next issue, for which I enclose check for $4.00

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Official Proposals

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on December 12th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

San Joaquin County, between Tracy and a point ¾ miles easterly (III-SJ-5-A), about seven-tenths (0.7) miles in length, to be surfaced with asphalt concrete.

Merced County, between ¾ miles northwest of Merced and Gerard Avenue (VI-Mer-4-A & C), about two and eight-tenths (2.8) miles in length, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

BIDS WANTED ON ERECTION OF SCHOOL BUILDING

NOTICE TO CONTRACTORS

Sealed proposals will be received by the Clerk of the Board of School Trustees of Novato School District, **up to and including November 25th, 1921, at 10:00 A. M. of said day,** when the said bids will be opened at the School House at Novato, Marin County, California, for furnishing of all materials and labor necessary for the erection of a school building to be located on property on the southeast corner of the State Highway and Grant avenue, Novato, Marin County, California, according to plans and specifications which can be seen at the residence of Elodie S. Cole, Novato, Marin County, California, or at the office of Walter H. Parker, Architect, 57 Post Street, San Francisco, California.

A deposit of $25.00 payable to the Clerk of the Novato Board of School Trustees, will be required on each set of plans and specifications delivered to prospective bidders. This deposit to be returned upon surrender of said plans and specifications.

All bids must be addressed to Elodie S. Cole, Clerk of Novato Board of School Trustees, Novato, Marin County, California, and each bid must be accompanied by a certified check on some reliable bank in a sum equal to at least ten per cent (10%) of the amount of the bid, made payable to the undersigned Clerk of said Board, same to be forfeited to the School District in case the party to whom the contract shall be awarded shall fail to execute within ten (10) days after the award of said contract, and furnish bonds required by law to be approved by the Board of Trustees and enter into a written contract with said Board of Trustees in accordance with said plans and specifications and the bids thereon.

The said Board of Trustees reserve the right to reject any or all bids so received.

Dated, Novato, November 9, 1921.
ELODIE S. COLE,
Clerk of Board of Trustees, Novato School District.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENTS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on December 5,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Shasta County, across Anderson Creek near Anderson, and Canyon Creek and Oregon Gulch near Redding (II-Sha-3-A), three reinforced concrete girder bridges as follows: Across Anderson Creek, a bridge consisting of four spans of thirty feet each; across Canyon Creek, a bridge consisting of three spans of twenty-eight feet each; across Oregon Gulch, a bridge consisting of two spans of forty feet each.

Santa Clara County, between Morgan Hill and Gilroy (IV-SCL-2-C), about seven and nine-tenths (7.9) miles in length, to be surfaced with asphalt concrete.

Fresno County, between Selma and Kingsburg (VI-Fre-4-A), about three and seven-tenths (3.7) miles in length, to be paved with Portland cement concrete shoulders and an asphalt concrete wearing surface.

Los Angeles County, in two sections, the first near Castaic School (VII-LA-4-B), about four-tenths (0.4) miles in length, and the second between the south line of Section 21, T. 6 N., R. 17 W., S. B. B. & M., and 11 miles south of Liebre Mountain (VII-LA-4-B&C), about six and six-tenths (6.6) miles in length, a total distance of about seven (7.0) miles, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's Offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated November 7, 1921.
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BIDS WANTED FOR LIBRARY

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Clerk of the Board of Supervisors of the County of Kern **up to 10:30 A. M., Monday the fifth day of December, 1921,** for the furnishing of all materials and labor for, and the erection and completion of a one-story Branch Library Building at Wasco, California, and a one-story Branch Library Building at Maricopa, California, in accordance with plans and specifications on file with the said clerk and open for inspection of bidders. Bids will be received separately or as a whole. Plans and specifications may be had at the office of Charles H. Biggar, architect, 405 First National Bank Building, Bakersfield, California, and the work will be done under his supervision.

Certified check in the amount of ten per cent of the amount bid, must accompany each bid. Such check to be made payable to the clerk of the Board of Supervisors, County of Kern, Calif., and will be held as evidence of good faith that the successful bidder will enter into contract for the erection of the building and will furnish good and sufficient bond therefore.

The Board of Supervisors reserves the right to reject any and all bids and to waive any informality in any bid received.

By order of the Board of Supervisors of the County of Kern, made November 7, 1921.

F. E. SMITH,
County Clerk and Ex-officio Clerk of the Board of Supervisors.

BIDS WANTED FOR STREET WORK

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Clerk of the Board of Trustees of the City of Calexico, California, **up to 8 o'clock P. M. of Tuesday, the sixth day of December, 1921,** for the construction of concrete sidewalks, concrete curbs, concrete cross walks and street grading. Reference is hereby made to Resolution of Intention No. 234 of the said Board of Trustees declaring its intention to order the said work to be done, for further particulars, which Resolution is on file in the office of the City Clerk of the City of Calexico, California.

Reference is further made to "Notice Inviting Sealed Proposals," printed in the Calexico Chronicle and posted at the City Hall of the City of Calexico in the manner and at the time as is provided by law.

The street work herein referred to is to be done under the provisions of an Act of the Legislature of the State of California, known as the "Improvement Act of 1911," approved April 7th, 1911, and all Acts supplementary thereto or amendatory thereof.

Serial bonds shall be issued to represent each assessment of $25.00 or more remaining unpaid for 30 days after the date of the warrant or 5 days after the decision of the Board of Trustees upon an appeal to represent the assessment against the improvement, said serial bonds to extend over a period ending nine years from

and after the 2nd day of January next succeeding the date of said bonds, and an even annual proportion of the principal sum thereof shall be payable, by coupon, on the 2nd day of January every year after their date until the whole is paid; and the interest shall be paid semi-annually by coupon on the 2nd day of January and July respectively of each year at the rate of 7 per cent per annum on all sums unpaid until the whole of the said principal and interest are paid; said bonds shall be issued in accordance with provisions of the Act of the Legislature of the State of California known as the "Improvement Act of 1911."

Each bid must be in the form provided in the specifications for the said work, and must be accompanied by a check payable to the City of Calexico, certified by a responsible bank, for an amount which shall not be less than 10 per cent of the aggregate of the proposal, or by a bond for the said amount and so payable, signed by the bidder and two sureties who shall justify before an officer competent to administer an oath, in double the said amount and over and above all statutory exemptions. The successful bidder will be required to enter into a contract for said work and to execute a bond as provided by the Act hereinbefore referred to. The Board of Trustees may reject any and all proposals or bids.

The plans and specifications are on file with the City Clerk of the said City of Calexico, and with the City Engineer at the offices of Allison & Entenmann, Consulting Engineers, Calexico, California.

The approximate items of work covered herein are as follows:

Concrete sidewalk, 474,270 square feet.

Concrete cross walks, 32,652 square feet.

Concrete curbs, 98,833 lineal feet.

Grading, 30,600 cubic yards.

PAUL B. STEINTORF,
Clerk of the Board of Trustees of the City of Calexico.

BIDS WANTED FOR BLACKBOARDS SHADES AND LINOLEUM

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Trustees of Willows Union School District of Glenn County, Calif., **until 8 o'clock P. M., Friday, November 25th, 1921,** for furnishing and installing Slate Blackboards, Window Shades and Cork Linoleum, all in accordance with the plans and specifications as prepared by W. H. Weeks, Architect, for the schoolhouse now in course of construction for the said Willows Union School District.

Plans and specifications may be seen at the office of the County Superintendent of Schools in Willows, California, or at the office of W. H. Weeks, Architect, 369 Pine Street, San Francisco.

All bids should be presented on blank forms furnished by the Board of Trustees which may be procured from the County Superintendent of Schools, or from W. H. Weeks, the architect.

Each bid must be accompanied by a certified check on some responsible California bank in a sum not less than five (5) per cent of the amount of the bid, made payable to A. D. Pieper, President of the Board of Trustees of Willows Union School District, as a guaranty of good faith that the party to whom the contract may be awarded will, within ten days, enter into the necessary agreement and bonds for the faithful performance of said work, and in case the successful bidder to whom the contract is awarded fails or refuses to enter into said agreement and bonds, said check will be forfeited to the said School District in the manner provided by law.

Each bid must be enclosed in a sealed envelope and addressed to A. D. Pieper, President of the Board of Trustees of Willows Union School District, Willows, California, and endorsed "Bid for Blackboards, Cork Linoleum and Window Shades."

The Board of Trustees reserves the right to reject any or all bids.

By order of Board of Trustees, of Willows Union School District, Glenn County, California.

H. G. RAWLINS, Clerk.

Dated at Willows, California, November 7th, 1921.

NOTICE TO CONTRACTORS

STEEL AND CONCRETE BRIDGE

Sealed bids will be received by the Clerk of the Board of Supervisors of Sacramento County, California, at his office in the Court House at Sacramento, California, **up to 2:00 o'clock p. m., December 5th, 1921,** for furnishing material and constructing steel and concrete bridge across the Sacramento River about one mile above Isleton, Sacramento County, California; 556,000 lbs. of structural steel to be furnished by Sacramento County; all other material to be furnished by the contractor.

Each bidder must submit a proposal to the Clerk of the said Board of Supervisors on standard forms which may be obtained from the County Surveyor's office, said proposal to be accompanied by a certified check to the amount of ten per cent (10%) of the total amount bid, said check to be made payable to the Chairman of the Board of Supervisors of Sacramento County, California.

Plans and specifications are on file in the office of the County Surveyor of Sacramento County, to which bidders are hereby referred. Copies of said plans and specifications will be mailed to any address upon receipt of check for $10 made payable to the Chairman of the Board of Supervisors, said check to be returned upon return of the plans.

The Board of Supervisors reserves the right to reject any and all bids and to waive any informality in the bids received, as the public good may require.

(Seal) H. K. JOHNSON,
Chairman, Board of Supervisors.
ATTEST: Harry W. Hall, Clerk; by F. M. Lampert, Deputy.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on November 28th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Santa Barbara County, between 2½ miles east of Naples and Canada de las Llagas (V-SB-2-G), and between Los Chiqueros Creek and Gaviota Creek (V-SB-2-E & F), about eight and fourtenths (8.4) miles in length, to be paved with Portland cement concrete shoulders and an asphalt concrete wearing surface.

Fresno County, between Fresno and a point 2.3 miles northwesterly (VI-Fre-4-C), about two and three-tenths (2.3) miles in length, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated October 31, 1921.

NOTICE TO CONTRACTORS

NOTICE TO STEEL ROLLING OR STEEL LIFT DOOR MANUFACTURERS

OFFICE OF THE BOARD OF STATE HARBOR COMMISSIONERS, Union Depot and Ferry House, San Francisco, California, October 31, 1921.

SEALED PROPOSALS or bids will be received at this office **at or prior to 11 o'clock A. M., on Thursday, December 1, 1921,** for furnishing and installing steel rolling or steel lift doors in Bulkhead Building, Pier 5, on the waterfront of the City and County of San Francisco, in accordance with the plans and specifications prepared for these doors by the Chief Engineer and adopted by the Board August 4, 1920, and on file in this office, to which special reference is hereby made.

No bid will be received unless it is made on a blank form furnished from this office and is accompanied by a certified check for an amount equal to five (5) per cent of the amount of the proposal to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the total amount payable by the terms of the contract, with a corporation thereunto duly authorized by law and commonly known as a surety company, as surety (such surety to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the office of the Secretary), and conditioned for the faithful performance by the contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done, or for any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefit of material men, mechanics and laborers as provided by that certain Act of the Legislature of the State of California approved May 1, 1911 (Stats. 1911, p. 1422). Said bond must be acceptable to and approved by said Board, both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the office of the Secretary, Room No. 17, Union Depot and Ferry House, **at or prior to 11 o'clock A. M., on Thursday, December 1, 1921,** at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House upon depositing $10.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid "Bid for Doors Bulkhead Building, Pier 5."

JOHN H. McCALLUM,
HARRY H. COSGRIFF,
FREDERICK S. MOODY,
Board of State Harbor Commissioners.
FRANK G. WHITE,
Chief Engineer.
HILDA GOHRMAN,
Secretary.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

FRESNO, Fresno Co., Cal.—Due to the fact that only one firm may submit bids for culverts, under the present county specifications, the Board of Supervisors propose to revise them that other firms may have a chance to bid. The Board is contemplating calling bids for constructing culverts under a blanket contract covering one year. Chris. P. Jensen, County surveyor.

SAN ANDREAS, Calaveras Co., Cal.—Until Dec. 5, 1 P. M., bids will be received by A. W. Poe, County Clerk, for constructing reinforced concrete bridge over Los Muertos Creek, near Pecchenino's place, on road leading from Angels Camp to Carson Hill; also for the construction of a concrete culvert, and making about a two thousand yard fill for approach to above bridge.

Certified check for 10% payable to County Treasurer required with each bir. W. S. Coulter, Copnty Surveyor.

PLACERVILLE, El Dorado Co., Cal.—Until Nov. 28, 11 A. M., bids will be received by Arthur J. Koletzke, County Clerk, for constructing concrete bridge over Weber Creek on Big Cut road. Certified check for 10% payable to Chairman Board of Supervisors required with each bid. Henry Lahiff, County Surveyor.

SAN JOSE, Santa Clara Co., Cal.—Until Dec. 5, 11 A. M., bids will be received by Henry A. Pfister, County Clerk, for constructing reinforced concrete bridge in San Martin avenue, over Llagas crek, Supervisor District No. 1. Certified check for 10% payable to clerk required with each bid. Irving Ryder, County Surveyor.

MERCED, Merced Co., Cal.—Supervisors reject bids received for cleaning out Bear Creek. Three bids were received, two for the whole 95 sections into which the work had been divided; these being, $12,672 and 9,610. The third was for 11 sections, for $874.90. Only $5,000 is available for the work. A. E. Cowell, County Surveyor.

PHOENIX, Ariz.—Until 2 P. M., Dec. 17, bids will be received at office of Salt River Valley Water Users Assn. at Phoenix for constructing Cove Creek flood control dam. Plans and spec. may be obtained from Chairman V. A. Thompson of the Cave Creek Flood Control Board, at the office of the City Manager, Phoenix, on payment of $5. The proposed dam will be an earth fill with concr. core, involving 370,000 cu. yds. embankment; 10,000 cu. yds. concr.; 540,000 lbs. reinf. steel and 25,000 sq. yds. rip-rap. Bids will also be taken on alternate design.

STOCKTON, San Joaquin Co., Cal.—According to word received in this city from Congressman C. F. Curry the Board of Army Engineers for Rivers and Harbors has not approved the deeper waterways project of the municipality on the ground that the expenditure would not be justified by the commerce to be served. The city is given 30 days to file a supplemental statement and arguments.

EUREKA, Humboldt Co., Cal.—Supervisors instruct County Surveyor Arthur J. Logan to prepare plans and spec. for a drawbridge across Mad River slough on the proposed right-of-way for the thoroughfare to the Hammond lumber camp.

IRRIGATION PROJECTS

SAN DIEGO, Cal.—An election will be held December 13 to vote on the formation of the proposed Sweetwater Irrigation District.

LIGHTING SYSTEMS

SACRAMENTO, Cal.—City Electrician C. W. Beaton estimates the cost of installing electroliers in the Oak Park District at $2.22 a front foot. It is proposed to install imitation granite standards. In all the system will cost approximately $4,593.18. Albert Givan, City Engineer.

BURLINGAME, San Mateo Co., Cal.—Trustees, J. R. Murphy, City Clerk, declare intention to install cast iron electroliers in Main street, between San Mateo Drive and Bellevue Ave. Work under Improvement Act 1911. Protests will be heard Dec. 5.

MERCED, Merced Co., Cal.—City Trustees adopt metal standards, 420 in all, for electrolier system. Will be of cast iron or rolled steel. Bids will be called for in the near future. C. D Martin, City Engineer.

LOS ANGELES, Cal.—D. S. McEwan, 127 Pier Ave., Ocean Park, submitted low bid to supervisors at $37,500 for constructing ornamental lighting system in Crescent Hts. Lighting Dist. Other bids were: H. H. Walker, $39,564; C. W. Sparks, $40,938; Southern Calif. Elec. Co., $41,600.

H. H. Walker, 1018 Hibernian Bldg., submitted low bid at $5514 for constructing ornamental lighting system in Southgate Lighting Dist. Other bids were: D. S. McEwan, $5868; Standard Elec. Co., $6300; Southern Calif. Elec. Co., $6391; Humphrey Eng. & Constr. Co., $6674; C. W. Sparks, $6925; W. T. Ellington, $14,000.

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FULLERTON, Orange Co., Cal.—City Engr. Ben F. Dupuy has been authorized by Council to prepare plans and spec. for ornamental lighting systems on following streets: E. Union Ave., Spadra to Pomona; E. Union Ave., Pomona to Harvard; E. Amerige, Spadra to Pomona; W. Amerige, Spadra to Malden; W. Amerige, Malden to Highland; W. Wilshire, Spadra to Malden; W. Whiting, Spadra to Ford; E. Chapman, Spadra to Harvard; E. Commonwealth, Pomona to Lawrence.

PASADENA, Los Angeles Co., Cal.—City Engineer E. P. Dewey is preparing plans for an ornamental lighting system on S. El Molino Ave. bet. California and Fillmore Sts.

MACHINERY

ANAHEIM, Orange Co., Cal.—Until 8 P. M., November 24, bids will be received by the City Trustees for 4-cylinder motor truck. Specifications on file with City Clerk E. B. Merritt.

PASADENA, Los Angeles Co., Cal.—Until 11 A. M., Nov. 21, bids will be received by City Manager C. W. Koiner for 10,000 ft. 4-in., 10,000 ft. 6-in., 2400 ft. 8-in. and 2400 ft. 12-in. Class B cast iron water pipe and the following Class D cast iron fittings: Tees, 24 4x4-in., 18 6x14-in., 12 6x6-in., 6 8x4-in., 6 8x6-in., and 2 12x6-in.; reducers: 6 6x4-in. and 4 8x6-in.; increasers: 6 6 x 4-in., 3 8 x 4-in., and 3 8x6-in.; 1 12 x 8-in. cross; bends: 12 4 x 45-deg., 3 8 x 45-deg., and 3 8x22½-deg.; sleeves: 12 4x10-in., 12 6x10-in., 6 8x12-in., 3 10x12-in., and 6 12x14-in.; plugs: 24 4-in., 24 6-in., 6 8-in and 3 12-in.

ALAMEDA, Alameda Co., Cal.—Specifications have been completed for a municipal garbage incinerator and it is expected that bids will be asked by the Council shortly, so that work might be commenced the first of the year. Clifton E. Hickok, City Manager.

WILLOWS, Glenn Co., Cal.—P. E. Alvoid, Los Angeles, at $1490 awarded contract by Supervisors to fur. and del. for use in Road Dists. Nos. 2 and 4, one Monroe "Jumbo" road machine, 25 ft. spread. J. D. Caldwell Co., of Oakland, submitted a bid of $776 for another make of machine, but this bid was not considered. Bayyard Knock, County Surveyor.

SAN FRANCISCO, Cal.—The following bids were received on November 17th by the Board of State Harbor Commissioners for furnishing material and building a single screw inspection and tug boat with a single deck and a cabin, pilot house and engine house, all complete. All bids were taken under advisement until next Wednesday:

John Twigg & Son, (1) $12,400; (2) $13,800.

Stephens Bros, (1) $14,000; (2) $15,600.

Geo. W. Neece, (1) $13,992; (2) $15,600.

Pacific Boat Co., (1) $12,219; (2) $10,759

REDDING, Shasta Co., Cal.—Ellamore Ice Cream Co. of Marysville lets contract to Creamery Package Co., 699 Battery, San Francisco, to furnish and install machinery in company's plant at Redding.

SUSANVILLE, Lassen Co., Cal.—Town Trustees appoint committee to consider ways and means of procuring adequate fire protection for the town.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

SANTA BARBARA, Cal.—Until Dec. 7 new bids will be received by the Supervisors for construction of the Surf-Lompoc road in the Lompoc permanent road division. Bonds to the amount of $400,000 were voted to pave 28 miles of road with 3½-in. asph. concrete base and 1½-in. asph. concrete surface. Samuel Hunter and Chas. T. Richardson of Santa Barbara, submitted the only bid August 22 last for 23 miles of this road and it was rejected because the county did not have available $100,000 which it had agreed to appropriate toward the work.

PASADENA, Los Angeles Co., Cal.—Miagenovich & Gillespie, 1029½ W. 36th St., Los Angeles, awarded contract at $50,900 for constructing sewer system in Mountain and other streets, Pasadena Hts., involving 24,939 ft. 8-in., 2298 ft. 14-in., 1402 ft. 16-in., 392 ft. 20-in. vit. pipe and 96 manholes.

SANTA ANA, Orange Co., Cal.—A contract will be signed by city officials of Anaheim and Santa Ana for construction of a joint outfall sewer to the ocean, estimated to cost $564,807. Santa Ana will issue bonds for $315,000 and Anaheim bonds for $250,000. Plans include disposal works with screening plant.

FORTUNA, Humboldt Co., Cal.—No bids were received by the Trustees on November 7 for improving C street, from Third to Seventh, by grading, paving with 5-in. reinforced concrete; concrete and iron catchbasins, corrugated iron culverts and constructing concrete bridge over Rohner Creek. Bids were ordered re-advertised for. F. A. McKee, Town Engineer.

YREKA, Siskiyou Co., Cal.—Until Dec. 5, 10 A. M., bids will be received by W. J. Neilon, County Clerk, for constructing Hessig to Oregon Line road (No. 285) in Klamath Road District. Cert. check 10% required with each bid. H. J. Sarter, County Surveyor.

YUBA CITY, Sutter Co., Cal.—Oscar Lanzendorf, former Assistant County Engineer under Edward von Geldern, has been appointed County Engineer, while von Geldern will return to his position as County Surveyor.

SACRAMENTO, Cal.—Following bids received by State Highway Comm. Nov. 14, for surfacing with asph. concrete (approx. 10,000 tons) 8.3 miles of highway in Solano County between Batavia and the north boundary:

Clark & Henery Constr. Co., Sacramento	$44,200
N. Teichert & Son, Sacramento	48,8000
Warren Constr. Co., Portland	49,000
P. Ritchie, S. F.	49,400
Pacific States Constr. Co., San Francisco	54,500
McGillivray Constr. Co., Sacramento	58,700
Engineer's estimate	54,625

CORCORAN, Kings Co., Cal.—Bids of L. F. Rhodes of Corcoran and Fisher and McNulty of Fresno to construct concrete sidewalks in Hall Ave., taken under advisement by City Trustees.

OAKLAND, Cal.—Supervisors decide to repair road from Livermore to the mines of the Western Development Company in the hills, 35 miles from Oakland; estimated cost, $3,500. Geo. A. Posey, County Surveyor.

SACRAMENTO, Cal. — McGillivray Construction Co., Capital National Bank Bldg., has been awarded a contract by City Commission to improve the alley between P and Q, 29th and 30th streets, by constructing 2 concrete catchbasins connected to sewer with 6-in. vitrified pipe; reconstructing 1 concrete manhole and grading and paving with 5½-in. asphaltic concrete.

McGillivray Constr. Co. awarded a contract to improve alley between R, S, 5th and 6th streets, by constructing 1 concrete catchbasin, connected to sewer with 6-in. vitrified pipe, reconstructing 1 concrete manhole, constructing concrete wall, grading and paving with 5½-in asphaltic concrete. Albert Givan, City Engineer.

SACRAMENTO, Cal.—Until Nov. 25, 9 P. M., bids will be received by M. J. Desmond, City Clerk, for improving 35th street between Y and 3rd avenue, by constructing concrete curbs and gutters, 4 cast iron drains connected to sewer with 6-in. vitrified pipe, grading and paving with 5-in. asphaltic concrete.

Separate bids will be received the same date for improving Santa Ynez Way from manhole in place between N street and Folsom Blvd., to a point 148.5 ft. north of center line of N St., by constructing vitrified pipe sewer, 1 concrete manhole; improving 3-ft. easement adjoining lots 25 to 29, inclusive, in Crescent Park by constructing vitrified pipe sewer with 7 6-in. vitrified wyes, 1 6-in. vitrified flusher branch, 1 concrete manhole; improving easement adjoining lots 20 to 24 of Crescent Park by constructing vitrified pipe sewer, 10 6-in. vitrified wyes, 1 6-in. vitrified flusher branch. Albert Givan, City Engineer.

REDDING, Shasta Co., Cal.—R. A. Monroe, engineer for Pacific Gas and Electric Co., is in this city to commence improvements on company's water system. The work will consist or rerouting mains, improve reservoir and install filtration plant. Between $40,000 and $60,000 will be expended in the work.

OAKDALE, Stanislaus Co., Cal.—Oakdale Irrigation District lets contract to Diamond Drilling Co., of San Francisco for making 350 ft. of borings to determine the nature of the soil at the Melones Dam site. The board agrees to pay at the rate of $6 ft. for the first 350 ft., with a reduction of 50 cents ft. in case 500 ft. are required, and a second similar reduction in case it exceeds that amount. Standpipe is to be paid for at the rate of $7.50 per ft. A. J. Wiley is consulting engineer for the project.

WOODLAND, Yolo Co., Cal.—George H. Hopping has been named County Purchasing Agent by the Supervisors. Hopping was formerly connected with the County Surveyor's office.

BERKELEY, Alameda Co., Cal.—Until Nov. 29, 4:15 P. M., bids will be received by Clyde E. Blanchard, acting secretary, Board of Education, 2133 Allston Way, for constructing cement walks, etc., at Academic building of High School in Kittridge St. between Grove and Milvia Sts. Spec. may be had from Architect Wm. C. Hays, 1325 First Natl. Bank Bldg., San Francisco.

SPOKANE, Wash.—City Commission contemplates construction of downtown sewer, estimated cost $360,000, by day labor instead of by contract. J. F. Shea Co. of Portland, Ore., submitted lowest bid for construction, but bid is considered excessive.

SAN FRANCISCO.—Until Nov. 30, 3 P. M., bids will be received by Board of Public Works for improving Ellert St. bet. Bennington and Andover Sts., estimated cost $575, involving 1476 sq. ft. asph. concr. pavement and 99 lin. ft. concr. curbs. M. M. O'Shaughnessy, City Engineer.

SEATTLE, Wash.—Florito Bros., Thompson Bldg., at $52,337 submits low bid to Board of Public Works for constructing clay pipe sewers in 70th Ave. C. A. Schram at $48,101 low bidder using concrete pipe. Taken under advisement.

INGLEWOOD, Los Angeles Co., Cal.—Until 8 P. M., Nov. 21, bids will be received by City Trustees for improving portions of Market and Commercial Sts. bet. Los Angeles and Pimento Sts. and portions of Regent and Queen Sts., involving 7061 cu. yds. grading and 259,384 sq. ft. 6-in. concr. pavement. Arthur Cory, City Engineer.

CALIFORNIA.—Until Dec. 12, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., Sacramento, for surfacing with asph. concr. 0.7 mi. of highway in San Joaquin County bet. Tracy and a point ¾ mi. easterly and for surfacing with asph. concr. 2.8 mi. of highway in Merced County bet. ¾ mi. northwest of Merced and Gerard Ave. **See call for bids under official proposal column in this issue.**

BERKELEY, Alameda Co., Cal.—Until Nov. 29, 10 A. M., bids will be received by E. M. Hann, City Clerk, for constructing comb. concr. curbs and gutters in portions of Ridge Rd. and Le Roy Ave., including concr. valley gutters and curb inlets. Imp. Act 1911. C. L. Huggins, City Engineer.

SANTA ANA, Orange Co., Cal.—City Councils of Anaheim and Santa Ana have approved plans for the proposed joint outfall sewer to the ocean.

LOS ANGELES, Cal.—City Council has appropriated $2000 for blower system for ventilation of Third St. tunnel.

VENICE, Cal.—The City Water Co., G. M. Jones, pres., contemplates laying a 12-in. or 14-in. pipe line from its reservoir to distributing system.

SAN LUIS OBISPO, Cal.—Sherer & Crowley, Los Angeles, at $.57 cu. yd. awarded contract by Supervisors for 113,400 cu. yds. of grading, San Juan-Pozo grade. Other bidders were: R. McLaren & Co., $.73 cu. yd.; Erickson & Peterson, $.62 cu. yd.; H. B. Gould, $.72½ cu. yd.; Chadwick & Sykes, $.74 cu. yd.; D. Delucca, $.60 cu. yd.; B. B. Boyd, S. D., $.60 cu. yd.; Pacific Constr. Co., $.63 cu. yd.; W. A. Dontanville, $.84 cu. yd.; Palmer & McBryde, $.69½. Warren B. Burch County Surveyor.

CHICO, Butte Co., Cal.—City Trustees accept offer of Engineers Baker and Carpenter of San Francisco to appraise holdings of Chico Water Supply Co. for the sum of $250. Trustees planning purchase of system.

WHITTIER, Los Angeles Co., Cal.—Until 7:30 P. M., Nov. 28, bids will be received by City Clerk Clarence O. Trueblood for improving Hadley St. bet. Alta Ave. and southwest city limits by grading and paving with 6-in. cem. concr.; curb and catch basin, also for improving Franklin St. bet. Painter Ave. and east city limits by grading and paving with 5-in. cem. concr.; curb and sidewalk; both jobs under 1911 Act.

ARCADIA, Los Angeles Co., Cal.—City Engineer O. A. Gierlich estimates the cost of completing the improvement of the city's streets at $260,000. Paving of important streets will be taken up first.

YUBA CITY, Sutter Co., Cal.—December 6 is date set by Supervisers to receive bids for paving with reinf. concr. or asph. macadam, 4.24 mi. of Knights Landing-Kirkville road bet. Knights Landing and Maddock, 15 ft. wide, 5 in. thick. Separate bids will be considered on same date for paving Oswald lateral with waterbound macadam for a distance of 2.12 miles. Edward von Geldern, County Surveyor.

LOS ANGELES, Cal.—W. E. Hall, 286 Bandini Ave., Riverside, submitted low bid to Supervisors at $52,250 for paving 1.4 mi. streets in city of Puente in Road Imp. Dist. No. 199, involving 13,409 cu. yds. excav.; 25,618 sq. yds. shaping; 13,395 lin. ft. curb; 13,540 sq. ft. concr. gutter and 25,618 sq. yds. oil macad. pavement. Other bids were: Fleming Constr. Co., Pomona, $54,368; W. T. Ellington, $54,-000; H. E. Cox, Pasadena, $57,500; Graham Bros. & Bruce, Long Beach, $58,262.05. Sander Pearson, $59,991; C. W. Sparks, $61,970. Bids referred to County Road Com. Jones.

LOS ANGELES, Cal.—Mike P. Rulinica, 427½ W. Temple St., submitted low bid to Board of Public Works at $1481 for constructing storm drain in Ave. 24 bet. N. Broadway and Mantou Ave. John Sutalo, 476 Camulos St., submitted low bid at $3637 for constructing cem. pipe sewer in Carolina St. bet. 31st and 32nd Sts. Martin Culjak, 367 Cornwall St., submitted low bid at $1746 for constructing a sewer in Dahlia Ave. and Maltman Ave.

OROVILLE, Butte Co., Cal.—Chamber of Commerce, Frank B. Durkee, secretary, proposes that County Supervisors request Federal Government to appropriate funds for constructing a road from Chico to Chester, via Deer Creek canyon. If this request is granted the chamber urges that the Supervisors appropriate $80,000 from the County Highway Funds for the Humboldt road and use it to assist the Government in building the Deer Creek Canyon Highway. Harry H. Hume, County Surveyor.

MERCED, Merced Co., Cal.—Work has been started by day's labor on a 7-mile unit of county highway between Cox Ferry bridge and Snelling. A 5-in. concr. pavement will be built.

RENO, Nevada.—City Council outlines plans for 1922 paving program. It is proposed to include in the program the completion of the "belt line" streets: Ralston St., 7th to 11th; Ralston St., S. P. right-of-way to 2nd St.; 11th St., Sierra to Vine; Belmont Rd., California Ave. to Liberty St.; Belmont Rd., Court St. across island (Wingfield Park) to 1st; E. 6th St., Alameda Ave. to Evans, Alameda Ave., 4th to 6th Sts.; Park St. North to Mill; E. Mill St., Trucker to Washoe Sts., Wheeler Ave., Stewart to Cheney, and Cheney from Wheeler Ave. to S. Virginia St. Other streets to be improved are: Tenth St., Sierra to Virginia; 8th St., Sierra to University Ave.; Lake St., 6th to 8th; Elm St., Sierra to Ralston; 5th St., Virginia to Ralston; Vine St., S. P. right-of-way to Riverside Ave.; Arlington Ave., California Ave. to city limits; Plumas St., California Ave. to city limits; Marsh Ave., Arlington to Plumas. Harry Chism, City Engineer.

BAKERSFIELD, Kern Co., Cal.—City Council approves revised specifications for improvements in Street District No. 76, including the paving of certain portions of A, D, E, F and G Sts., and the alley in block 200 from D to E Sts., and laying of sewers in the alleys through blocks 237, 238 and 239, including the construction of curbs, gutters and sidewalks, where not already. Spec. provide for 3½-in. asph. concr. base with a 1½-in. Warrenite wearing surface. R. H. Hubbard, City Engineer.

REDONDO BEACH, Los Angeles Co., Cal.—California Willite Road Constr. Co. of Los Angeles awarded contract at $8300.60 for improving Lucia Ave. by grading and paving with Willite and constructing curbs. Geo. R. Curtis bid $9161.24. H. Wigman, 1905 Summit St., Hermosa Beach, was awarded contract at $8904.80 to improve N. Helberta Ave. by grading and oiling and constructing curb, gutter and sidewalks. E. L. Garretson & Son bid $10,505.15 and Sander Pearson bid $11,653.61.

SAN FRANCISCO.—Board of Public Works approves specifications for improving Joost Ave. bet. Foerster and Edna Sts.; estimated cost, $13,700. Project involves 2643 cu. yds. cut; 939 cu. yds. fill; 1605 lin. ft. concr. curb; 12,050 sq. ft. concr. pavement and 8553 sq. ft asph. concr. pavement; 3 brick catchbasins; 110 lin. ft. 10-in. vit. pipe culverts; 8 12-in. vit. wye branches; 100 lin. ft. 12-in. vit. pipe sewer; 370 sq. ft. art. stone sidewalks.

Specifications also approved for improving Cabrillo bet. 34th and 35th Aves., involving 480 lin. ft. concr. curbs and 12,000 sq. ft. asph. concr. pavement. M. M. O'Shaughnessy, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—City Engineer James K. James preparing specifications for a sewer in Curtis St. and a portion of Coulson Ave.

SAN FRANCISCO.—Schultz Constr. Co., 46 Kearny St., at $18.75 each awarded contract by Board of Public Works for furn. and del. street signs; total amount of contract, $6937.70.

SAN FRANCISCO.—Following bids received by Board of Public Works for street improvements:

Widen Castro St. bet. 17th and 19th, involving resetting of 6 brick catchbasins, construct 24 lin. ft. granite curb, redress and reset 2240 ft. granite curb, construct 8720 sq. ft. asph. concr. pavement and 16,280 sq. ft. asph. concr. surface, 4440 sq. ft. art. stone sidewalks, reset 40 sewer traps:

Raisch Improvement Co.	$8877
City Construction Co.	8346
C. B. Eaton	8757

Constructing approx. 48,000 sq. ft. of roadway in Geneva Ave. from Walbridge to county line:

State Imp. Co.	$2688
Fay Improvement Co.	2856
C. B. Eaton	3792
City Construction Co.	2640

Balboa St. bet. 33rd and 42nd Aves., including crossings, involving: 104,-000 sq. ft. asph. pavement, 12,865 sq. ft. basalt header blox, 21,520 sq. ft. art. stone walks, 4810 lin. ft. concr. curb, 17 brick catchbasins, 595 lin. ft. 10-in. culverts:

State Imp. Co.	$53,233
Fay Imp. Co.	53,933
Pacific States Constr. Co.	54,357

Army St. bet. De Haro and 3rd Sts., involving 6361 lin. ft. concr. curbs, 146,570 sq. ft. asph. concr. pavement, 280 lin. ft. 8-in., 665 lin. ft. 12-in., 1120 lin. ft. 15-in., 280 lin. ft. 18-in. sewer; 4 8-in., 8 12-in., 17 15-in., 4 18-in. wye branches; 1000 lin. ft. 10-in. culverts, 9 brick manholes, 29 brick catchbasins:

State Imp. Co.	$69,905
Fay Imp. Co.	66,843
Raisch Imp. Co.	69,389

Improve San Jose Ave. bet. Ottowa and Sickles, involving 8530 cu. yds. cut, 4960 cu. yds. fill, 5816 lin. ft. concr. curbs, 590 lin. ft. 10-in. culverts, 16 brick catchbasins and 124,415 sq. ft. asph. concr. pavement:

Raisch Imp. Co.	$59,831
Fay Imp. Co.	67,624
C. B. Eaton	64,238

Improve Jerrold Ave. bet. San Bruno and Napoleon, involving 1660 lin. ft. concr. curbs; 58,500 sq. ft. asph. concr. pavement, 8 brick catchbasins, 240 lin. ft. 10-in. culverts:

Fay Imp. Co.	$21,062

Improve Jules Ave. between Holloway and Grafton, involving 532 cu. yds. cut; 1178 cu. yds. fill; 1200 lin. ft. concrete curbs; 10,000 sq. ft. concrete pavement and 14,000 sq. ft. asphaltic concrete pavement:

Raisch Improvement Co.	$10,257
C. B. Eaton	10,092

Improving Benton and Roscoe Sts., involving 86 cu. yds. cut; 56 lin. ft. concrete curbs; 3 brick catchbasins; 65 lin. ft. culverts; 1762 sq. ft. asphaltic concrete pavement and 216 sq. ft. art. stone walks:

City Construction Co.	$2017

Improve Bennington street bet. Ellert and Newman, involving 31 lin. ft. granite curb; 57 lin. ft. concrete curb; 284 sq. ft. art. stone walks; 2561 sq. ft. asphaltic concrete pavement; 2 brick catchbasins:

City Construction Co.	$1292

LOS ANGELES, Cal.—County Supervisors have adopted a resolution of intention to pave Narbonne Ave. and portions of 5 other streets in Road Imp. Dist. No. 194 with 5-in. oil macad. and to construct curb and sidewalk; also to grade Louisiana Ave. and portions of 3 other streets in Road Imp. Dist. No. 122, and to construct curb, sidewalk, gutter and catch basin.

MONTEREY, Monterey Co., Cal.—City Trustees plant widening of Franklin St. bet. Pierce and Larkin Sts. City Engineer H. D. Severance instructed to complete specifications for improving Houston St.

BERKELEY, Alameda Co., Cal.—W. J. Tobin, 527 Santa Ray Ave., Oakland, awarded contract by Council to construct 6-in. vit. sewer in portions of Colusa Ave., including construction of 2 brick manholes.

EL CENTRO, Imperial Co., Cal.—Until Dec. 19, bids will be received by Supervisors for paving following sections of county highway 1½ mi. south of Seely; 3 mi. through sand hills west of Bond's Corner bridge and 3 mi. west of Calexico to New River.

SANTA CRUZ, Santa Cruz Co., Cal.—City Council, S. A. Evans, clerk, declares intention to construct 6-in. vit. sewer in portions of Curtis St. and Coulson Ave., 3 brick manholes with 24 vit. wyes. Imp. Act 1911. Protests Dec. 6. James K. James, City Engineer.

WATTS, Los Angeles Co., Cal.—Petition has been filed for paving Wilmington St. from Main St. north with 6-in. concr. 40 ft. wide and construction of ornamental lighting system.

SAN LUIS OBISPO, Cal.—County Supervisors declare intention to construct cement sidewalks 5 ft. wide, 4 in. thick in 5th St. bet. C and Market and in Main St. bet. 5th and 6th. Road District Improvement No. 2.

Also declare intention to construct concr. curbs and gutters and 5-in. disintegrated rock base 5-in. pavament in portions of 5th, C, Main, Morro, 6th, 7th, 3rd and Market Sts. Road District Improvement No. 3. Warren Burch, engineer.

EUREKA, Humboldt Co., Cal.—Fred M. Kay, County Clerk, instructed to advertise for bids for constructing county highway to connect Samoa with Arcata. A. J. Logan, County Surveyor.

SANTA BARBARA, Cal. Petition for formation of Road Improvement Dist. No. 6 to pave about 4 miles of road west of Santa Barbara with asphaltic concrete at an estimated cost of $100,000 was denied by the County Supervisors because less than 50 per cent of property owners had signed.

EL CENTRO, Imperial Co., Cal.—Until Dec. 5 bids will be received by Supervisors for paving following sections of county highway: 4 mi. north and 1 mi. south of Holtville; 1.96 mi. east of Brawley; 1 mi. at Thompson's crossing and 1.8 mi. to east end of present paving near Imperial.

TUCSON, Ariz.—Resolutions of intention to improve Third St. between Stone & Park Aves. and between Eighth and Fourth avenue were adopted by the Council, November 7. Alternate bids will be taken for 8 types of pavement: 1½-in. sheet asph. on 1-in. cement concrete base; 1½-in. bitulithic top on 2½-in. bituminous base; 3-in. asphaltic concrete; 2-in. asphaltic concrete on 3-in. crushed rock base; 1½-in. Topeka top on 3½-in. or 3-in. base, 5-in. plain top cement concrete.

SAN JOSE, Santa Clara Co., Cal.—Council, John J. Lynch, City Clerk, declares intention to improve George St., from First to San Pedro: Re-grading, paving with 3-in. asphaltic concrete base with 1½-in. asphaltic concrete surface, concrete curbs and gutters. Wm. Popp, City Engineer.

WATTS, Los Angeles Co., Cal.—The City Trustees are negotiating for the purchase of 15 acres for a sewer farm.

MADERA, Madera Co., Cal.—W. J. Tobin, 527 Santa Ray Ave., Oakland, at $39,985.96 using vitrified pipe awarded contract for the Madera sewer system. For cement pipe, Tobin bid $39,201. Bids were also submitted by Harron & Hayes, Guy Chick, Cowden & Broderick, Fred Pellegrino & Co., Borwick & Chase, Pacific Constr. Co., Merced Pipe & Tile Co., and Fredrickson & Shannon. Frank Nikirk, City Engineer.

BAKER, Ore.—Until December 7, bids will be received by the County Court for grading 13.2 miles of the bridge section of the Baker-Cornucopia highway, involving 121,000 yards of excavation.

SANTA ANA, Orange Co., Cal.—Geo. R. Curtis, 2440 E. 26th St., Los Angeles, submitted low bid for paving Cypress Ave., involving 158,400 sq. ft. 3½-in. asphalt concrete base with 1½-in. top, including grading, at 21½c ft.; curb at 40c ft. and 528 ft. house connection sewers at 75c ft. Steele Finley submitted only other bid at 24c for paving, 75c for curb and $1.50 for sewers. W. W. Hoy, City Engineer.

GLENDALE, Los Angeles Co., Cal.—Until 6:30 P. M., December 2, bids will be received by the City Trustees for improving 1 block on Maryland street, 2 blocks on Chestnut street, and 1 block on Harvard by grading and surfacing with oil and rock screenings and constructing curb and walk and laying water pipe; also constructing ornamental lighting standards on Maryland Street.

RED BLUFF, Tehamá Co., Cal.—City Engineer W. F. Luning submits plans to the City Trustees for paving streets. Specifications provide for a concrete pavement, 24 feet wide, 6 in. thick. Estimates are: 148,800 sq. ft. paving, $41,325; 2,000 cu. yds. grading, $2 cu. yds., $4,000; bridge fills, $370.

SANTA ANA, Orange Co., Cal.—Until 7:30 P. M., Nov. 28, bids will be received by City Clerk E. L. Vegely for constructing a vitrified pipe sewer in Greenleaf Ave. and other streets, involving 2485 ft. 8-in. pipe, 2820 ft. 6-in. pipe, 5 manholes, 2 flush tanks and 2 lampholes. W. W. Hoy, City Engineer.

TORRANCE, Los Angeles Co., Cal.—Action on the bid of J. D. Beckjord for paving a number of city streets postponed by City Trustees to Dec. 6.

OAKLAND, Cal. — Southern Pacific R. R. and County Supervisors agree to build (jointly) a $75,000 overhead crossing at Carroll, west of Altamont. Plans for the structure have already been prepared by County Surveyor George Posey and it is expected a call for bids will be issued shortly.

TUCSON, Ariz.—Borderland Constr. Co. of Tucson submitted low bid at $38,256.05 for paving on W. Broadway, Mesilla, Main and Church Sts. Pacific Constr. Co. of Phoenix submitted the only other bid at $45,331.20.

SANTA ANA, Orange Co., Cal.—Until 7:30 P. M., Nov. 28, bids will be received by City Clerk E. L. Vegely for improving N. and S. Flower St. and W. First St. by regrading and constructing 5-in. concr. base with 1½-in. asph. concr. base, involving 204,900 sq. ft. grading, and paving 425 lin. ft. curb, 1060 ft. house connection sewers, 310 ft. 6-in. sewer, and 1 flush tank. W. W. Hoy, City Engineer.

BUSINESS OPPORTUNITIES

Henry Steen Jr., material officer, U. S. P. H. S. Hospital No. 52, Boise, Idaho, is in the market for furnishings for a hospital.

E. C. Richmond, Philbrick building, Raymond, Wash., desires to get in touch with manufacturers or wholesale dealers in lath yarn, metal, shingle bands and blacksmith coal, in this city.

L. K. Smith, 319 Clay St., San Francisco, wishes to communicate with firms interested in tool steel.

United States Caster Co., 604 South East St., Indianapolis, Ind., wishes to get in touch with jobbers and retail hardware dealers in this city.

Ross, Inc., 5414 Rainier Ave., Seattle, Wash., desires to communicate with electric power companies furnishing current for domestic and commercial cooking and heating purposes.

Altemus & Prindle, Grand Central Terminal, New York City, is equipped to supply pyrites in large quantities.

Jesse E. Tyson, 908 North Miami Ave., Miami, Fla., is in the market for sewing machine parts in wholesale quantities.

Martell Packings Co., Elyria, Ohio, wishes to secure active representation in this market by a sales engineer who calls on operators of steam or gas engine driven plants.

American Duplicator Co., 80 Pearl St., New York City, desires to arrange for a representative to handle the sale of duplicators in this city.

W. T. Harris, care U. S. Grant No. 2, Natchez, Miss., would like to get in touch with San Francisco firms equipped to manufacture a patented street-car brake.

Decatur Doll Co., 1375 East Orchard St., Decatur, Ill., wishes to get in communication with a San Francisco firm that would act as their agents for clay and plaster products.

National Collapsible Rim Corp., 152 West 42nd St., New York City, desires to arrange for a representative to handle the sale of collapsible auto rims in this territory.

F. Barsby, 1807 Eleventh Ave. W., Seattle, Wash., wishes to get in touch with San Francisco manufacturers with a view to representing them in the Washington and Oregon territory.

T. Miwa Co., 24 California St., San Francisco, is in the market for new or second-hand motion picture machines.

Leon E. Griset, Nogales, Ariz., would like to get in communication with San Francisco firms renting automobiles without drivers.

DAILY
PACIFIC BUILDER

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560 MISSION STREET SAN FRANCISCO, CAL.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2683	Disston	Owner	500
2684	Soares	Britt	900
2685	Fay	Martin	19000
2686	Micheli	Moreton	1000
2687	Mergenthaler	Nimmo	2000
2688	Hewitt	Owner	600
2689	Mohler	Owner	3500
2690	Neilan	Owner	700
2691	Waxman	Orchard	1400
2692	Firenze	Becker	700
2693	Security	Fink	6825
2694	Ramacciotti	Fontanelli	9691
2695	Del Pino	Owner	3000
2696	Wilkins	Ellingson	2600
2697	Judson	Arras	12000
2698	Marsicano	Martinelli	13000
2699	Remensperger	Ross	15000
2700	Ormsby	Moran	4000
2701	Nance	Owner	700
2702	Shepston	McIntosh	13500
2703	J. C. Corp	Mulcahy	9884
2704	Coppage	Furlong	3600
2705	Woolworth	Owner	6000
2706	Junos	Carusio	5000
2707	Hardy	Owner	9500
2708	Haviside	McCarthy	500
2709	Rieger	Owner	500
2710	Johnson	Diestel	4000
2711	Munez	Munez	2500
2712	Meyer	Milwain	800
2713	Sharon	Taylor	500
2714	Morris	Owner	5000
2715	Woodfield	Hjul	15000
2716	Allred	Owner	15000
2717	Lamb	Owner	500
2718	Geggus	Owner	9000
2719	Blumenthal	MacDonald	2500
2720	Nelson	Owner	8500
2721	Petersen	Britt	7000
2722	Hueter	Boxton	10000
2723	Bernhardt	Owner	1200
2724	Kahn	Barrett	800
2725	Caples	Scott	825
2726	Neecke	Neecke	700
2727	Musto	American	23872
2728	Humphrey	Owner	14000
2729	Joyce	Owner	12000
2730	McAuliffe	Martin	[illegible]
2731	Serensky	McHugh	2000
2732	Andrews	Gibbs	1400
2733	Ham	Owner	700
2734	Stosson	Hansen	6000
2735	Barrett	Owner	5000
2736	O'Donnell	McLeod	800
2737	Anderson	Owner	8000
2738	Schultz	Schultz	6000
2739	Carusio	Owner	4000
2740	Wright	Rowland	500
2741	City Rity	Cox	800
2742	Henderson	McKenzie	900
2743	Lundy	Ostlund	2686
2744	Countryman	Spargo	80
2745	Cohn	Cohn	5000
2746	Howard	Owner	4000
2747	Royal	Scanlan	132
2748	Earley	Salomon	500
2749	Ahlert	Marseau	2000
2750	Meyerfeld	Barrett	[illegible]
2751	Devine	Wheeler	4000
2752	Hughes	Hansen	12000
2753	McDonald	McDonald	1000
2754	Linehan	Owner	600
2755	St. Francis	Allen	14000
2756	Grillen	Farquharson	1400
2757	Fitzgerald	Owner	16000
2758	Holmgren	Owner	7000
2759	Johanson	Johanson	2000

PERMITS

ALTERATIONS

(2683) NO. 138 ANZA. General alterations and repairs for basement garage.
Owner—A. E. Disston, 122 4th Ave., San Francisco.
Architect—None.
Day's work. $500

ALTERATIONS

(2684) NE BUSH AND POLK. Remove concrete and replace with concrete floors; install doors; painting, etc., for store.
Owner—Frank Soares, 1553 Turk St., San Francisco.
Architect—None.
Contractor—O. W. Britt, 1257 Arguello Blvd., San Francisco. $900

WHOLESALE HOUSE

(2685) W FIRST 50 S Mission. Four-story and basement Class B wholesale house.
Owner—Luke Fay, Care Architects.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Wm. Martin, 180 Jessie St., San Francisco. $19,000

DWELLING

(2686) NO. 672 MOSCOW. Raise dwelling and add one room.
Owner—E. Micheli, Premises.
Architect—None.
Contractor—G. Moreton, — Madrid St., San Francisco. $1000

ALTERATIONS

(2687) NO. 638 SACRAMENTO ST. Install 12 metal frames and sash in brick wall for office and shop.
Owner—Mergenthaler Linotype Co., 638 Sacramento St., San Francisco.
Architect—None.
Contractor—George Nimmo, 634 Clay St., San Francisco. $2000

GARAGE

(2688) NO. 151 THIRTY-SECOND AV. One-story frame private garage.
Owner—Mr. Hewitt, Premises.
Architect—None.
Day's work. $600

RESIDENCE

(2689) E TWENTY-SECOND AVE 275 S Anza. One-story and basement frame residence.
Owner—T. E. Mohler, 593 21st Ave., San Francisco.
Architect—None.
Day's work. $3500

ALTERATIONS

(2690) NO. 2770 TWENTY-SECOND. Raise (2) flats 2'; concrete floor; terrazzo steps, etc.
Owner—R. Neilan, Premises.
Architect—None.
Day's work. $700

BAKE OVENS

(2691) NO. 1088 McALLISTER. Erect brick bake ovens in bakery.
Owner—L. Waxman, Premises.
Architect—None.
Contractor—S. Orchard, 270 Grand View Ave., San Francisco. $1400

FRAME STORE

(2692) NO. 3331 TWENTY-SECOND. One-story frame store.
Owner—D. Firenze, Premises.
Architect—None.
Contractor—H. A. Becker, 3444 22d St., San Francisco. $700

RECORDED

BANKING FIXTURES

(2693) NO. 2626 MISSION. Banking fixtures, furniture, etc.
Owner—Security Bank & Trust Co.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—Fink & Schindler Co., 226 13th St., San Francisco.
Filed Nov. 12, '21. Dated Nov. 3, '21.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $6825
Bond, $3412.50. Sureties, Fred Klass & M. H. Kirshen. Limit, Dec. 19, '21. Forfeit, $50. Plans and specifications filed.

STORE BLDG.

(2694) S CLEMENT 100 W Tenth Ave. S 50 W 25 S 50 W 30 N 100 E 50. All work except marble work for one-story and mezzanine frame store building.
Owner—H. F. Ramacciotti.
Supervising Architect — August G. Headman, Call Bldg., S. F.
Contractor — Fontanella & Teza, 1682 Eddy St., San Francisco.
Filed Nov. 12, '21. Dated Nov. 10, '21.
Frame up and ready for roof....$2300
Brown coated 2300
Completed and accepted..... 2375
Usual 35 days..... 2326
TOTAL COST, $9201
Bond, $4700. Sureties, Leonard N. Schwartz and Samuel Hamburger. Limit, Jan. 15, 1922. Forfeit, $15. Plans and specifications filed.
NOTE:—Permit reported Oct. 12, 1921 No 2649.

FRAME STORES

S PINE 87-6 E Jones. One-story and basement frame stores.
Owner—Mary Rocca, Care Architect.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor — J. Martinelli, 180 Jessie St San Francisco. $6000
NOTE:—Recorded contract reported Nov. 12, 1921, No. 2680.

RESTAURANT

(2695) SE BAY AND MASON. Two-story frame restaurant.
Owner—G. B. Del Pino, 400 Bay St., San Francisco.
Architect—L. Mastropasqua, 580 Washington St., San Francisco.
Day's work. $3000

REPAIRS

(2696) NE FOLSOM AND LANGTON. Restore damage done by fire to factory.
Owner—Harry H. Wilkins.
Architect — Albert Farr, 68 Post St., San Francisco.
Contractor—E. Ellingson, 180 Jessie St., San Francisco. $2600

FACTORY

(2697) S FOLSOM 75 W Fourth. One-story concrete basket factory.
Owner—Judson Mfg. Co., Atlas Bldg., San Francisco.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Adam Arras Co., 185 Stevenson St San Francisco $12,000

FLATS ETC

(2698) E GRANT AVE 87 S California. Three-story and basement brick (2) flats and store.
Owner—M Marsicano, 781 Green St., San Francisco.

Architect— P. F. De Martini, 946 Broadway, San Francisco.
Contractor—J. Martinelli, 180 Jessie St., San Francisco. $13,000

SALESROOM
(2699) NW GEARY AND SECOND Ave. One-story brick automobile salesroom.
Owner—Ulrich Remensperger, 310 California St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Day's work. $15,000

RESIDENCE
(2700) SE GENEVA AND MADRID. One-story and basement frame residence.
Owner—Duke Ormsby, 530 6th St., San Francisco.
Architect—None.
Contractor—Harry Moran, 778 10th Ave San Francisco. $4000

GARAGE
(2701) S GEARY 120 W 25th Ave. (rear). One-story concrete private garage.
Owner—E. A. Nance, 512 Falcon Ave., San Francisco.
Architect—None.
Day's work. $700

FLATS
(2702) E LARKIN 80 N Pacific. Two-story and basement frame (2) flats.
Owner—George G. Shepston, 430 Sansome St., San Francisco.
Architect—Ernest H. Hildebrand, 68 Post St., San Francisco.
Contractor — William McIntosh, 180 Jessie St., San Francisco. $13,500

REPAIRS
(2703) S MARKET 100 E Dolores. One-story brick repair shop.
Owner—The J. C. Corporation, 410 Natoma St., San Francisco.
Architect—None.
Contractor—Thos. F. Mulcahy, 180 Jessie St., San Francisco. $9884

RESIDENCE
(2704) N PORTOLA DRIVE 121 E Granville. One-story and basement frame residence.
Owner—C. L. Coppage, 251 Pine St., San Francisco.
Architect—None.
Contractor—T. F. L. Furlong, 61 Echo Ave., Oakland. $3600

ALTERATIONS
(2705) NO. 1620-22-24 POLK. General alterations and repairs to store.
Owner—F. W. Woolworth Co., 410 Rialto Bldg., San Francisco.
Architect—None.
Day's work. $6000

RESIDENCE
(2706) NE TWENTY-FIRST AVE & Anza. Two-story and basement frame residence.
Owner—John Junes, 508 15th Ave., San Francisco.
Architect—None.
Contractor—L. M. Carusio. $5000

FRAME FLATS
(2707) E TWENTY-FOURTH AVE 100 S Geary. Two-story and basement frame (2) flats.
Owner—A. M. Hardy, 6217 California St., San Francisco.
Plans by Owner.
Day's work. $9500

FOUNDATION, ETC.
(2708) NO. 100 TWENTY-SIXTH AVE. Concrete foundation; cement floor, minor additions to residence.
Owner—Harry Haviside, Premises.
Plans by Owner.
Contractor — John E. McCarthy, 1479 12th Ave., San Francisco. $500

FINISH BASEMENT
(2709) NO. 482 WALLER. Finish basement for (4) living rooms and bath.
Owner—R. Rieger, Premises.
Architect—None.
Day's work. $500

REPAIRS
(2710) NW BRANNAN AND ZOE. Repair fire damage to warehouse.
Owner—E. E. Johnson, 248 Russ Bldg., San Francisco.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco. $4000

DWELLING
(2711) N CHESTNUT 137 W Franklin. Two-story frame dwelling.
Owner—Clementina and Joseph Munez, 2952 Gough St., San Francisco.
Architect—None.
Contractor—J. Munez, 2952 Gough St., San Francisco. $2500

ALTERATIONS
(2712) NO. 782 ELEVENTH AVE. Minor alterations for residence. Carpentry, etc.
Owner—Bruce Meyer, Premises.
Architect—None.
Contractor — R. Milwain, 3931 Geary St., San Francisco. $800

ALTERATIONS
(2713) W FOURTH 125 N Bryant. Construct footing under north end of front wall and repair sidewalk.
Owner — Sharon Estate Co., Sharon Bldg., San Francisco.
Architect—None.
Contractor —Taylor & Goericke, 220 Sharon Bldg., San Francisco. $500

RESIDENCE
(2714) W TWELFTH AVE 175 N Fulton. Two-story and basement frame residence.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Day's work. $5000

STORE
(2715) SW HYDE AND O'FARRELL. One-story concrete store.
Owner—W. H. Woodfield Jr.
Engineer—J. H. Hjul, 850 Monadnock Bldg., San Francisco.
Contractor—J. H. Hjul, 850 Monadnock Bldg., San Francisco. $15,000

RESIDENCES
(2716) S CASTENADA 68 W Montalve and SW corner. Three two-story and basement frame residences.
Owner—C. S. Allred, 150 Liberty St., San Francisco.
Architect—None.
Day's work. $5000 each

ALTERATIONS
(2717) NO. 1279 EDDY. Marble steps, construct closet in kitchen and erect private garage in rear of residence.
Owner—Al. Laib, Premises.
Architect—None.
Day's work. $500

FRAME FLATS
(2718) N FILBERT 175 E Polk. Two-story and basement frame (4) flats.
Owner—M. Geggus.
Architect —Walter C. Falch, Hearst Bldg., San Francisco.
Day's work. $9000

ALTERATIONS
(2719) NW MONTGOMERY & SUTTER. Alter second story for office; terra cotta and tile partitions, etc.
Owner—A. C. Blumenthal & Co., Holbrook Bldg., San Francisco.
Architect — Weeks & Day, 933 Phelan Bldg., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco. $2500

APARTMENTS
(2720) SW PORTAL AVE. & ULLOA. One-story frame store and two living rooms.
Owner—Fernando Nelson & Sons, 2 West Portal Ave., San Francisco.
Architect—None.
Day's work. $8500

SHOP
(2721) W SIXTH 60 N Harrison. One-story concrete shop.
Owner—G. Peterson, 730 Larkin St., San Francisco.
Architect—None.
Contractor—O. W. Britt, 1257 Arguello Blvd., San Francisco. $7000

DWELLINGS
(2722) E SAN LEANDRO WAY 50 and 95 N Darien Way. Two one-story and basement frame dwellings.
Owner—O. M. Hueter, 805 Flatiron Bldg., San Francisco.
Architect—Harold G. Stoner, 61 New Montgomery St., San Francisco.
Contractor—Boxton & Zwieg, 809 Flatiron Bldg., S. F. $5000 each

ADDITION
(2723) NO. 4440 TWENTIETH ST. Addition of 4 rooms to residence.
Owner—A. Bernhardt, Premises.
Plans by Owner.
Day's work. $1200

ALTERATIONS
(2724) NO. 3501 CLAY. Alter residence.
Owner—Julius Kahn, Premises.
Arcihtect — Sam Lightner Hyman, 8[illegible] Post St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $80[illegible]

ALTERATIONS
(2725) NO. 1297 SIXTH AVE. Remode[illegible] stairs and alter for private garag[illegible]
Owner—J. W. Caples, Premises.
Architect—None.
Contracvtor—F. H. Scott, 1511 Elli[illegible] St., San Francisco. $82[illegible]

ALTERATIONS
(2726) NO. 23 WOOL ST. Concret[illegible] foundation; alter for living room in residence.
Owner—Paul Neecke Jr., Premises.
Plans by Owner.
Contractor—P. Neecke, Premises. $70[illegible]

RECORDED

GARAGE
(2727) S POST 90 E Taylor E 47-6x 75. All work for two-story a[illegible] basement reinforced concrete g[illegible] rage building.
Owner—Marie Adam Musto.
Architect—Frederick H. Meyer, Ban[illegible] ers' Investment Bldg., S. F.
Contractor—J. Pasqualetti (as T[illegible] American Concrete Co.), Humbol[illegible] Bank Bldg., San Francisco.
Filed Nov. 15, '21. Dated Nov. 14, '2[illegible]
On 1st of each month..... [illegible]
Usual 35 days..... [illegible]
TOTAL COST, $23,8[illegible]
Bond. $11,936. Surety. Maryland Cas[illegible] alty Co. Limit. 4 months. Forfe[illegible] none. Plans and specifications filed.

APARTMENTS
(2728) SE ASHBURY AND CLIFFO[illegible] Two-story and basement frame apartments.
Owner—W. H. Humphrey, 1279 [illegible] Ave., San Francisco.
Architectural Eng.—Thomas Br[illegible] Russ Bldg., San Francisco.
Day's work. $14,[illegible]

FRAME FLATS
(2729) SE BALBOA AND TWENT[illegible] second Ave. Two-story and ba[illegible]

ment frame (3) flats and stores.
Owner—P. Joyce, 277 16th Ave., S. F.
Architect—Thos. M. Jones (Non-Certified), 3767 Army St., S. F.
Day's work. $12,000

ADDITION
(2730) NO. 2661 CLAY. Add bath room and closet for two flats.
Owner—Miss McAuliffe, 2661 Clay St., San Francisco.
Architect—None.
Contractor—Wm. Martin, 180 Jessie St., San Francisco. $700

OIL STATION
(2731) NW DIVISADERO AND GROVE One-story concrete oil station.
Owner—David Serensky, 1765 Page St., San Francisco.
Architect—None.
Contractor—Owen McHugh, 305 Russ Bldg., San Francisco. $2000

GARAGE
(2732) S FILBERT 155 W Franklin. One-story frame private garage.
Owner—Catherine E. Andrews and Emma Williamson, 2116 Fillmore St., San Francisco.
Architect—None.
Contractor—Gibbs & Carson, 2116 Fillmore St., San Francisco. $1400

APARTMENTS
(2733) W JONES 100 N Bush. Five-story and basement concrete Class C (31) apartments.
Owner—L. B. Ham, 105 Montgomery St., San Francisco.
Architect—A. Merrill Bowser, Hearst Bldg., San Francisco.
Day's work. $70,000

RESIDENCE
(2734) W SANTA CLARA 60 E San Anselmo. Two-story and basement frame residence.
Owner—F. M. Slosson, 212 Mills Bldg., San Francisco.
Architect—Morrow & Garren, 1605 Chronicle Bldg., San Francisco.
Contractor—P. Hansen, 2050 Union St., San Francisco. $6000

FRAME FLATS
(2735) E TWENTY-FIRST AVE 250 N Geary. Two-story and basement frame (2) flats.
Owner — Joe Barrett, 627 23rd Ave., San Francisco.
Architect—None.
Day's work. $5000

ALTERATIONS
(2736) NO. 4130 TWENTY-FIFTH ST. Underpinning; concrete foundations and floors; new stairs, etc., for dwelling.
Owner—Mr. O'Donnell, 4130 25th St., San Francisco.
Architect—None.
Contractor—R. J. McLeod, 1226 12th Ave., S. F. $800

FRAME FLATS
(2737) E TWENTY-SECOND AVE 150 S Anza. Two-story and basement frame (2) flats.
Owner—A. V. Anderson, 595 21st Ave., San Francisco.
Architect—None.
Day's work. Cost, $8000

RESIDENCE
(2738) N VASQUES 33 W Garcia (Lot 3 Blk 29, Forest Hill Extension). Two-story frame residence.
Owner—Niels Schultz, 46 Kearny St., San Francisco.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco. $6000

RESIDENCE
(2739) S BALBOA 77-6 E 16th Ave One-story and basement frame residence.
Owner—L. M. Carusio Co., 2348 Clement St., San Francisco
Architect—None.
Day's work. $4000

ALTERATIONS
(2740) NO. 314 EDINBURGH. Underpin one-story frame building and alter for garage in basement; concrete foundation and cement floor.
Owner—M. Wright, 314 Edinburgh St. San Francisco
Architect—None.
Contractor—T. J. Rowland, 429 Brazil Ave., Oakland. $500

RESIDENCES
(2741) W FOURTH AVE 150 and 175 N Kirkham. Two two-story and basement frame residences.
Owner—City Realty Co., 46 Kearny St., San Francisco.
Plans by Owner.
Contractor—Cox Bros., 1375 9th Ave., San Francisco. $4000 each

FRAME FLATS
(2742) E LARKIN 112 N Pacific. Two story and basement frame (2) flats.
Owner—Miss Kitty Henderson and Miss Bessie Hendersen, 430 Sansome St., San Francisco.
Architect—Ernest H. Hildebrand, 68 Post St., San Francisco.
Contractor—K. H. McKenzie, 1025 Anza St., San Francisco. $9000

ALTERATIONS
(2743) NO. 718 MARKET. Remove present and install new show windows (Kawneer construction).
Owner—Thos. Lundy & Lasky's, 718 Market St., San Francisco.
Plans by Contractor.
Contractor—Ostlund & Johnson, 1901 Bryant St., San Francisco. $2686

ALTERATIONS
(2744) NO. 1707 OCTAVIA. Concrete floor and wall; wooden fence, etc., alter for private garage.
Owner—Jennie A. Countryman, Prem.
Architect—None.
Contractor—John Spargo, 240 Montgomery St., and Bovyer & Sons, 2407 California St., San Francisco. $800

ALTERATIONS
(2745) S SACRAMENTO 200, 225, 250, 275 and 300 E Arguello Blvd. General alterations and repairs to residences.
Owner—A. Cohn, 535 Bryant St., S. F.
Architect —H. Sawyer, Hearst Bldg., San Francisco.
Contractor—Cohn & Nordstrom, 110 Sutter St., San Francisco. $1000 for each bldg.

RESIDENCE
(2746) E TWENTY-FIFTH AVE 64-6 S Balboa. One-story and basement frame residence.
Owner—Joseph Howard, 444 14th St., San Francisco.
Architect—None.
Day's work. $4000

ADDITION
(2747) S TWENTY-SIXTH 140 W Dolores. Addition of 3 rooms to residence; rearrange kitchen for bedroom; change stairs, etc., for flats.
Owner—Geo. Royal, 3821 26th St., San Francisco.
Architect—None.
Contractor—D. & M. C. Scanlan, 1320 Valencia St., S. F. $1335

REPAIRS
(2748) NO. 1250 TAYLOR. Repair fire damage to apartments.
Owner—Mrs. Earley, Care R. A. Wilson, 219 Montgomery St., S. F.
Architect—None.
Contractor—L. Salomon, 1430 Ellis St., San Francisco. $2500

GARAGE
S. POST 90 E. Taylor. Two-story and basement reinforced concrete public garage.
Owner—Marie Adam Musto, care Architect.
Architect—Meyer & Johnson, No. 742 Market St.
Contractor—American Concrete Co., Humboldt Bank Bldg. $24,000
NOTE:—Recorded contract reported Nov. 16, 1921, No. 2727.

RECORDED

(2749) E. 10TH AVE. 150 N. Cabrillo N. 25 x 120. Two-story flat bldg.
Owner—Anne W. Ahlert and Frances M. Brady.
Architect — Gustave Stahlberg, 1544 Market St.
Contractor—Edw. E. Manseau, 1278 35th Ave.
Filed Nov. 16, '21. Dated Nov. 15, '21.
Frame up $2450
Brown coated 2450
Completed and accepted 2450
Usual 35 days 2450
TOTAL COST, $9800
Bond, sureties, none; forfeit, $5 day; limit, 90 days. Plans and specifications filed.

ADD ONE STORY
(2750) NW SUTTER AND POWELL N. 112-6 x W 77-6. Additional story to be added to Physicians Bldg.
Owner—Morris Meyerfeld Jr., Mills Bldg.
Architect—Frederick H. Meyer, Bankers' Inv. Bldg.
Contractor—Barrett & Hilp, 918 Harrison St.
NOTE:—Permit reported Nov. 12, 1921, No. 2659.
Filed Nov. 16, '21. Dated Nov. 14, '21.
Contractor to receive cost of material and labor not to exceed $49,500 plus $3900.
Payments of 90% of work done by contractor and 75% done by subcontractors on before 10th of each month.
Balance, 35 days after.
TOTAL COST, $.——
Bond, $53,500; sureties, Albert Lachman and Jas. T. Casey; forfeit, none; limit, 120 days. Plans and specifications filed.

DWELLING
(2751) E COLERIDGE 281 S Coso. One and one-half-story and basement frame dwelling.
Owner—John Devine, 61 Coleridge St., San Francisco.
Architect—None.
Contractor—E. Wiander, 41 Coleridge St., San Francisco. $4000

RESIDENCE
(2752) NE MERCED & HERNANDEZ. Two-story and basement frame residence.
Owner—W. J. Hughes, 65 Merced Ave., San Francisco.
Architect—C. E. Gottschalk, 958 Phelan Bldg., San Francisco.
Contractor—H. J. Hansen, 180 Jessie St., San Francisco. $12,000

DWELLINGS
(2753) S MISSION 59 and 73 E Italy. Two one-story and basement frame dwellings.
Owner—P. M. and R. M. McDonald, 1049 Treat Ave., San Francisco.
Architect—None.
Contractor—P. M. McDonald, 1049 Treat Ave., San Francisco. $2600 each

FRAME FLATS
(2754) W NINETEENTH AVE 55 S Balboa. Two-story and basement frame (2) flats.
Owner—James E. Linehan, 4348 18th St., San Francisco.
Architect—None.
Day's work. $6500

RESIDENCES

(2755) N TERRACE DRIVE 69 and 109 E Portola Drive. Two two-story and basement frame residences.
Owner—St. Francis Home Building Co., 278 Post St., San Francisco.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
Contractor — Allen & Co., 168 Sutter St., San Francisco. $7000 each

GARAGE

(2756) NO. 1914 CLAY. Construct concrete private garage.
Owner—A. J. Griffen, Robt. Dollar Bldg., San Francisco.
Architect—None.
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco. $1400

FLATS

(2757) W FIFTEENTH AVE 150 S Balboa. Two two-story and basement frame (2 in each) flats.
Owner—Otto M. Fitzgerald, 617 15th Ave., San Francisco.
Architect—None.
Day's work. $16,000

FLATS

(2758) E FIFTEENTH AVE 74 N Cabrillo. One-story and basement frame (2) flats.
Owner—Karl H. Holmgren, 1212 8th Ave., San Francisco.
Architect—None.
Day's work. $7000

ALTERATIONS

(2759) W HOWARD 40 N 21st. Ten-room residence to be altered for two 5-room flats.
Owner — E. Johanson, 328 Mississippi St., San Francisco.
Architect & Contractor—E. Johnanson 328 Mississippi St., San Francisco. $2000

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Nov. 17, 1921—W EIGHTEENTH AV 150 N Fulton N 25xW 120. Robert N Weiss to whom it may concern .....Nov. 10, 1921

Nov. 17, 1921—SE CABRILLO AND Sixteenth Ave S 25xE 77-6. Jos C Kirby to whom it may concern... .....Nov. 17, 1921

Nov. 17, 1921—W ASHBURY 100 S Grove. W L Hemminga to whom it may concern.....Nov. 15, 1921

Nov. 17, 1921—NW TWENTIETH & Mission 12 on Mission and 60 on 20th. H Bercovich Cigar Co to Home Mfg Co.....Nov. 17, 1921

Nov. 17, 1921—SE CLEMENT AND Seventh Ave. Jos Varsi to S F Del Porto.....Oct. 31, 1921

Nov. 16, 1921—NW GEARY AND Mason. St. Francis Realty Co to Geo A Bos.....Nov. 10, 1921

Nov. 16, 1921—W FIFTEENTH AVE 125 S Lake. Albert Korn to J Prout.....Nov. 15, 1921

Nov. 16, 1921—E TWENTY-FIRST Ave 133-4 S Taraval S 33-4x120. Parkside Realty Co to whom it may concern .....Nov. 16, 1921

Nov. 16, 1921—N FULTON BET PARker Ave and Cole 50 E St. Ignatius Church and 85 N curb line. Bertha L. Welch to W. C. Duncan Co. .....Sept. 15, 1921

Nov. 15, 1921—LOT 7 BLK 3, St. Francis Wood. Homes Loan Corp to whom it may concern.Nov. 4, 1921

Nov. 15, 1921—E FORTY-FIRST AVE 150 S Lincoln Way S 25xE 120. Thomas and Elizabeth MacMullen to C Wengard.....Nov. 15, 1921

Nov. 15, 1921—E THIRD AVE 56 S Clement 44x32-6. Bertha Bloom to S Steinaur.....Nov. 7, 1921

Nov. 15, 1921—S HOWARD 237-6 E Fourth E 50xS 85. Frank Kinslow to T L Sharman.....Nov. 15, 1921

Nov. 15, 1921—E TENTH AVE 300 S Noriega; E Tenth Ave 275 S Noriega. David Strauss to whom it may concern.....Nov. 14, 1921

Nov. 15, 1921—SECOND bet. Harrison and Folsom. Southern Pacific Co to Raisch Improvement Co..... .....Nov. 15, 1921

Nov. 15, 1921—SE MINNA 75 NE 4th SE 70 NE 7-6 SE 80 NE 35 NW 80 NE 7-6 NW 70 SW 50. Thomas McDougall to Monson Bros..... .....Nov. 14, 1921

Nov. 14, 1921—NW CLAY AND Webster. The Board of Trustees of the Leland Stanford Jr. University to Peter Bradley.....Nov. 5, 1921

Nov. 14, 1921—E TWENTIETH AVE 150 S Balboa S 25xE 120. Bryan Feerick to whom it may concern.. .....Nov. 14, 1921

Nov. 14, 1921—LOT 175 S Balboa on E line 20th Ave S 25xE 120. Bryan Feerick to whom it may concern .....Nov. 14, 1921

Nov. 14, 1921—E TWENTY-SIXTH Ave 126 S West Clay S 26-8xE 120. John and Margaret McVeigh to W L Hemminga.....Nov. 12, 1921

Nov. 14, 1921—N IVY AVE 85 W Laguna 25x50; S Grove 85 W Laguna 25x70. C Filippis to whom it may concern.....Nov. 12, 1921

Nov. 14, 1921—N FULTON 95 WEST 9th Ave 25x100. Tony Domico to whom it may concern..Nov. 14, 1921

Nov. 14, 1921—NE 4TH AVE & IRving N 35 x E 94-10. A. H. Cohen to Scott & Co.....Nov. 14, 1921

Nov. 14, 1921—NE 4TH AVE & IRving N 35 x E 94-10. A. H. Cohen and Gertrude M. Cohen to Frank J. Klimm, H. Maundrell & Co., E. J. Montgomery .....Nov. 14, 1921

Nov. 14, 1921—E 26TH AVE 135-11 S Balboa S 25 x E 90. Elmer Drees to Theodore G. and Rollin E. Meyer .....Nov. 9, 1921

Nov. 14, 1921—N FULTON 82-6 W 22nd Ave W 50 x N 100. Clarence P. Thompson to Theodore G. and Rollin E. Meyer.....Nov. 9, 1921

Nov. 14, 1921—W 18TH AVE 125 N Anza; W 18th Ave 100 N Anza; W 18th Ave 150 N. Anza. D. J. Dolan to whom it may concern.... .....Nov. 12, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Nov. 16, 1921—E BAKER 55 S TURK S 27-6 x W 110. C L Harrell vs Mary A Feaheny.....$332.41

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Nov. 16, 1921—S CLAY 167-6 W Laguna W 30xS 30-8¼. W P Fuller & Co vs Esther J Mitchell.....$284

Nov. 14, 1921—S CALIFORNIA 117-6 W Leavenworth W 20 S 97-6 E 60 N 40 W 40 N 57-6. M T Maynard to Isaac H Goldmeyer & E M Rinckel $83.74

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Nov. 16, 1921—SE KEARNY & SACramento S 82 x E 62-6. M. J. Mertens and A. S. Savage as to improvements on property.....

Nov. 14, 1921—LOT 17 HALEY'S MAP, pt lots 319 to 335. S. Ducas Co., as to improvements on property .....

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
3996	Stevenson	Stewart	4800
3997	Parker	Owner	3000
3998	Edwards	Rutherford	4000
3999	Price	Owner	500
4000	Ramis	Parker	3000
4001	Nelson	Owner	830
4002	Thompson	Owner	4800
4003	Berkeley Bank	Engler	3450
4004	Marquis	Oner	3500
4005	Berkeley Bank	Engler	3300
4006	Poeton	Place	500
4007	Bredlow	Long	1000
4008	Jagger	Doyle	4350
4009	Young	Owner	2000
4010	Debon	Owner	400
4011	Dustin	Owner	1000
4012	Graham	Owner	2500
4013	Rettigliata	Cisero	1000
4014	Taylor	Mac Millar	800
4015	Henshaw	Jackson	400
4016	Norris	Norris	4500
4017	Lyons	Cahill	500
4018	Wilkinson	Owner	550
4019	Samuels	Kennedy	1000
4020	Oakland	Kennedy	1000
4021	Petersen	Knudson	450
4022	Orvis	Peters	7237
4023	Singh	Owner	400
4024	Gimas	Starr	3000
4025	Parnay	Owner	500
4026	Clymer	Thaxter	1000
4027	Sackett	Weymouth	4000
4028	Gorrel	Wright	2000
4029	Neay	Venn	2000
4030	Bernier	Bernier	700
4031	Manasse	Starr	1800
4032	Pollard	Owner	4000
4033	Crowley	Cederborg	800
4034	Alexander	Owner	4500
4035	Steffens	Steffens	3300
4036	Fish	Woodard	600
4037	Okd. City of	Schnebly	816
4038	Mead	Owner	500
4039	Stevenson	Shrader	3000
4040	Harney	Spearin	7464
4041	Manchester	Owner	800
4042	Ryan	Sommarstrom	2000
4043	Bertram	Eastman	3000
4044	Borne	Young	400
4045	Brocket	Barr	900
4046	Brown	McCoy	4750
4047	Yolland	Harrison	4850
4048	Barnum	Owner	2000
4049	Rose	Owner	4500
4050	Abraham	Diggs	4000
4051	P G & E	Owner	32000
4052	Wood	California	5000
4053	Garland	Camponenosi	6000
4054	Larsen	Clausen	9600
4055	Larsen	Clausen	4800
4056	Henry	Hildebrand	9700
4057	Boardman	Berkeley	1745
4058	Same	Fuller	3065
4059	Same	Rigney	2760
4060	Same	Annis	1230
4061	Same	Makin	2825
4062	Same	Conner	8200
4063	Same	Thamsen	2300
4064	Baby Hsptl.	Maurice	1300
4065	Wilson	Owner	450
4066	Clecak	Walker	800
4067	Hill	Owner	500
4068	Guyott	Hendricks	400
4069	Brown	Owner	1495
4070	Holm	Owner	4000
4071	Steiger	Owner	500
4072	Whitton	Dawson	11000
4073	Monroe	Owner	4000
4074	Kinney	Scott	11000
4075	Nichols	Owner	4800
4076	Harris	Marshall	2000
4077	Giannotti	Brown	415
4078	Christensen	Owner	2000
4079	Elgaten	Irish	416
4080	Hull	Anderson	2715
4081	Fuller	Kidder	500
4082	Osborn	Owner	4000
4083	Halleen	Maasberg	4150
4084	Horwinshi	Vaughn	27584
4085	Same	Wetenhall	8849
4086	Butler	Lingren	1056

No.	Owner	Contractor	Amt.
4087	Scrivani	McIntosh	13800
4088	Western	Eastern	835

PERMITS

DWELLING
(3996) S ARIMO AVE. 400 E Lakeshore, Oakland. One-story 6-room dwelling.
Owner—E. V. Stevenson.
Architect—None.
Contractor—B. A. Stewart, 437 Perkins St., Oakland. $4800

DWELLING
(3997) SW COR. E. 24TH ST & 17TH Ave., Oakland. One-story 5-room dwelling.
Owner—Joseph Parker.
Architect—None.
Day's work. $3000

FACTORY BLDG.
(3998) W MYRTLE ST 175 N 30th St., Oakland. One-story factory bldg.
Owner—Mrs. H. Edwards, 917 35th St., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Thos. Rutherford, 985 35th St., Oakland. $4000

ADDITION
(3999) 2938 MINNA AVE., Oakland. Addition.
Owner—F. M. Price.
Architect—None.
Day's work. $500

DWELLING
(4000) W SHEFFIELD AVE. 200 S. Hopkins, Oakland. One-story 5-room dwelling.
Owner—Hulda Ramis, 709 Derby St., Oakland.
Architect—None.
Contractor—Jos. Parker, 944 E. 14th St., Oakland. $3000

STORE & GARAGE
(4001) SW COR. 38TH AND BROADway, Oakland. One-story store and garage.
Owner — Nels Nelson, 3918 Lusk St., Oakland.
Architect—None.
Contractor—Nels Nelson, 3918 Lusk St., Oakland. $830

ALT. & ADDITION
(4002) 2053 WEBSTER ST., Oakland. Alterations and addition.
Owner—J. Goodwin Thompson, Neilbye Bldg., Oakland.
Architect—None.
Day's work. $4800

DWELLING
(4003) NW ACTON AND ALLSTON Way, Berkeley. One-story 5-room dwelling.
Owner—Berkeley Bank of Savings & Trust Co.
Architect—None.
Contractor—Louis Engler. $3450

DWELLING
(4004) W ALAMEDA 500 N Marin, Berkeley. One-story 5-room dwelling
Owner—P. E. Marquis, 1023 Oxford St., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(4005) N ALLSTON WAY 50 E Acton, Berkeley. One-story 5-room dwlg.
Owner — Berkeley Bank of Savings & Trust Co.
Architect—None.
Contractor—Louis Engler $3300

GARAGE
(4006) NO. 722 ARLINGTON AVE., Berkeley. Garage.
Owner—L. Poeton, Premises.
Architect—None
Contractor—Niles W. Place & Co. 310 Fairmount St., Oakland. $500

ADDITION
(4007) NO. 2012 CENTER ST., Berkeley. Addition.
Owner—H. Bredlow, Premises.
Architect—None.
Contractor—Roy O Long Co., 2111 Snattuck Ave., Berkeley. $1000

DWELLING
(4008) W SACRAMENTO 135 S Virginia St., Berkeley. One-story 5-room dwelling.
Owner—F. M. Jagger, P. O. Box 84, Berkeley.
Architect—None
Contractor—C. A. Doyle, P. O. Box 84, Berkeley. $4350

DWELLING
(4009) NO. 1464 SAN PABLO AVE., Berkeley. One-story 5-room dwlg.
Owner—W. S. Young, 533 63rd St., Oakland.
Architect—None.
Day's work. $2000

ADDITION
(4010) NO. 1425 WALNUT ST., Berkeley. Addition.
Owner—L. D. Denbon, Premises.
Architect—None.
Day's work. $400

FACTORY
(4011) W ADELINE ST 100 N S P R R, Oakland. One-story factory.
Owner—Edw. Dustin, 1727 Berkeley Ave., Berkeley.
Architect—None.
Day's work. $1000

DWELLING
(4012) N E-16TH ST 85 E High St., Oakland. One-story 5-room dwelling.
Owner—C. H. Graham, 4228 E. 16th St., Oakland.
Architect—None.
Day's work. $2500

ALT. & ADD.
(4013) 847 43RD ST., Oakland. Alterations and addition.
Owner—C. Rettigliata.
Architect—None.
Contractor—Cisero & Raineri, 458 42nd St., Oakland. $1000

ALTERATIONS
(4014) 588 15TH ST., Oakland. Alterations.
Owner—Jas. Taylor Co.
Architect—None.
Contractor—D. C. MacMillan, 604 28th St., Oakland. $800

LIGHT REPAIRS
(4015) SE COR. 14TH & BROADWAY, Oakland. Sidewalk light repairs.
Owner—W. G. Henshaw.
Architect—None.
Contractor—P. H. Jackson Co., 237 1st St., San Francisco. $400

DWELLING
(4016) W. HADDON ROAD N. Excelsior, Oakland. One-story 6-room dwelling.
Owner—Norris & Parker, 423 Hill Lane, Oakland.
Architect—None.
Contractor—Ralph E. Norris. $4500

ADDITION
(4017) 4444 HILLEGASS AVE., Oakland. Addition.
Owner—Mary E. Lyons.
Architect—None.
Contractor—Cahill & Vensano, Builders' Exchange, Oakland. $500

DWELLING
(4018) E. 102ND AVE. 75 N. Birch St., Oakland. One-story 3-room dwelling
Owner—E. Wilkinson 2118 102nd Ave., Oakland
Architect—None.
Day's work. $550

ALTERATION
(4019) SW COR. 12TH AND BROADway, Oakland. Alterations.
Owner—Samuels' Smoke House.
Architect—None.
Contractor—F. T. Kennedy. $1000

ALTERATIONS
(4020) 433 12TH ST., Oakland. Alterations.
Owner—Oakland Candy Company.
Architect—None.
Contractor—F. T. Kennedy, 434 9th St., Oakland. $1000

GARAGE
(4021) 4105 WEBSTER ST., Oakland. Garage.
Owner—P. H. Peterson, Premises.
Architect—None.
Contractor—Fred Knudsen, 1209 Lincoln Ave., Alameda. $450

RECORDED

MARKET BLDG.
(4022) NW COR. 22ND ST AND SAN Pablo Ave., Oakland. Frame market.
Owner—C. B. Orvis, Stockton.
Architect—East Bay Planners, 306 14th St., Oakland.
Contractor—Peters & Hodgins.
Filed Nov. 14, '21. Dated Nov. 10, '21.
Frame up ..... ¼
Passed by building inspector,..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $7237
Bond, sureties, forfeit, none; limit, 30 days. Plans and specications filed.

REPAIRS
(4023) NO. 1731 ALLSTON WAY, Berkeley. Repairs.
Owner—Dalip Singh.
Architect—None.
Day's work. $400

DWELLING
(4024) NO. 1627 CHANNING WAY, Berkeley. One-story 5-room dwlg.
Owner—Mrs. Freda Gimas, 2118 Grant St., Berkeley.
Architect—None.
Contractor—C. M. Starr, 2019 Delaware St., Berkeley. $3000

GARAGE
(4025) NO. 2310 CHANNING WAY, Berkeley. Garage.
Owner—M. Y. Parnay, Premises.
Architect—None.
Day's work. $500

GARAGE
(4026) NO. 840 CONTRA COSTA AVE., Berkeley. Garage.
Owner—J. L. Clymer, Premises.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $1000

DWELLING
(4027) SE DELAWARE AND SHORT Berkeley. One-story 5-room dwlg.
Owner — Mrs. Geo. L. Sackett, Broadway Apartments, Oakland.
Architect—None.
Contractor—E. A. Weymouth, 5527 McMillan Ave., Oakland. $4000

REPAIRS
(4028) NO. 2727 DWIGHT WAY, Berkeley. Fire repairs.
Owner—Mrs. Gorrel, Premises.
Architect—None.
Contractor—Curtis Wright, 3435 Haste St., Berkeley. $2000

DWELLING
(4029) E EDWARDS 215 S Bancroft, Berkeley. One-story 4-room dwlg.
Owner—Wm. F. Neary, 1641 Telegraph Ave., Oakland

Architect—None.
Contractor—E. C. Venn, 419 12th St., Oakland. $2000

DWELLING
(4030) NO. 2543 PIEDMONT AVE., Berkeley. One-story 2-room dwlg.
Owner—Mrs. C. C. Bernier, Premises.
Architect—None.
Contractor—J. F. Bernier, Premises. $700

ALTERATIONS
(4031) NO. 2738 REGENT ST., Berkeley. Alterations and additions.
Owner—August Manasse, Premises.
Architect—None.
Contractor—C. M. Starr, 2019 Delaware St., Berkeley. $1800

DWELLING
(4032) NO. 817 SAN LUIS ROAD, Berkeley. One-story 6-room dwlg.
Owner—A. J. Pollard, 77 Plaza Drive, Berkeley.
Architect—None.
Day's work. $4000

ADDITION
(4033) NO. 839 SAN MATEO ROAD, Berkeley. Addition.
Owner—Mrs. F. P. Crowley, Premises.
Architect—None.
Contractor—A. Cederborg, 1445 E-37th St., Oakland. $800

DWELLING
(4034) NO. 826 SHATTUCK AVE., Berkeley. One-story 6-room dwlg.
Owner—J. F. Alexander, 2524 Virginia St., Berkeley.
Architect—None.
Day's work. $4500

DWELLING
(4035) W. CROSBY AVE. 150 No. Foothill Blvd., Oakland. One-story 6-room 2-family dwelling.
Owner—S. T. Steffins, 1941 Crosby, Oakland.
Architect—None.
Contractor—G. Steffens. $3300

GARAGE
(4036) 3740 EMERSON, Oakland. One-story garage.
Owner—S. L. Fish.
Architect—None.
Contractor—E. W. Woodard, 535 Merritt Ave., Oakland. $600

REPAIRS
(4037) 8TH AND CAMPBELL STS., Oakland. Repairs to fire house.
Owner—City of Oakland.
Architect—None.
Contractor—Schnebly & Hawstrawser, 6th and Jackson, Oakland. $816

DWELLING
(4038) S. FOREST HILL AVE. 350 E. Whittla, Oakland. One-story 2-room dwelling.
Owner—R. O. Mead, 594 12th St., Oakland.
Architect—None.
Day's work. $500

REPAIRS, ETC.
(4039) 73-77 HAMILTON PL., Oakland. Repairs and alterations.
Owner—Robt. Stevenson.
Architect—None.
Contractor—F. W. Shrader, 520 16th, Oakland. $3000

DWELLING
(4040) W. HILLEGASS 420 No. Alcatraz, Oakland. Two-story 8-room dwelling.
Owner—Mrs. O. M. Harney, Peralta Apts., Oakland.
Architect—None.
Contractor—Spearin & Larsen, 339 63rd St., Oakland. $7464

DWELLING
(4041) N. NEW AVE. 200 E. 77th Ave., Oakland. One-story 3-room dwelling.
Owner—H. D. Manchester, 1441 61st Ave., Oakland.
Architect—None.
Day's work. $800

ALTERATIONS
(4042) 5621 OCEAN VIEW DR., Oakland. Alterations.
Owner—W. H. Ryan, Premises.
Architect—None.
Contractor — Alex Sommarstrom. $2000

DWELLING
(4043) E. 107TH AVE. 260 S. Bancroft, Oakland. One-story 5-room dwelling.
Owner—J. Bertram, 1615 2nd Ave., Oakland.
Architect—None.
Contractor—A. B. Eastman, 304 E-16th, Oakland. $3000

ADDITION
(4044) 525 63rd St., Oakland. Addition.
Owner—John Borne, Premises.
Architect—None.
Contractor—W. S. Young, 533 63rd St., Oakland. $400

ALTERATIONS
(4045) NE COR. 10TH AND CLAY Sts., Oakland. Alterations.
Owner—B. Brocket, Premises.
Architect—None.
Contractor—Barr & Son, 52 Vernon St., Oakland. $900

MARKET
NW COR. 22ND ST. AND SAN PABLO, Oakland. One-story market.
Owner—C. B. Orris, Stockton, Cal.
Architect—None.
Contractor — Peters & Hodgins, 184 Ridgeway Ave., Oakland. $7000
NOTE:—Contract reported Nov. 15, No. 4022.

DWELLING
(4046) ROSE AVE., Piedmont. Two-story frame dwelling.
Owner—F. E. Brown, 970 Rose Ave., Piedmont.
Architect—None.
Contractor—McCoy & Pack. $4750

DWELLING
(4047) WILDWOOD AVE., Piedmont. Two and one-half-story frame dwelling.
Owner—Mrs. C. Yolland.
Architect—None.
Contractor—Hans A. Harrison. $4850

DWELLING
(4048) E. SACRAMENTO 421 S. Addison, Berkeley. One-story 5-room dwelling.
Owner—C. S. Barnum, 2312-B Prince St., Berkeley.
Architect—None.
Day's work. $2000

DWELLING
(4049) 940 OXFORD ST., Berkeley. One-story 5-room dwelling.
Owner—M. P. Rose, 1645 Stuart St., Berkeley.
Architect—None.
Day's work. $4500

ALTERATIONS
(4050) 1722 WALNUT ST., Berkeley. Altering dwelling to apartments.
Owner—Hilda Abraham, Premises.
Architect—None.
Contractor—M. I. Diggs, Easton Bldg., Oakland. $4000

SUB STATION
(4051) W END LAKE TEMESCAL, Oakland. One-story concrete substation.
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—Eng. Dept. of Owner.
Day's work. $32,000

DWELLING
(4052) W PLEASANT VALLEY CT. 200 N Pleasant Valley Ave., Oakland. One-story 6-room dwelling.
Owner—J. R. Wood, 1534 Franklin St., Oakland.
Architect—None.
Contractor — California Builders Co., 1534 Franklin St., Oakland. $5000

BUNGALOWS
(4053) N TWENTIETH 150 W 5th Ave., Oakland. Three one-story 3-room frame bungalows.
Owner—Mrs. A. Garland.
Architect—None.
Contractor — E. Campomenosi, 5238 Lawton Ave., Oakland. $2000 each

DWELLINGS
(4054) W THIRTIETH AVE 125 and 165 S E-14th, Oakland. Two one-story 5-room dwellings.
Owner—R. K. Larsen, 2830 E-14th St., Oakland.
Architect—None.
Contractor—F. Clausen, 1506 28th Ave., Oakland. $4800 each

DWELLING
(4055) E THIRTEITH AVE 130 S E-14th, Oakland. One-story 5-room dwelling.
Owner—R. K. Larsen, 2830 E-14th St., Oakland.
Architect—None.
Contractor—F. Clausen, 1506 28th Ave., Oakland. $4800

RECORDED

APARTMENTS
(4056) PTN PLOT 7, Patterson Ranch, Oakland. All work for two-story frame apartments.
Owner—C. A. Henry, Oakland.
Architect—None.
Contractor—C. G. Hildebrand, 3257 Galindo St., Oakland.
Filed Nov. 16, '21. Dated Nov. 16, '21.
Ready for roof $3000
Plastered 2000
Completed and accepted 2000
Usual 35 days 2700
TOTAL COST, $9700
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ELECTRIC WORK
(4057) LOTS 1 AND 2 BLK B Blake Tract No. 1, Berkeley. Electric work for one-story reinforced concrete and brick extension.
Owner—The Boardman Estate, Okd.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Berkeley Elec. Co., 2142 Center St., Berkeley.
Filed Nov. 16, '21. Dated Nov. 15, '21.
On 1st and 15th of each month 75%
Usual 35 days 25%
TOTAL COST, $1745
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(4058) GLASS AND GLAZING ON above.
Contractor—W. P. Fuller & Co., 259 10th St., Oakland.
Filed Nov. 16, '21. ated Nov. 15, '21.
Payments same as above .....
TOTAL COST, $306
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(4059) TILE WORK ON ABOVE.
Contractor—The Rigney Tile Co., 2148 Telegraph Ave., Oakland.
Filed Nov. 16, '21. Dated Nov. 16, '21.
Payments same as above .....
TOTAL COST, $2760
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(4060) PLUMBING, SEWER WORK and gas piping on above.

Contractor—Robert Annis, 1147 Shattuck Ave., Berkeley.
Filed Nov. 16, '21. Dated Nov. 15, '21.
Payments same as above.....
TOTAL COST, $1230
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(4061) LATHING AND PLASTERING on above.
Contractor—Wm. Makin, 1048 Excelsior St., Oakland.
Filed Nov. 16, '21. Dated Nov. 15, '21.
Payments same as above.....
TOTAL COST, $2825
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(4062) CARPENTER, MILL, STEEL and iron work on above.
Contractor—Conner & Conner, Berkeley Way and Shattuck Ave., Bkly.
Filed Nov. 16, '21. Dated Nov. 15, '21.
Payments same as above.....
TOTAL COST, $8200
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(4063) BRICK WORK ON ABOVE.
Contractor—John Thomsen, 5831 Occidental St., Oakland.
Filed Nov. 16, '21. Dated Nov. 15, '21.
Payments same as above.....
TOTAL COST, $2300
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

GYMNASIUM
(4064) W DOVER ST 200 S 51st St., Oakland. One-story gymnasium.
Owner—Baby Hospital.
Architect—None.
Contractor—F. W. Maurice, 1362 E. 25th St., Oakland. $1300

GARAGE
(4065) 2253 E 39TH ST, Oakland. Garage.
Owner—Lee A. Wilson.
Architect—None.
Day's work. $450

ADDITION
(4066) 1227 1ST AVE, Oakland. Addition.
Owner—P. Clecak.
Architect—None.
Contractor—Walker Refrigerating Co., 566 4th St., Oakland. $800

DWELLING
(4067) FRUITVALE EXTENSION, Oakland. One-story 2-room dwelling.
Owner—J. Hill, 3051 Wheeler St., Berkeley.
Architect—None.
Day's work. $500

GARAGE
(4068) 3839 PARK BLVD, Oakland. Garage.
Owner—G. Guyott, 1438 Madison, Oakland.
Architect—None.
Contractor—A. T. Hendricks, 47 Fairview Ave., Piedmont. $400

WAREHOUSE
(4069) W SAN PABLO AVE 125 N Filbert, Oakland. One-story warehouse.
Owner—H. C. Brown, 1417 San Pablo Ave., Oakland.
Architect—None
Day's work. $1495

DWELLING
(4070) NO 1031 CARLTON ST., Berkeley. One-story 1-room dwelling.
One-story 1-room dwelling.
Owner—W. Holm, 823 Stannage Ave. Albany.
Architect—None.
Day's work. $4000

ALTERATIONS
(4071) NO. 2247 CEDAR, Berkeley. Alterations.
Owner—Mary F. Steiger, 545 23rd St., Oakland.
Architect—None.
Day's wodk. $500

DWELLING
(4072) NO. 26 EL CAMINO REAL, Berkeley. Two-story 10-room dwelling
Owner—Katherine S. Whitton, 193 Hillcrest Road, Berkeley.
Architect—None.
Contractor — J. Dawson, 2121 Durant Ave., Berkeley. $11,000

DWELLING
(4073) E CLAREMONT AVE 247 N Hudson, Oakland. One-story 5-room dwelling.
Owner—J. W. Monroe, 4612 Grove St., Oakland.
Architect—None.
Day's work. $4000

STORES
(4074) SW COR 8TH AND CLAY STS, Oakland. One-story brick stores.
Owner—R. W. Kinney, 9th and Franklin Sts., Oakland.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland. $11,000

DWELLING
(4075) W E-28TH ST 420 S Park Blvd, Oakland. Two-story 7-room dwelling.
Owner—C. K. Nichols, 1528 Franklin St., Oakland.
Architect—None.
Day's work. $4800

STORES
(4076) N FOOTHILL BLVD 100 E 38th Ave., Oakland. One-story stores.
Owner—L. H. Harris.
Architect—None.
Contractor—J. S. Marshall, 3521 E. 18th St., Oakland. $2000

GARAGE
(4077) 418 45TH ST., Oakland. Garage.
Owner—O. G. Giannotti.
Architect—None.
Contractor—O. N. Brown, 500 Webster St., Oakland. $415

DWELLING
(4078) E 48TH AVE 509 N E-14th St., Oakland. Two-story 4-room dwelling.
Owner—A. B. Christensen, 2855 Jackson St., Alameda.
Architect—None.
Day's work. $2000

GARAGE
(4079) 1251 1ST AVE, Oakland. Garage.
Owner—Dr. M. Elgaten, 1247 1st Ave., Oakland.
Architect—None.
Contractor—H. E. Irish, 2214 Clement Ave., Alameda. $416

DWELLING
(4080) W MARKET ST 40 N 37th St., Oakland. One-story 5-room dwelling.
Owner—E. L. Hull, 36th St. and San Pablo Ave., Oakland.
Architect—None
Contractor — Al A. Anderson, 3321 Brookdale Ave., Oakland. $2715

ADDITION
(4081) NO. 588 SYCAMORE ST., Oakland. Addition.
Owner—Mrs. Jennie L. Fuller.
Architect—None
Contractor—H. C. Kidder, 2108 Addison St., Berkeley. $400

DWELLING
(4082) S WALNUT AVE 332 E 55th Ave., Oakland. One-story 7-room dwelling.
Owner—Chas. H. and Lottie H. Osborn, 318 Ohio St., Vallejo.
Architect—None.
Day's work. $4000

RECORDED

DWELLING
(4083) N GLENDORA AVE 444 W Edgewood being Lot 19 Blk 8, Fourth Avenue Heights, Oakland. All work for one-story 6-room dwelling and garage.
Owner—Harold Halleen, 1115 16th St., Oakland.
Architect—None.
Contractor—E. Maasberg, 1420 Wellington Ave., Oakland.
Filed Nov. 17, '21. Dated Nov. 16, '21.
Enclosed $1000
Brown coated 1000
Completed 1000
Usual 35 days..... 1150
TOTAL COST, $4150
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today

GRADING, FORMS, ETC.
(4084) NW COR 14TH & WEBSTER Sts. N 606 to pt begin N 50 W 150, Oakland. Grading, forms, concr. and cement work for 4-story reinf. concr. bldg.
Owner—Horwinshi Co., 361 13th St., Oakland.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., San Francisco.
Contractor—M. C. Vaughn, 351 12th St., Oakland.
Filed Nov. 16, '21. Dated Nov. 15, '21.
First floor in place.....$4117
Second floor in place..... 4117
Third floor in place..... 4117
Fourth floor in place..... 4117
Completed 4117
Usual 35 days $6999
TOTAL COST, $27,584
Bond, $14,000; sureties, J. K. Nelson and Carl T. Doell; forfeit, none; limit, 75 days. Plans and specifications filed.

(4085) STEEL REINFORCING ON above.
Contractor—W. S. Wetenhall Co., 604 Mission St., San Francisco.
Filed Nov. 16, '21. Dated Nov. 10, '21.
Second floor steel in place.....$2211
Fourth floor steel in place..... 2211
Completed and accepted 2211
Usual 35 days 2216
TOTAL COST, $8849
Bond, $4425; suretiey, Fidelity and Deposit Co.; forfeit, $25 day; limit, as soon as possible. Plans and specifications filed.

ALT. & ADD.
(4086) 747 54TH ST., Oakland. Alterations and addition.
Owner—Mrs. M. E. Butler, Premises.
Architect—G. L. Rosebrook.
Contractor—A. Lingren.
Filed Nov. 16, '21. Dated Nov. 15, '21.
1st and 15th day ea. month.....75%
Usual 35 days 25%
TOTAL COST, $1055
Bond, sureties, forfeit, limit, none. Plans and specifications filed.

DWELLING
(4087) N LAKE SHORE AVE 116 E Rand Ave., Oakland. Two-story frame dwelling, except lighting fixtures, shades and heating system.
Owner—George and Sylvia Scrivani, 216 Franklin St., Oakland.
Architect—Paul F. De Martini, 946 Broadway, Oakland.
Contractor—McIntosh Bros., 180 Jessie St., San Francisco.
Filed Nov. 16, '21. Dated Nov. 14, '21.
Sheathed .....¼
Brown coated .....¼

Completed and accepted .....¼
Usual 35 days .....¼
TOTAL COST, $13,800
Bond, $6900; sureties, Theo. De Pass and Wm. Smith; forfeit, none; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Sept. 28, 1921. No. 3321.

PAINTING
(4088) 40TH AND HOLLIS STS., Emeryville. Paint water tower.
Owner—Western Electric Co., Premises.
Architect—None.
Contractor — Eastern Decorating Co., 626 13th St., Oakland.
Filed Nov. 16, '21. Dated Nov. 8, '21. Payments not given.
TOTAL COST, $835
Bond, $835; surety, Fidelity and Deposit Co.; forfeit, limit, none. Plans none; specifications filed.

APARTMENTS
NE FORTY-SEVENTH & IGNACIO Aves., Oakland. Two-story 14-room apartments and stores.
Owner—C. A. Henry, 4205 West St., Oakland.
Architect—None.
Contractor—C. G. Hildebrand, 1700 Fremont Way, Oakland. $11,000
NOTE:—Recorded contract reported Nov. 7, 1921. No. 4056.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded **Accepted**

Nov. 17, 1921—NW SEVENTEENTH and Telegraph Ave N 58 th parallel to 17th St. 100 S 58 E 100, Okd. Lem Williams to Alfred Olson.....Nov. 17, 1921

Nov. 17, 1921—LOT 30 BLK 5, Fourth Avenue Heights, Oakland. William J Baker to whom it may concern.....Nov. 16, 1921

Nov. 17, 1921—LOT 16 BLK 9 Map Steinway Terrace, Oakland. E N Ament to C Texdahl.....Nov. 1, 1921

Nov. 16, 1921—NE ALMOND 125 NW 98th Ave NW 35xNE 146.52, Oakland. Robert Hillis to C L Hewitt .....Nov. 7, 1921

Nov. 15, 1921—NO. 55 PARKSIDE Drive, Berkeley. H J Cross to whom it may concern..Nov. 15, 1921

Nov. 15, 1921—CROSSING AT STANford and San Pablo, Oakland. Southern Pacific Co to Hutchinson Co.....Nov. 9, 1921

Nov. 14, 1921—PTN LOT 1 Map Pleasant Valley Court, Oakland. Helen L and Dr Leon R Dupuich to J W Monroe.....Nov. 12, 1921

Nov. 10, 1921—NO. 457-59 FORTIETH St., Oakland. Harry B and Rowena Meeks Abdy to Morrow & Garren. .....Nov. 10, 1921

Nov. 12, 1921—LOT 11 BLK 10 Map Fourth Avenue Heights, Oakland. C M Norgrove to William J Baker.. .....Nov. 12, 1921

Nov. 12, 1921—NW FORTY-SIXTH AV and E-14th W 65xN 55, Oakland. Bank of Italy to Etherton & Co.. .....Nov. 9, 1921

Nov. 12, 1921—LOT 28 BLK "D" Oakland Highlands, Oakland. Louis E Simmonds to whom it may concern .....Nov. 10, 1921

Nov. 12, 1921—NO. 2732 DERBY AND No. 2734 Derby, Berkeley. Gustave Schrader to whom it may concern .....Nov. 8, 1921

Nov. 12, 1921—NO. 5631 COLLEGE Ave., Oakland. Beach-Krahn Amusement Co. Inc to Lawton & Vezey.....Nov. 7, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded **Amount**

Nov. 17, 1921—S 37½ LOT 8 BLK 15, Map McGee Tract, Berkeley. Sunset Lumber Co vs Simon and Nettie Raport $77.47

Nov. 16, 1921—LOT 14 AND SE 13 Lot 13 Blk 1, Map Lakeshore Highlands, Oakland. Maxwell Hdw. Co vs Anna and James Gartland and F. N. Strang.....$499.84

Nov. 15, 1921—LOT 4 AND W 10 LOT 5, Map Boston Tract, Oakland. David Hart vs. L. A. Brown and Mrs. Black $441.56

Nov. 15, 1921—LOT 4 AND W 10 ft. Lot 5 Map Boston Tract, Oakland. Known as No. 547 33rd St. J W Brooks vs L A Brown et al.....$250

Nov. 14, 1921—N FIFTY-THIRD 140 W of boundary line Emeryville W 30xN 106.62, Emeryville. Stege Lumber & Hardware Co vs T T Chestick and Emma Jane Chestick $101.97

Nov 14, 1921—SW E-TWENTY-FIRST 390 SE Fifth SE 40xSW 125, Oakland. W H Picard vs Amelia H Henry and W Henry.....$585.79

Nov. 12, 1921—LOT 24 BLK "E" Map East Piedmont Heights, Oakland. L W Blake vs Fred N Strang and Walter F Price.....$375

Nov. 12, 1921—LOT 24 BLK "E" Map East Piedmont Heights, Oakland. California Door Co vs Fred N Strang & W Price $238

Nov. 12, 1921—LOT 20 BLK 1 Map Lakeshore Highlands, Oakland. Inlaid Floor Co, $433.98; Rigney Tile Co, $182; C L Adams, $192; L W Blake, $502.30; California Door Co, $442.70; Powell Bros, Inc, $175 vs Fred N Strang & Janet F W Mowatt .....

HOMESTEADS

ALAMEDA COUNTY

Recorded Amount

Nov. 17, 1921—N 40 LOT 15 BLK 21, Map Northbrae, Berkeley. J M Willinger $5000

Nov. 17, 1921—LOTS 17, 18, and 19 Blk 33, Amended Map Fairmount Park, Albany. Samuel Chase..$5000

Nov. 16, 1921—SW ALEXANDER Court 185 NW 35th Ave NW 35xSW 120, Oakland. Dorothy J Johnson (wf Elmer V) $4500

Nov. 16, 1921—E 30 LOT 33 and W 10 Lot 34 Map Parkside Claremont, Berkeley. Joe G Sweet $6500

Nov. 16, 1921—LOT 21 Map Ashley Tct. Katie Anderson (wf Axel E) $3,000

Nov. 15, 1921—BEG. PORTION LOT 17 map of the Ghirardelli Tract nr Fruitvale. W. F. Boardman Co. Surveyor filed April 7, 1869 in Liber 40 of Deeds, Pages 246 and 247 in Office of County Recorder of Alameda County. Mary A Hoberg (wf Frank) $5000

Nov. 14, 1921—N CLEMENT AVE 320-6½ E Everett E 45xN 150, —. Etta McMichael (wf Wm) $5000

Nov. 14, 1921—PTN BLK "Q" Map of Annex to Meek Orchard Tract, Eden Tp. E D McDonald.....$2500

Nov. 12, 1921—W DUNCAN 264 S Webster S 44xW 130, Berkeley. Earl H Wight $5000

Nov. 12, 1921—LOT 21 and S 5 Lot 22 Sbdvn "C" Map Fruitvale Terminal Tract, Oakland. Martha Wieck (Wf Henry) $2000

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
1555 ROOSEVELT AVE., Fresno. Dwelling.
Owner—Nels N. Nelsen.
Architect—None.
Day's work. $3900

DWELLING
3362 KERCKHOFF AVE., Fresno. Dwelling.
Owner—Chess & Petersen.
Architect—None.
Contractor—W. G. Jolly, 547 Echo, Fresno. $6000

ADDITION
334 COAST AVE., Fresno. Addition to garage.
Owner—De Vaux Motor Co., Premises.
Architect—None.
Contractor—Valley Construction Co., Fresno. $10,200

ALTERATIONS
508 VAN NESS AVE., Fresno. Alterations.
Owner—B. Harvey, Premises.
Architect—None.
Contractor—Paulsen & Strange, 2225 Fresno, Fresno. $5433

STORE
NO. 316 C ST., Fresno. Store.
Owner—Wasemiller & Quindt, 335 C St., Fresno.
Architect—None.
Day's work. $7000

DWELLING
NO. 4023 KERCKHOFF AVE., Fresno. Dwelling.
Owner—J. A. Barr, 746 Van Ness Ave., Fresno.
Architect—None.
Day's work. $5000

DWELLING
NO. 3311 LYELL ST., Fresno. Dwelling
Owner—N. E. Wilkinson.
Architect—None.
Day's work. $3000

ALTERATIONS
NO. 1404 TULARE ST., Fresno. Alterations.
Owner—K. Hasegawa.
Architect—None.
Contractor—J. R. Church, 221 N-U St., Fresno. $10,000

ALTERATIONS
BELMONT AVE. in Blk 2 Van Ness Park, Fresno. Remodel residence into apartment house.
Owner—Bell T. Harvey.
Architect — Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Paulsen & Stange, 2225 Fresno St., Fresno.
Filed Nov. 8, '21. Dated Nov. 7, '21.
½ completed $1370.75
¾ completed 1370.75
Completed 1370.75
Usual 35 days..... 1370.75
TOTAL COST, $5483.00
Bond, none. Limit, 45 days. Forfeit, $10 per day. Plans and specifications filed.

PLUMBING, GAS AND WATER SERvice on above.
Contractor—H. S. Stange, 2235 Harvey Ave., Fresno.
Filed Nov. 8, '21. Dated Nov. 7, '21.
¼ completed $500
Completed 500
Usual 35 days..... 545
TOTAL COST, $1545
Bond, none. Limit, 45 days. Forfeit, $10 per day. Plans and specifications filed.

DWELLING
710 TERRACE AVE., Fresno. Dwelling.
Owner—I. E. Haines.
Architect—None.
Contractor—E. E. Spencer. $4000

DWELLING
722 SUMMER AVE., Fresno. Dwelling.
Owner—Mrs. N. Kalejian.
Architect—None.
Contractor—L. K. Cone. $5500

DWELLING
543 PATTERSON ST., Fresno. Dwelling.
Owner—H. E. DePew.
Architect—None.
Day's work. $3500

DWELLING
361 WILSON AVE., Fresno. Dwelling.
Owner—Chester Lawrence, Olive and Cleveland Sts., Fresno.
Architect—None.
Contractor—C. E. Millhollen, 363 Thesta, Fresno. $5250

DWELLING
927 HUNTINGTON AVE., Fresno. Dwellings.
Owner—D. A. Shope, 922 "O" St., Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S. 4th St., Fresno. $6000

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Nov. 15, 1921—LOT 20 W ½ Lot 19. Blk 26, Arlington Heights Tract, Fresno. W J Palfrey to whom it may concern.....Nov. 14, 1921
Nov. 16, 1921—LOT 3 Hays Addition, Fresno. Sallie Cain and Mabel C Pool to whom it may concern... .....Nov. 9, 1921
Nov. 12, 1921—LOTS 25 AND 26 BLK 14, Arlington Heights Tct, Fresno. Ralph S and Sylvia F Bissett to whom it may concern...Nov. 7, 1921

LIENS FILED

FRESNO COUNTY

Recorded Amount
Nov. 15, 1921—LOT 8, Fresno. M Gashagorzian vs Nubar Arakelian $439
Nov. 8, 1921—LOTS 1, 2 BLK 65, Fresno. Fisher-Glassfold Hardware Co. vs M. E. Casebier and G. W. Dowda $131.00

Notice of Non-Responsibility

FRESNO COUNTY.

Nov. 10, 1921—LOTS 1 AND 2 BLK 1, Gladius Addition, Fresno. A J Arnaudon as to improvements on property .....

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

RESIDENCE
BEDFORD ROAD, Stockton. Residence and garage.
Owner—W. S. J. Ranney, Tuxedo Park, Stockton.
Architect—None.
Day's work. $5200

STORE BLDG.
EAST MARKET ST., Stockton. Store building.
Owner—Lafayette Syndicate.
Architect—None.
Day's work. $8000

WAREHOUSE
WEST MAIN ST., Stockton. Warehouse.
Owner—Overland Transfer Co., 45 W. Main St., Stockton.
Architect and Contractor—Davis-Heller-Pearce Co., Delta Bldg., Stockton. $12,000

FLATS
N. COMMERCE ST., Stockton. Flats.
Owner—O. H. Chain, Farmers & Merchants Bank Bldg., Stockton.
Architect—None.
Day's work. $10,000

RESIDENCE, ETC.
WEST WILLOW ST., Stockton. Residence and garage.
Owner—F. P. Dobson, 27 W. Oak St., Stockton.
Architect—None.
Day's work. $4700

RESIDENCE, ETC.
WEST ROSE ST., Stockton. Residence and garage.
Owner—Eric Johansen.
Architect—None.
Day's work. $3200

RESIDENCE, ETC.
WEST VINE ST., Stockton. Residence and garage.
Owner—Ed Bettini, 422 Mendocino St., Stockton.
Architect—None.
Day's work. $4750

COTTAGE
S. 10TH NR. VIRGINIA. Four-room cottage.
Owner—J. Murrin, 133 Reed St., San Jose.
Architect—C. Maurer.
Day's work. $3868

RESIDENCE, ETC.
CENTER AND WYANDOTTE, Stockton. Residence and garage.
Owner—F. Ray Shutes, 1920 N. Madison St., Stockton.
Architect—None.
Day's work. $3000

RESIDENCE
WEST WALNUT ST., Stockton. Residence.
Owner—Harry White, 546 N. San Joaquin St., Stockton.
Architect—None.
Day's work. $4800

RESIDENCE, ETC.
WEST VINE ST., Stockton. Residence and garage.
Owner—T. E. Williamson.
Architect—None.
Day's work. $4750

RESIDENCE, ETC.
SOUTH REGENT ST., Stockton. Residence and garage.
Owner—Tuxedo Land Co., Stockton.
Architect—None.
Day's work. $4000

RESIDENCE, ETC.
SOUTH REGENT ST., Stockton. Residence and garage.
Owner—Tuxedo Land Co., Stockton.
Architect—None.
Day's work. $4300

RESIDENCE, ETC.
SOUTH REGENT ST., Stockton. Residence and garage.
Owner—Tuxedo Land Co., Stockton.
Architect—None.
Day's work. $3600

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Nov. 16, 1921—LOTS 469, 470 AND 471 and part 472, Burkett Gardens. Robert Sain vs W Bohnak and C A Thehnor $22
Nov. 12, 1921—SE ¼ OF NW ¼ of the N 30 acres of the NE ¼ of SW ¼ of Sec. 20 T 2 S. R. 7 E, Stockton Manteca Lumber Co vs D H Ward $1178.46

BUILDING CONTRACTS

SANTA CLARA COUNTY

COTTAGE
WILLIAM NR. 9TH, San Jose. Six-room cottage.
Owner—Leone Wagner.
Architect—C. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—Geo. Lindbloom, 519 W. San Carlos, San Jose. $4700

ALTERATION
VINE AND AUZERAIS, San Jose. Alteration to store.
Owner—S. and E. Johnson, Premises.
Architect—None.
Contractor—Wm. Regal. $1700

ALTERATIONS
374 S. TENTH, San Jose. Alterations.
Owner—Wm. Prosseus, Premises.
Architect—None.
Contractor—C. W. De Hegy, 19th and Julian Sts., San Jose. $1900

COTTAGE
15TH AND SAN ANTONIO, San Jose. Six-room cottage.
Owner—G. E. Lenzen, 270 S-First St., San Jose.
Architect—Binder & Curtis, 255½ S. 1st St., San Jose.
Day's work. $5500

APT. HOUSE
SEVENTH NR. SAN SALVADOR. Two-story (8) apartment house.
Owner—T. P. Mitchell, 1105 S. 7th St., San Jose, Cal.
Architect and Contractor—Lewis & Nelson. $10,000

COTTAGE
MASTER NR. FLOYD, San Jose, Cal. Five-room cottage.
Owner—P. G. Messa, 1273 Mastick St., San Jose, Cal.
Plans by owner.
Day's work. $2800

DELMAS NR. PARK, San Jose, Cal. Six-room cottage.
Owner—August Dellwig.
Architect and Contractor—Jas. Lemieux, 577 S. 6th St., San Jose, Cal. $3500

COTTAGE
HUMBOLDT NR. MASTIC, San Jose, Cal. Three-room cottage.
Owner—Wm. H. O'Neil, 500 N. 15th St., San Jose, Cal.
Plans by owner.
Day's work. $1800

COTTAGE
HUMBOLDT NR. SHERMAN, San Jose, Cal. Four-room cottage.
Owner—Wm. H. O'Neil, 500 N. 15th St., San Jose, Cal.
Plans by owner.
Day's work. $1950

COTTAGE
HUMBOLDT NR. SHERMAN, Five-room cottage.
Owner—Wm. H. O'Neil, 500 N. 15th St., San Jose, Cal.
Plans by owner.
Day's work. $2350

RECORDED

RESIDENCE, ETC.
LOT 21 BLK 10, HANCHETT PARK, San Jose, Cal. One-story frame residence and garage.
Owner—Gertrude Donovan, San Jose, Cal.

Architect—Wolfe & Higgins, Auzerais Bldg., San Jose, Cal.
Contractor—Geo. Lindblom, 471 W. San Carlos St., San Jose, Cal.
Filed Nov. 16, '21. Dated Oct. 26, '21.
Frame is up.....$1387.50
First coat of plaster is on.. 1387.50
Completed and accepted..... 1387.50
Usual 35 days 1387.50
TOTAL COST, $5550
Bond, $2775; sureties, James H. Pierce and Southern Lumber Co.; forfeit, none; limit, 90 working days from Oct. 26, 1921. Plans and specifications filed.

RESIDENCE, ETC.
NAGLEE PARK, San Jose, Cal. All work but painting for 1-story frame residence and garage.
Owner—Mrs. Donovan, San Jose, Cal.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose, Cal.
Contractor—F. J. Huxtable, 377 S-6th, San Jose, Cal.
Filed Nov. 16, '21. Dated Nov. 8, '21.
Frame is up $1077.50
First coat of plaster is on.. 1077.50
Completed and accepted.... 1077.50
Usual 35 days 1077.50
TOTAL COST, $4310.00
Bond, $2155; sureties, Isabel Huxtable and M. J. Arana; forfeit, $5 a day; limit, 65 working days from Nov. 8, 1921. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Nov. 14, 1921—PTN LOT 20 of the Willows Half Acre, San Jose. J W Green to whom it may concern .....Nov. 12, 1921
Nov. 14, 1921—SAN JOSE. William H O'Neil to whom it may concern .....Nov. 12, 1921
Nov. 10, 1921—NORTH FIRST ST., San Jose, Cal. C S Cianciario to J. E. Parkins.....Nov. 4, 1921
Nov. 9, 1921—STANFORD UNIVERSITY (Stanford Stadium). Board of Athletic Control of Stanford University to Palmer & McBryde.... .....Oct. 31, 1921
Nov. 8, 1921—V. A. HANCOCK SUBdivision, San Jose, Cal. William H. O'Neil to whom it may concern. .....Nov. 8, 1921

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Nov. 14, 1921—THREE MILES NW of Mountain View. Adams Lumber Co vs Justin Maderos also known as Justin Madeiros $2514.75
Nov. 15, 1921—LOT 18 of the Ware Tract, Santa Clara County. E H Norton, J E Norton and H K Phelps, Co-partners (as Los Gatos Lumber Co) vs F J Bradley, Mortimore and Mary Mooney....$656.90
Nov. 12, 1921—676 N-SAN PEDRO St., San Jose. W F Stevenson vs O M and Nan L Skaggs.....$125

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RELEASE OF LIENS

SANTA CLARA COUNTY

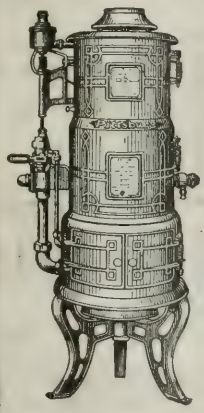
Recorded Amount
Nov. 12, 1921—ONE MILE W OF Los Altos, Santa Clara County. Adams Lumber Co. $175.18; Wm Laughland, $153.50 to A B Hughes and Ruth Haber .....
Nov. 9, 1921—INTERURBAN PARK Tract, San Jose, Cal. Southern Lumber Co. to C. A. Ross, Arthur L. Enderson, E. M. Rea and Joseph C. Layman.....$1192.15
Nov. 8, 1921—INTERURBAN PARK Tract, San Jose Cal. Geo. W. Borchers and Robert A. Borchers to C. A. Ross and Arthur L. Enderson $67.80

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
1256 42ND ST., Sacramento. One-story 4-room dwelling.
Owner—J. G. Jackson, 1429 28th St., Sacramento.
Architect—None.
Day's work. $2500

DWELLING
1424 42ND ST., Sacramento. One-story 5-room dwelling.
Owner—W. B. Phillips, 1512 38th St., Sacramento.
Architect—None.
Day's work. $4000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YEON BUILDING Portland, Oregon

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Frank J. Klimm
Plumbing
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DWELLING
1635 4TH AVE., Sacramento. One-story 6-room dwelling.
Owner—R. Ozi, Swanton Tract, Sacramento.
Architect—None.
Day's work. $3500

DWELLING
2314 16TH ST., Sacramento. One-story 4-room dwelling.
Owner—E. H. Lambert, 2227 "J" St., Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura St., Sacramento. $4000

CHURCH BLDG.
1121 21ST ST., Sacramento. Two-story church bldg.
Owner—Full Gospel Church, 1024 28th St., Sacramento.
Architect—None.
Day's work. $8000

REPAIRING
3865 5TH AVE., Sacramento. General repairing.
Owner—J. B. Lilliard, 3865 5th Ave., Sacramento.
Architect—None.
Contractor—W. B. LaDue, 2319 "O" St., Sacramento. $3000

DWELLING
38 37TH ST., Sacramento. One-story 5-room dwelling.
Owner—A. Powell, 2201 "L" St., Sacramento.
Architect—None.
Contractor—Robert Powell Co., 1309 6th St., Sacramento. $3000

DWELLING
41 37TH ST., Sacramento. One-story 5-room dwelling.
Owner—M. Miller, Grimes, Cal.
Architect—None.
Contractor—Robt. Powell Co., 1309 6th St., Sacramento. $3000

DWELLING
147 33RD ST., Sacramento. One-story 4-room dwelling.
Owner—Geo. E. Patterson, 2841 35th St., Sacramento.
Architect—None.
Contractor—C. Valine, Box 370, Sacramento. $3000

CONCRETE FLOOR
18 "R" ST., Sacramento. Concrete floor.
Owner—Arnold, 318 "R" St., Sacramento.
Architect—None.
Contractor—F. Maloney, 1801 "U" St., Sacramento. $4000

DWELLINGS
2014 30TH ST., 2006 30TH ST., Sacramento. Three 1-story 5-room dwellings.
Owner—M. L. Davies, 1010 8th St., Sacramento.
Architect—None.
Day's work. $2500 ea.

DWELLING
2620 "E" ST., Sacramento. One-story 5-room dwelling.
Owner—A. C. Garwood, Franklin Blvd., Sacramento.
Architect—None.
Contractor—A. E. Erickson, Box 3, Sacramento. $4451

FLATS
1432 42nd ST., Sacramento. Two-story 6-room frame flats.
Owner—W. B. Phillips, 1512 38th St., Sacramento.
Architect—None.
Day's work. $5000

DWELLING
1017 7TH ST., Sacramento. One-story 4-room dwelling.
Owner—Paul Opdyke, 1017 7th Ave., Sacramento.
Architect—None.
Day's work. $2500

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Nov. 12, 1921—E ½ LOT 3, X, Y, 21st and 22nd Sts., Sacramento. Homer D Jones to whom it may concern .....Nov. 1, 1921

Telephone: West 1726
J. A. MOHR & SON
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COMPRESSED AIR PAINTING AND SAND BLASTING
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2216-18 Fillmore St., San Francisco

Notice of Non-Responsibility

SACRAMENTO COUNTY

Nov. 15, 1921—LOT 1613 Elmhurst 1 C M Goethe as to improvements on property .....

CLIPPING FILING SYSTEM FOR THE ENGINEER

A useful system for filing clippings relating to engineering subjects is described as follows by Mr. John S. Carpenter in a recent issue of Power:

The system is to number the clippings consecutively and put them in batches of about 50 pages in large manilla envelopes which open on the side. All these envelopes are marked showing what clipping numbers they contain. A four-drawer vertical filing case provides room for future expansion, 7,500 clippings filling it about to half capacity. Guide cards in the vertical file locate numbers in intervals of 200. In this way there is no sequence of numbers to be broken up by the addition of future matter.

For the index, use of 3x5-in. cards in alphabetical order. For instance, under C come Concrete, and by using guide cards of another color, subdivide as follows: Concrete Buildings, Concrete Coal Bunkers, Concrete Tanks, etc. Under T comes Turbines, both steam and water turbines. The subject Turbines-Water is subdivided, Runner Design, Draft Tube Design, Notatable Installations, etc. Under P would come Power Plants, subdivided into Ash Handling Systems, Coal Towers, Coal Storage, Electrical Features, etc. A given clipping is indexed thus: "Hydro-Electric Practice—Draft Tube Design. By C. Voetsch, Power, Aug. 2, '21. Clipping 4,156."

This article happens to lap over another page, which contains an interesting article, "Gas Engine Troubles," which would be similarly indexed with the same clipping number under Gas—Gas Engines.

In some filing methods the article would be filed under a general subject index "Hydro-Electric Practice," and should one later wish to locate the article on gas-engine troubles, it very probably could not be found, or only by going over the whole file. In the method suggested no article of interest need be overlooked.

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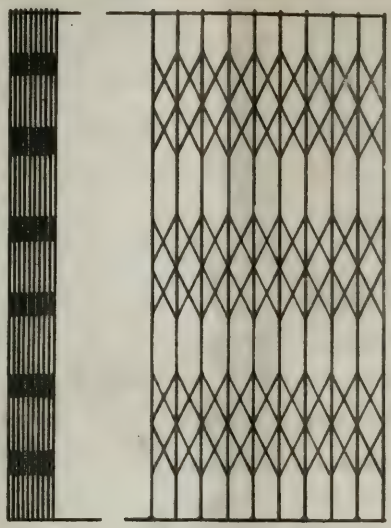

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SAN FRANCISCO, CAL., NOVEMBER 26, 1921

Published Every Saturday
Twenty-first Year, No. 48

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If you want to know when Architects and Engineers are preparing plans or taking figures for materials and for construction, we supply the information.

BUILDING REPORT SERVICE covers every class of building.

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CAL., NOVEMBER 26, 1921 — Twenty-first Year. No. 48

No. 560 Mission Street,
San Francisco, Calif.
MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast

Official Paper of Vallejo Builders' Exchange

Subscription terms, payable in advance
U. S. and Possessions, per year...$4.00
Canadian and Foreign, per year.. 5.00
Single Copies 15c

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

INDUSTRIAL DIGEST TO REVIEW COLUMNS OF BUILDING & ENGINEERING NEWS

Readers of BUILDING AND ENGINEERING NEWS will be glad to know that many of the important articles we publish will be covered in The new weekly, The INDUSTRIAL DIGEST, which also finds the informative articles from nearly six hundred leading trade and technical publications. Digests from this magazine will appear under one of the following industrial classifications, and cross-references will be provided for articles related to other industries: Automotive; Building and Construction; Cement and Concrete; Electrical; Fuel, Coal and Power; Glass and Pottery; Machinery and Machine Products; Iron and Steel; Brick, Stone and Clay; Metals and Metal Products; Hardware and Paints; Lumber and Wood Products; Transportation; Refrigerating; Economic and Engineering.

An annual index will be issued, supplying readers with a comprehensive review of the most important articles in our paper as well as articles from each of the other six hundred periodicals.

The new weekly will be issued, by the PERIODICAL DIGEST CORPORATION at 25 West 43rd Street, New York City, is designed to save time and trouble for the busy executive and serve as a much-needed supplement to the industrial magazines which are the very backbone of our national industrial information.

BRICK MANUFACTURERS TO HOLD CONVENTION

The National Brick Manufacturers' Association will hold its annual convention in Indianapolis, Ind., January 23-28. The manufacturers will make their headquarters at the Hotel Claypool.

IDLE TIMBER IN U. S. MORE THAN FORESTS ABROAD

"The United States produces more than half of the entire lumber cut of the world," says Col. W. B. Greeley, chief of the Forest Service, United States Department of Agriculture, "and uses 95 per cent of that amount right here at home. The exhaustion of our timber supply is coming about, not because we have used our forests freely, but because we have failed to use our timber-growing land. The problem in a nutshell is the enormous area of forest land which has been so logged and burned that it is producing little or nothing. We have more than 80,000,000 acres, an area greater than all the forests of France, Belgium, Holland, Denmark, Germany, Switzerland, Spain and Portugal, which have been denuded to the point of absolute idleness so far as production of any timber of commercial value is concerned. We have other enormous areas of cut-over land now growing but a fraction of the amount of timber which they might produce. And we are adding to these areas of idle, or largely idle land from 10,000,000 to 15,000,000 acres every year, as destructive logging and still more destructive burning progresses.

Cannot Continue

"This situation," the forester points out, "cannot long continue without grave consequences. If we are to remain a nation of wood users, we must become a nation of wood growers. By some means or other we must see to it that forest land not needed for agriculture are not allowed to lie idle, but are kept at work growing timber.

"Where Americans need more forests," states Col. Greeley, "is largely on these 80,000,000 timber-denuded acres which could be made productive again with proper attention and protection against fires." Some of the chief reasons why these forests are needed are as follows:

"Our manufacturing centers are drawing at an enormous rate upon our timber supply—from two to four times as fast per capita as the country at large.

Our railroads require 125,000,000 wooden crossties annually to maintain their roadbeds in fit condition to take care of new construction.

"Our average American uses 125 pounds of paper a year—made largely from wood—and the growing circulation of our newspapers and magazines is increasing that very generous per capita allowance.

"Our average well-kept farms, using the upper Mississippi Valley as as instance, require 2000 board feet of lumber annually for repairs and improvements.

"Our Florida citrus crop alone, for marketing, takes 13,000,000 boxes of 5½ board feet each, every year."

BUILDING BOOMING IN NORTHEAST, REPORT SHOWS

Building operations are beginning to boom in the northeastern quarter of the United States, according to reports made to the President's conference on unemployment. With 1966 building contracts of a value of $89,986,900 awarded in September, the New York district broke the highest record of any month, even in normal times. In the Chicago district, comprising Illinois, Indiana, Iowa, Michigan, Wisconsin, Missouri and Eastern Kansas and Nebraska, 2022 contracts of a total value of $58,153,400 were awarded in September, which represented less than the usual decline from the volume of August operations. In all the twenty-seven states reported upon, more contracts were awarded in September than in any other month this year or in any previous September. The amount was 11.5 per cent greater than in August, although in the ten-year period previous to 1921 September contracts have averaged 14.5 per cent less than August.

TOM POWERS ENTERS REAL ESTATE BUSINESS

Announcement has been made that Thomas J. Powers, recent candidate for Recorder, has identified himself with the real estate firm of W. B. McGerry & Co.

In making the announcement, Howard J. Mallen, vice-president and general manager of the firm, said:

"We count ourselves very fortunate in securing the services of Tom Powers. For nineteen years he was statistician and chief clerk in the Building

Permit Department of the city under John P. Horgan. All this valuable experience will now be placed at the service of the real estate investor.

"The real estate market of San Francisco is today in a healthier condition than it has been for years. Values have shown steady increase and are more stable than ever before. It is an encouraging sign when men of the type of Tom Powers find themselves drawn to the real estate business."

SETTLEMENT IN FRESNO PAVING CONTROVERSY

The City of Fresno and Warren Brothers have come to a satisfactory understanding in the controversy over the crushed rock clause in Warrenite [illegible] agreement has been received permitting the use of any broken stone in the wearing surface that is uniform in quality and of such hard and tough material [illegible] less than 10 per cent after a specified test in the Deval abrasion machine. The controversy arose over the use of [illegible] than 5 [illegible]

The Observer

The California State Civil Service Commission announces an examination will be held in the immediate future for the position of Superintendent of Operation and Maintenance of Buildings, a position paying from $200 to $250 a month. The duties of the position are, under general administrative direction, to have responsible charge of the several trades engaged in the operation, maintenance and cleaning of a single large office building or group of buildings. Date of filing applications is set for December 10. Application blanks may be had from the State Employment Bureau at 933 Mission St., San Francisco; 401 10th St., Oakland; 176 S. Market St. San Jose; 916 H St., Fresno, and 200 S. San Joaquin St., Stockton.

Efforts are to be made immediately by the West Coast Lumbermen's Association to obtain lower freight rates on lumber shipments to various parts of the country from the Pacific Northwest. An appeal will be taken before the Interstate Commerce Commission. The charge is made that the rate on lumber and other foreign products from the Northern Pacific in effect prior to August 25, 1920, were unjust and unreasonable and that such rate discrimination was aggravated by the percentage increases of August 26, 1920.

Petition has been filed in the Superior Court for a decree dissolving the Coleman Brick and Lime Company, a corporation, which has been operating the brick yard at Milpas and Cota streets, Santa Barbara, for many years. Hearing has been set for 10 o'clock Monday, December 12. The petition sets forth that the company has a capital stock of $25,000 and that the original directors were Magnus Johnson, W. R. Coleman, J. E. Coleman, O. E. Miller (president) and D. O. Kelly (secretary). Magnus Johnson and D. O. Kelly have died since the company was organized and the remaining directors have acquired all the stock.

Minneapolis is establishing a twenty-year record in dwelling construction. The total valuation of permits for dwellings so far is $7,744,360. In May, 300 houses were begun and nearly 400 in August. Work now under way will keep Minneapolis building mechanics at work for from four to six weeks longer. Conservative estimates are that not less than ten thousand people will be housed by the apartments and single dwellings constructed this year.

Los Angeles held third place in building operations for October, 1921, being less than seven hundred thousand dollars under Chicago, which was second among the cities of the United States in valuation of building permits issued during the month. San Francisco was twelfth in the list, Long Beach fourteenth and Portland, Ore., sixteenth. Thirty-four cities reported building in excess of $1,000,000 for October and six of these are in California.

The American Institute of Architects has selected Chicago as the city for their convention which will be held in early Spring, 1922. The exact date will soon be announced.

There is a shortage of approximately 1,200,000 homes in the United States, but the outlook for building activities is good. This is according to members of the commission of the Associated General Contractors of America, who are touring the country in the interests of the building industry.

A company to erect a brick manufacturing plant near Escondido is being promoted by H. T. Morris and A. A. Broerman of that city. Organization of the company is said to be well under way and it is expected the plant will be in operation next Spring. It will be located on a tract northwest of Escondido, where a deposit of what is said to be a very fine quality of fire clay has been found.

The Kawneer Manufacturing Company has opened an office in Los Angeles at 1062 South Broadway, with Charles P. Eisenmayer as district manager.

The Pacific Builders' Supply Company of Los Angeles has taken up the general western distribution of Desco metal store fronts, made by the Detroit Showcase Company at Detroit. The company will serve all the territory from Denver west, the western provinces of Canada and the Orient.

The distribution of $150,000,000 worth of surplus war materials through the United States Bureau of Public Roads to the various states to be used only for road building purposes has been completed. That such a vast amount of equipment could be absorbed by this branch of construction in addition to that privately owned, which is continually being increased, indicate something of the magnitude of the development of highway improvement in the United States.

An association of existing building craft organizations including architects, contractors, sub-contractors and specialty houses is being organized at Portland, Ore. Ellis F. Lawrence, Portland architect and dean of architecture at the University of Oregon, is taking an active part in the formation of such an organization. Speakers at the last meeting, to further the immediate formation of the association, include: Wm. G. Purcell, president of the Oregon chapter, A. I. A.; Jos. Jacobberger, Natt McDougal, president of the Northwest chapter, A. G. C.; J. M. Dougan, chairman building division of the A. G. C.; Carl Stebbinger, president of the Builders' Exchange; E. E. Gilmer, Fred Cook and C. D. James, architect.

In 1920 the Pacific and Rocky Mountain states combined produced 36.6 per cent of the lumber out of the nation. Washington holds first place in production; Oregon, second for the first time displacing Louisiana from a position held for fifteen years; while California ranks fifth, displacing another yellow pine state. Indications are that the supremacy held by the South in lumber production is moving West. Lumbering is one of the great employing western industries, in several of the states maintaining 60 per cent of the aggregate payrolls.

A zoning ordinance has been passed by the City Council of Pomona prohibiting the erection of business buildings outside a prescribed district in that city without a special permit from the City Council.

The Pacific Coast Machinery Company, H. Weishaupt, manager, has opened quarters at 140 Howard street and will engage in buying and selling new and used iron and wood-working machinery.

Positive assurance given that the Great Western Power Company would build one of the world's largest hydro-electric plants near this city, when the Federal Power Commission notified the Board of Supervisors of Butte County that the Great Western was ready to build. It has been announced that the plant will be built between Las Plumas and Oroville, but as the Oroville site has already been purchased, it is probable that the new hydro-electric plant, which is to cost in the neighborhood of $2,000,000, will be built there.

Provision to the extent of $150,000 for fighting the pine beetle in the national forests of Superior California and Southern Oregon has been made in the urgent deficiency bill, according to Chairman Madden of the House Appropriations Committee.

With a view of establishing in Italy electrical transmission lines and developing hydro-electric power along the same plans as have been followed by the California power companies and public utility corporations, Carlo Ferrari, electrical engineer of Naples, Italy, is in San Francisco studying the systems of local companies.

The third annual meeting of the Associated General Contractors of America will be held in Cleveland, January 17, 18 and 19, 1922. If you want to know what's what, as well as who's who in construction, be in Cleveland January 17th.

The capital stock of the Hutchinson Lumber Company, which is building a sawmill, box factory and veneer plant in Oroville, has been increased from $2,000,000 to $3,000,000. The increase stock follows a meeting of the company's board of directors in Huntington, W. Va., where the Hutchinson company also operates.

The Wood Manufacturing Company, 1617 McGarry street, Los Angeles, is in the market for machine carved mouldings.

H. G. Weeks has been appointed chief of the Transportation Division of the Railroad Commission with the title of Transportation Engineer. The Transportation Department is newly organized on a basis similar to the gas and electric, hydraulic and telephone divisions of the commission.

The Western Lumber Co., Tenth and B streets, Sacramento, advises one to "Build Your Own Home" and declares that "rent receipts do not even make good kindling wood." The story is carried to the people in an eight-by-ten-inch advertisement in the Sacramento Bee.

LUMBER RATE REDUCTION IS ANNOUNCED

H. K. Faye, traffic manager, Western Pacific Railroad, announces that the Western Pacific, in conjunction with its eastern connections, will publish the following reduced rates on lumber to the East:

From San Francisco, Oakland and other coast group points:

To Cincinnati, Detroit and points taking the same rates, 85c.

Buffalo, Pittsburg and points taking the sames rates, 88½c.

New York, Boston and points taking the same rates, 90c.

The rates from the Hawley, California, group will be 3c less than the rates applying from the coast group.

Rates on shingles, straight carload, will be 13½ per 100 pounds higher than the rates on lumber.

The lumber rates will also apply on inside finishings, door, window and screen frames, plain or wired; panels and veneering.

The California lumber mills have had up with the carriers for some time the question of getting some reduced rates to the East, and knowing that these mills should have some assistance from the carriers, the Western Pacific Railroad announces these reduced rates, which should have a very beneficial effect on the lumber movement.

FEDERAL HOME BUILDING CORPORATIONS SOUGHT THROUGH BILL

Federal home building corporations may be incorporated if H. R. 8645, a bill introduced on October 12, by Osborne of California, becomes a law. The appointment of a commissioner of such corporations is also provided for in the bill, which would be known as the Federal Home Building Corporation Act. The purpose is: to provide homes for persons of small means, to lease apartments, to develop land into building sites, and to encourage thrift and saving on the part of wage-earners and other persons of small means by issuing and selling installment stock, payable $1 per share per month, to be applied at any time on the purchase of a home. The amount of capital stock, it is proposed, would be $1 for each inhabitant of the city or town, but with a minimum of $25,000, and a required maximum of $300,000 in cities of 300,000 or more inhabtiants, although it might exceed that amount in proportion to the actual population. The bill was referred to the House Committee on the Judiciary.

BUILDING PROGRESS AT DELHI COLONY

Dr. Elwood Mead, professor of Rural Institutions, University of California College of Agriculture, has announced a report on the building progress at Delhi by Max E. Cook, farmstead engineer of the Delhi State Settlement. The report covers the work carried on by Mr. Cook in making plans and supervising the construction of settlers' homes and other buildings on the settlement. The Delhi building record for the sixteen months includes 284 structures with a total cost of more than a quarter of a million dollars. During the building period a building was completed every one and three-quarters days. The supervision and erection of most of the buildings was under the direction of the state board, which saved the settlers time and money. Mr. Cook estimated a saving of 12½% of the cost by allowing the board to let the contracts.

Highway Construction in Thirty States Will Employ 150,000 Men

Construction of highways to the total value of $76,400,000 covering 6,261 miles and employing more than 150,000 workers, is about to be undertaken in thirty states, as the direct result of the recent passage of the Federal Highway Act, it was stated here today. This is the act which was recommended by the President's Conference on Unemployment as an emergency measure to provide jobs for the nation's unemployed.

The figures as to the amount of work which could be undertaken by the states in the construction of highways were supplied by the Governors in response to letters sent them by Secretary Hoover, who is chairman of the Conference. The letters asked what amount of work they could get under way within a period of 90 days after the passage of the act. Otto T. Mallery, secretary of the Public Works Committee of the Conference, announces the sums which the states could appropriate individually for highways, together with the mileage it would cover, and approximately the number of workers to be employed for the next five months on the undertakings.

According to the act, which created a fund of $75,000,000 to be apportioned among states taking advantage of the 90 days period, each state will be entitled to receive, on the basis of the value of its work, its specified Federal allotment. Part of this allotment is available now and part will be available January 1. These amounts are, of course, in addition to the allotments received by states under the provisions of former Federal Aid acts.

Estimates show that $40,000 will be the average amount per mile expended by the states. When the work is completed and approved by the Federal inspector, the state will receive back from the Government about $20,000 per mile.

How this state undertaking will affect the general condition of unemployment can be estimated from the replies received here from Governors. Texas can employ 13,500 workers on a $8,000,000 road-building job, covering 700 miles within the 90 days required. Georgia cam provide 9,000 men with jobs on a $5,000,000 undertaking, covering 360 miles of roads. Indiana can use 5,800 men; Michigan, 5,600; Ohio, 5,300; North Carolina, 5,000; Minnesota, 4,350; Louisiana, North Dakota, South Dakota and Mississippi, 4,000 each.

"Directly and indirectly, probably 200,000 workers will be employed in state highway construction," Col. Jas. B. McCord, engineer of the Bureau of Public Roads, says. "This means that in addition to those directly engaged in road building, there will be a large number indirectly set to work providing material for the builders." These, Col. McCord said, would be employed in quarries, cement mills, sand banks, asphalt plants, gravel pits and shops manufacturing road-building materials and tools.

States which have reported inability to take up road construction because of preventive weather conditions are: Connecticut, Iowa, Maine, New Hampshire, New York, and Wisconsin. Several have been unable at present to meet the Federal appropriation with state funds. In other cases, no reply has been received here from the Governors.

Col. Arthur Woods, chairman of the Committee on Civic and Emergency Measures of the Conference, has forwarded to the states undertaking road construction information concerning the allotment they will ultimately receive from the Federal Government.

NEW STEEL MAKING PROCESS DESCRIBED

Manufacture of steel from iron ore by the "direct process" which would involve the use of atomized fuel oil, or powdered coal, was described before the American Iron and Steel Institute in New York.

The "direct process' which would involve the use of fuel oil, or powdered coal was described before the institute by A. E. Bourcound, a New York engineer, who has been conducting exhaustive tests for some time. He declared the "direct process' had a reasonable change of "industrial existence," and that, properly conducted the work could be done at a price which could compare favorably with the cost of manufacturing steel under methods generally followed heretofore.

The process described by Mr. Bourcound differs from the blast furnace process in that the latter involves the use of reduction gases formed in the charge of coke in the furnace, while Bourcound's method contemplates the use of reducing gases projected against the mass of ore contained in a furnace of special design. Federal experts, it was stated, have found the process theoretically sound.

It was pointed out by the speaker that the "direct process" would open possibilities for the development of a steel industry in regions where blast furnace operations are almost impossible because of the cost of supplying coal to plants. California iron ores could be smelted in that state by the use of fuel oil and the Pacific coast could look forward to the building up of a local steel industry.

ELECTRICAL DEVELOPMENTS IN CHINA

Four electrical undertakings, the Far Eastern Review reports, have recently been registered with the Chinese Ministry of Agriculture and Commerce, namely, the Shou-shing Telephone Co., Shou-shing, Chekiang; the Jui-An Electric Light Plant, Sun-an, Chekiang; the Chowshan Electric Co., Chowshan, Chekiang, and the Sun Fong Electric Co., Kiangsu. Other electric companies that have been organized are the Yau Tai Electric Light Co., at Tai Hsin, Kiangsu, and the Sing Yang Electric Light Co., of Sing Yang, Honan.

The same publication also states that Chen Yi-hee, president and organizer of the Sunning Railway, expects to organize a company with $2,000,000 capital to develop a water-power project near the town of Sunning. As was the case in the construction of the Sunning Railway, it is proposed to secure the money for this water-power enterprise from former officials of the Sunning district who are now living in the United States.

As soon as the necessary capital has been fully subscribed, it is planned that contracts for the equipment will be placed immediately.

Building News Section

APARTMENT HOUSES

To be Done by Day's Work.
APARTMENTS $45,000
SAN FRANCISCO. S Washington 137 W Leavenworth.
Three-story and basement frame and stucco apartment house (12 4-room apts. and garage for 12 cars.)
Owner—A. Bottaro, 1630 Polk St., San Francisco.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Contract Awarded.
ADDITIONS Cost, $20,000
SAN FRANCISCO. No. 2444 Great Highway.
Addition for apartment house.
Owner—Hrs. Harvey Dale, 2484 Great Highway, San Francisco.
Architect—None.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco.

Plumbing and Heating Being Figured. Bids Close Nov. 23, 1921, 3 P. M.
APARTMENTS Cost, $525,000
SAN FRANCISCO. NW Washington & Gough Sts.
Seven-story and basement reinforced concrete apartments.
Owner — Two Thousand Washington Street, Inc.
Architect—C. A. Meussdorfer, Humboldt Bank Bldg., San Francisco.
The Butte Electric & Mfg. Co., 534 Folsom St., has been awarded a contract for the electrical work.

Plans Completed.
APT. HOUSE Cost, $100,000
SAN FRANCISCO. S Geary 56 W Shannon.
Five-story and basement reinforced concrete stores and apartment house.
Owner—O. H. Curtaz, 150 7th St.
Plans by owner.

To be Done by Day's Work.
APARTMENTS Cost, $30,000
SAN FRANCISCO. S California 97 W Commonwealth Avenue.
Three-story and basement frame (9) apartments.
Owner—H. C. Keenan, 300 Webster St., San Francisco.
Architect—None.

To be Done by Day's Work.
APT. BUILDING Cost, $40,000
SAN FRANCISCO. W. Leavenworth 100 N. Bush.
Four-story and basement brick (16) apartments.
Owner—Jas. Welsh, 594 20th Ave.
Architect—Not given.

BANKS

Contract Awarded.
ALT. & REPAIRS Cost, $20,450
BAKERSFIELD, Kern Co., Cal. Baker and Sumner Sts. (Metropole Hotel Bldg.).
General alterations and repairs for banking quarters.
Owner—Bank of Italy.
Architect—Orville L. Clark, Brower Bldg., Bakersfield, Cal.
Contractor—Currie & Dulgar, 2727 "I" St., Bakersfield, Cal.

Wm. Eissler, Bakersfield, submitted the only other bid at approx. $26,000. Bids for the fixtures will be taken in the immediate future.

Contractor Taking Sub-Figures.
ALTERATIONS Cost, $100,000
SAN FRANCISCO. N. Market W. of Kearny.
Extensive alterations for bank.
Owner—Bank of Italy.
Architect—C. E. Gottschalk, Phelan Bldg.
Contractor—Grace & Bernieri, Claus Spreckels Bldg.
Figures are being taken for electrical work, heating, glass, reinforcing steel and structural steel. In about 10 days figures will be taken for the marble, painting and ornamental iron work.

BONDS

FAIRFIELD, Solano Co., Cal.—Until Dec. 5 bids will be received by County Supervisors for purchase of $10,000 bond issue of Hunter School District; proceeds of sale to finance construction of a new school building.

ORLAND, Glenn Co., Cal.—Trustees of Orland High School District contemplating a new bond election to finance construction of a school building. It is proposed to cancel the present $22,000 issue and another election called for a $40,000 issue to provide facilities for the growing attendance. W. H. Weeks, 369 Pine St., San Francisco, is the architect.

SAN JOSE, Santa Clara Co., Cal.—An election will be held December 10, in Penetencia Union School District to decide the question of issuing and selling bonds of $100,000 to finance construction of a new school building. Trustees of the District are: Albert M. Foster, J. S. Rodrigues Jr., Mabel L. Wheman, Maude Borchers and J. C. Gordon.
Wolfe & Higgins, Auzerais Bldg., San Jose, are the architects.

SACRAMENTO, Cal.—Bank of Italy, accepting $393,840 of the $400,000 bonus voted by the Legislature, awarded the sale of the Capitol extension bonds amounting to $2,860,000.

LOS ANGELES, Cal.—An election will be held in Municipal Improvement District No. 12, Feb. 20 to vote on issuing $500,000 bonds to defray part of cost of constructing proposed Pacoima dam.

OROVILLE, Butte Co., Cal.—Supervisors have sold the remaining portion of county highway bond issue, $1,234,400, to Bank of Italy of San Francisco. Harry H. Hume, County Surveyor.

OAKDALE, Stanislaus Co., Cal.—Trustees of Oakdale Union High School District propose to call another bond election to finance construction of a high school unit; estimated to cost $80,000.

HUNTINGTON PARK, Cal.—An election will be held Dec. 15 to vote on issuing $75,000 bonds for extensions to city water system, including new pipe lines, hydrants, valves, meters, wells and pumps.

RED BLUFF, Tehama Co., Cal.—Attorney General Webb refuses to approve $13,000 bond issue of El Camino School District and another election will be called. Proceeds of the sale of the bonds are to finance construction of a new school.

FRESNO, Fresno Co., Cal.—An election will be held in Washington Colony School District December 20 to decide the question of issuing bonds of $36,000 to finance construction of a new school building. Trustees of the District are: O. W. Ostrom, J. C. Jensen and Carl Alngren.

MADERA, Madera Co., Cal.—The Supervisors sell $11,000 bond issue of Ash View School District; proceeds of the sale to finance construction of a new school.

SELMA, Fresno Co., Cal.—The election held to vote bonds of $350,000 to finance construction of a group of high school buildings failed to carry. Temporary quarters will be erected through a direct tax, it is contemplated.

REDDING, Shasta Co., Cal.—City Council sells $40,000 bond issue to finance purchase of Pacific Gas and Electric Co.'s light distributing system.

MERCED, Merced Co., Cal.—Bonds of $12,000,000 have been voted in Merced Irrigation District to finance construction of dam, power plant and irrigation works. Estimates for the project are: Head works-dam at Exchequer, $3,763,000; relocating Yosemite Valley Ry., $2,043,000. Distributing system—canal and laterals, $1,224,000; repairs to Crocker Huffman canals, $100,000; new canal from Lake Yosemite, $198,000; booster plants, $120,000; booster laterals, $64,000. Purchase of Crocker - Huffman system, $2,225,000; power plant, $2,000,000; drainage pumps and canals, $200,000; total, $11,944,000. W. D. Wagner is secretary of the district.

CHURCHES

ELK GROVE, Sacramento Co., Cal.—Federated Community Church of Elk Grove has $25,313, the result of a campaign for funds to finance construction of a new edifice in this city. Early construction is expected.

Plans Being Prepared.
SYNAGOGUE Cost, $——
SAN JOSE, Santa Clara Co., Cal. S. 3rd and San Antonio Sts.
Marble and stucco synagogue.
Owner—Jewish Synagogue.
Architect—Binder & Curtis, 255½ S. 1st St., San Jose.

ARCATA, Humboldt Co., Cal.—Of the $10,00 required, St. Mary's Catholic Church has $6,000 on hand for constructing a new church building. An architect is yet to be selected.

FACTORIES & WAREHOUSES

RICHMOND, Contra Costa Co. Cal.—The following bids were received on November 21st by A. C. Faris City Clerk of Richmond for the construction of the super-structure of a wharf-shed adjoining Municipal Wharf No. 1.

All bids were taken under advisement until Wednesday

(A) Complete Structure:

1. With Wood Purlins and Wood Roof Sheathing and Brick Panels as per Plan 1.
2. With Wood Purlins and Wood Roof Sheathing and Brick Panels as per Plan 2.

W. G. Thornalley, Oakland (1) $58,197; (2) $58,597.
Lawton & Vezey, Oakland and San Francisco (1) $59,320; (2) $58,120.
M. E. Hopper & Son, Oakland (1) $59,-990; (2) $60,990.
P. M. Sanford, Richmond (1) $60,684; (2) $61,359.
Davidson & Nicolsen, San Francisco (1) $64,820; (2) $63,800.

(B) Complete Structure:

1. With 8" 18-lb. I Beams, M. P. Co. Roof Slabs and Brick Panel Walls as per Plan 1.
2. With 8" 18-lb. I Beams, M. P. Co. Roof Slabs, and Brick Panel Walls as per Plan 2.

P. M. Sanford (1) $——; (2) $58,126.
W. G. Thornalley (1) $74,349; (2) $74,-752.

(C) Complete Structure, with Hollow Tile Panel Walls, Wood Purlins and Wood Roof Sheathing.

Frank Ausez, 2022 Burbeck St., Richmond $55,309.87
Lawton & Vezey 55,620.00
M. E. Hopper & Sons 55,980.00
W. G. Thornalley 56,334.00
Davidson & Nicolsen 60,114.00

(D) Complete Structure, with Hollow Tile Panel Walls, 8" I Beam Purlins weighing 18 lbs. per foot, and M. P. Roof Slabs.

Frank Ausez $67,000
W. G. Thornalley 72,499

(E) Complete Structure, with Reinforced Concrete Panel Walls, Wood Purlins and Wood Roof Sheathing.

Frank Ausez $54,961.26
W. G. Thornalley 56,908.00
M. E. Hopper & Son 56,918.00
Lawton & Vezey 57,220.00
P. M. Sanford 61,000.00
Davidson & Nicolsen 62,300.00

(F) Complete Structure, with Reinforced Concrete Panel Walls, 8" I Beam Purlins weighing 18 lbs. per foot, and M. P. Co. Roof Slabs.

Frank Ausez $66,334.56
P. M. Sanford 67,860.00
W. G Thornalley 72,985.00

(G) Reinforced Concrete Columns, Beams and Coping, only.

P. M. Sanford ..... $ 4,880.00
Frank Ausez 6,140.68
M. E. Hopper & Son 7,265.00
Davidson & Nicolsen 13,600.00

(H) Reinforced Concrete Columns, Beams, Coping and Panel Walls.

Frank Ausez $12,051.78
P. M. Sanford 13,420.00
M. E. Hopper & Son 15,926.00
Davidson & Nicolsen 20,740.00

(I) 1. Brick Panel Walls only, as per Plan 1.
2. Brick Panel Walls only, as per Plan 2.

Jas. Walker, Richmond (1) $8281; (2) $8956.
White & Gloor, San Francisco (1) $9410 (2) $8190.
M. E. Hopper & Son (1) $10,063; (2) $10,856.
H. M. Larsen (1) $10,445; (2) $9625.
M. B. McGowan (1) $11,134; (2) $9287.

(J) Hollow Tile Panel Walls only.

Jas. Walker $5723
H. M. Larsen 6950
White & Gloor 6350
M. E. Hopper & Son 6683
M. B. McGowan, San Francisco ... 8690

(K) All Structural Steel in Place, Bolts, Anchors, Brackets, Cast Iron, etc. (Reinforcing Steel and I Beam Purlins not to be included.

Golden Gate Iron Works, S. F. ... $10,560
Western Iron Works, S. F. 12,148
S. F. Herrick 12,370
M. E. Hopper & Son 13,108
The Austin Co. 13,248
Shrader Iron Works 13,798
Minneapolis Steel & Mchy. Co. .. 14,539
Mathew Morton 15,650

(L) Steel I Beam Purlins 8"—18 lbs. per foot, in place.

Golden Gate Iron Works $8056
S. F. Herrick 8986
Minneapolis Steel & Mchy. Co. .... 89[illegible]
Shrader Iron Works 9096
The Austin Co. 9812
M. E. Hopper & Son 9854
Western Iron Works 9988

(M) Carpenter Work, Complete, with Wood Purlins and Wood Roof Sheathing.

Mathew Morton ..... $13,4[illegible]
M. E. Hopper & Son 13,900
F. M. Sanford 13,929
Carl Overaa 14,444
A. Wegner 14,800
H. H. Robertson Co. 17,355
McClenahan Products Co. 17,814

(N) The M. P. Co. Roof Sheathing, Drain Slopes, Skylight Curbs, Filler under Lintels and Steel Channel Supports for Ends of Sheathing, all in place.

H. H. Robertson Co. (combination bid N. & S.) $17,335

(O) Plumbing.—Rainwater Conductors, Roof Drains.

P. M. Sanford $396
Spiersch Bros. 119
Scott Co. 598

(P) Sheet Metal Work, Skylights and .. Glazing.

M. E. Hopper & Son $3292.00
Spiersch Bros. 3467.56
Guilfoy Cornice Co. 3483.00
W. Heidt Cornice Co. 3499.00
H. H. Robertson Co. 3850.00

(Q) Steel Rolling Doors and all Equipment for same, in place.

		Alternate
Waterhouse-Wilcox Co.	$3722	$3392
Abell Jensen Co.	3900	3385
M. E. Hopper & Son	4210	....
Pacific Materials Co.	4507	....

(R) Roof Covering over Wood Sheathing.

J. W. Bender Roofing Co. ..... $462[illegible]
Richmond Roofing Co. 4897
Johns-Manville Co. 5262

(S) Roof Covering (Alternate) over M. P. Co. Slabs.

H. H. Robertson (combination N. & S.) $17,335
Richmond Roofing Co. 2,739
J. W. Bender Roofing Co. ..... 3,000 alternate, $4188

(T) Painting.

Zeb Knott, Richmond $600
R. Zelinsky, San Francisco 890
Burden & Kirkhouse, Richmond ... 896

Grading Contract Awarded.
FACTORY Cost, $750,000
OAKLAND, Alameda Co., Cal. End of E-14th St. at City Limits.
Two-story reinforced concrete automobile factory with 4 wings (exterior dimensions about 800x800).
Owner—Durant Motors Co.
Structural Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Mechanical Engineers—Hunter & Hudson, Rialto Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.
The grading has been awarded to P. H. Hoare at $7,000.

Contract Awarded
STOR. WAREHOUSE Cost, $35,000
LOS ANGELES. Grand Ave S. Jefferson St.
Eight-story class "A" reinforced concrete storage warehouse 60x100.
Owner—Lyon Fireproof Storage Co.
Architect—E. L. Mayberry, Pac. Elec. Bldg., Los Angeles.
Contractor—Richards-Neustadt Const. Co., Trust and Sav. Bldg., Los Angeles.

Figures To Be Taken Shortly.
STORE & LOFT BLDG. Cost, $——
LOS ANGELES. NW Spring and Court Streets.
Two-story and basement class "A" store and loft bldg. 100x120.
Owner—Fred Hartsrite.
Architect—A. S. Nibecker, Jr., 421 Washington Bldg., Los Angeles.

Contract Awarded.
REBUILD OIL PLANT Cost, $20,000
CHICO, Butte Co., Calif. Nord Ave.
Rebuilding oil plant—Steel tanks, barrel racks, etc.
Owner—Standard Oil Co., G. H. Kennedy, Chico, Mgr.
Architect—Engineering Dept. of Owners, R. U. St. John, regional engineer, in charge of work.
Contractor—J. J. Brooks, Sacramento, Calif.

Working Drawings Being Prepared.
WAREHOUSE Cost, $40,000
SAN FRANCISCO. Corner 2nd and Stillman.
Two-story and mezzanine reinforced concrete warehouse.
Owner—Willard Storage Battery Co.
Architect—O'Brien Bros., 240 Montgomery St.

Three Low Bidders To Refigure.
SMOKE HOUSE BLDG. Cost, $——
SAN FRANCISCO.
One-story class "C" smoke house building.
Owner—Western California Fish Co.
Architect—O'Brien Bros., 240 Montgomery St.
Slight changes will be made in the plans and the three lowest bidders will be asked to refigure.

MARTINEZ, Contra Costa Co., Cal.—If Martinez will subscribe $40,000 worth of stock, the California Car Co. will locate its plant in this city, according to A. D. Bowen, president of the company. Temporary quarters of the company are located in Richmond. The plant will employ about 250 men at the start.

VALLEJO, Solano Co., Cal.—City Clerk Alf. E. Edgcumbe instructed to call bids for fur. and del. lumber for repairing Virginia street wharf. Separate bids will be asked for making the repairs. T. D. Kilkenny, City Engineer.

LOS ANGELES, Cal.—Dunn Williams Co. of San Francisco has purchased an L-shaped property at 7th and Hill Sts. from Arthur Letts and plans the erection of a Class A loft bldg. not less than 6-sto. in height. The property has a frontage of 100 ft. on Hill St. with a depth of 155 ft. with an L 8 ft. wide fronting on 7th St. A. C. Blumenthal & Co., Loew Theatre Bldg., Los Angeles agents.

LONG BEACH, Los Angeles Co., Cal.—Kimball Motor Truck Co., 1700 E. 9th St., Los Angeles, is having plans prepared by its own engineers for a manufacturing plant at Long Beach. Plans are being prepared for three units of which one will be erected at present. Fireproof brick or concrete construction, 60x300 ft.

SANTA ROSA, Sonoma Co., Cal.—County Surveyor R. Press Smith instructed to prepare plans for a warehouse in East Petaluma for storing county materials.

LONG BEACH, Los Angeles Co., Cal.—Red Seal Refining Co., H. L. Hagerman, treas., announces it will build $1,000,000 oil refinery in Long Beach on W. Anaheim St. at junction of Union Pacific and Southern Pacific roads.

FLATS

To be Done by Day's Work.
FRAME FLATS Cost, $12,000
SAN FRANCISCO. S Grove 56-3 W Ashbury.
Two-story and basement frame (4) flats.
Owner—W. L. Hemminga, 47 Ashbury St., San Francisco.
Architect—None.

Contract Awarded.
FLAT BLDG. Cost, $11,000
OAKLAND. N. E-14th 60 W. 2nd Ave.
Two-story 8-room frame flat bldg.
Owner—Mrs. F. V. Larsen, 1402 2nd Ave., Oakland.
Architect—Not given.
Contractor—Alex Sommarstrom, 109 Sunnyside Ave., Piedmont.

Contract Awarded.
FLAT BLDGS. Cost, $10,000 ea.
SAN FRANCISCO. E. 13th Ave. 150 & 175 S. Balboa.
Two 2-story and basement frame flat bldgs. (2 flats each).
Owner—H. C. Herning, 127 Perry St., and S. F. Dickes, 1242 Polk St.
Architect—None.
Contractor—Jas. Tarbitt, 386 Fair Oaks St.

Sub-Figures Being Taken.
FLAT BLDG. Cost, $15,000
SAN FRANCISCO. N Filbert E Polk.
Two-story and basement frame and plastered flat bldg. (four 4-room flats and garages).
Owner—M. Geggus.
Architect—W. C. Falch, Hearst Bldg., San Francisco.
Sub-figures are being taken for all parts of the work except carpentry, which will be done by day's labor.

Permit Applied For.
FRAME FLATS Cost, $10,000
SAN FRANCISCO. N Cabrillo 80 W 23d Avenue.
Two-story and basement frame (4) flats
Owner—H. T. Kanskoff, 262 Henry St., San Francisco.
Architect—None.

GARAGES

Contract Awarded.
GARAGE Cost, $19,940
OAKLAND, Cal. SW 7th and Clay Sts.
One-story concrete garage.
Owner—Jos. Rosenberg, Bank of Italy Bldg., Oakland.
Architect—None.
Contractor—Harry B. Williams, Bank of Italy Bldg., Oakland.

SANTA CRUZ, Santa Cruz Co., Cal.—Andrew Balich announces his intention to erect a concrete garage, 100 by 160 ft., in Front street. The structure will cost in the neighborhood of $25,000.

GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—The contract for installing mechanical equipment in the Public Health Service Hospital, Fort Bayard, New Mexico, has been awarded to S. Faith (Inc.), 2427 Penn Ave., Philadelphia, at $204,277; time to complete, 200 days.

MARE ISLAND, Cal.—Bids will be received until November 30, 1921, by the Public Works Office, Navy Yard, Mare Island, for two Dutch Bake Ovens 9'4"x12'0" for the Marine Barracks at Mare Island. **For further particulars see call for bids under official proposal column.**

WHIPPLE, BARRACKS, Ariz.—Wm. Simpson Construction Co., Marsh-Strong Bldg., Los Angeles, has been awarded a contract at $189,995 for erecting complete, except mechanical equipment, two semi-ambulant quarters, one double quarters for 1st class personnel and one quarters for married attendants for U. S. Public Health Service Hospital No. 50, Whipple Barracks, Ariz. Hollow tile construction, slate roofs. Four double quarters for officers are omitted at present but it is expected the contract for this work, amounting to about $76,000 will be awarded shortly as funds become available.

DENVER, Colo.—Until December 5, 2 P. M., bids will be received by U. S. Reclamation Service for furnishing metal flume, Specification No. 269-D, for the Uncompahgre project, Colorado, and the Lowe Yellowstone project, Montana-Dakota. For further particulars address U. S. Reclamation Service, Denver.

WASHINGTON, D. C. —Bids will be received until Nov. 30, 1921, by the Supervising Architect's Office for complete installation of mechanical equipment for one ambulant ward, one semi-ambulant ward and boiler house and laundry, also kitchen equipment, refrigerating apparatus for General Kitchen, Boilers, outside services, etc., at the U. S. Public Health Service General Hospital, Walla Walla, Wash. **For further particulars see call for bids under official proposal column.**

WASHINGTON, D. C.—Following bids were received Nov. 16 by the supervising architect, Treasury Department, for mechanical equipment in the U. S. P. H. S. H., Whipple Barracks, Ariz.:

Wm. Wilby, Selma, Ala., $99,800.
Noland-Clifford Co., Newport News, Va., $119,437.
G. E. Engineering Co. (Inc.), New York City, $147,300.
H. W. Bond & Bro., New Orleans, La., $146,406.
Charles E. Mundy & Co., Philadelphia, $121,500.

WASHINGTON, D. C.—The contract for the construction of infirmary group of three buildings (except mechanical equipment) at the U. S. Public Health Service Hospital, Fort Bayard, N. M., has been awarded to R. H. McKee, 1913 Texas St., El Paso, Texas, at $554,434.30. The work is to be completed in seven months.

BERKELEY, Cal.—The following bids were received on Nov. 1 by the custodian, U. S. postoffice, Berkeley, Cal., for fur. 2 parcel cases, 2 separating cases and tables, and 1 storage case at that building:

John E. Sjostrom, Philadelphia, $380, 45 days, bid accepted.
Maly & Son Co., Cincinnati, $428, 90 days.
John A. Lowander, Elizabeth, N. J., $473, 75 days.
Furnas Office Equipment Co., Indianapolis, Ind., $535, 60 days.
Jacob Beitzel & Sons (Inc.), York, Pa., $540, 90 days.
Federal Equipment Co., $586, 60 days.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, San Francisco, Calif., November 18, 1921.—SEALED PROPOSALS, in triplicate, will be received at this office until 11 A. M., November 28, 1921, for constructing a small brick incinerator at Fort Winfield Scott, Calif. Information on application.

WASHINGTON, D. C.—The contract for furnishing 71,000 board feet lumber and flooring for the Public Health Service Hospital at Houston, Texas, was awarded to Fields-Lutman Lumber Co., Houston, Texas, at $2,004.50; time, 10 days.

SAN FRANCISCO.—Until Dec. 1, 10 A. M., under Circular No. 22-29, bids will be received by Quartermaster Supply Officer, Fort Mason, for fur. and del. plate glass mirrors, mooring buoys, tool steel, kedge anchors, anchor chain, wire rope clips, 2 diving outfits, 24 laundry trucks, 96 swivel casters, etc., etc.

SAVAGE, Montana.—Until Dec. 29, 2 P. M., bids will be received by U. S. Reclamation Service, Savage, Montana, for the construction of structures on the main canal, main canal extension and laterals on the Lower Yellowstone project, Montana-North Dakota. The work involves the excavation for structures of about 6600 cu. yds. and 2500 cu. yds. of backfill, about 375 cu. yds. of puddling, about 680 cu. yds. of reinf. concr., about 530 sq. yds. of paving, the laying of about 600 lin. ft. of clay and metal pipe, the erecting of about 450 lin. ft. of metal flume, the placing of about 36,000 pounds of reinf. steel and the placing in timber structures of about 150,000 ft. board measure of lumber. The work is situated in the vicinity of the towns of Sidney, Savage, Ridgelawn, Nohle and Fairview, Mont., and Dore, N. D., on the Great Northern Railway. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Savage, Mont.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as moted at the end of each paragraph:

Schedule 9045, for various deliveries, seamless boiler tubes, Nov. 29.
Schedule 9050, for Mare Island, 9100 ft. steel wire rope, Dec. 13.
Schedule 9053, for Mare Island, bolts and nuts, Dec. 13.
Schedule 9056, for Mare Island, 15,000 ft. fire hose, Dec. 13.
Schedule 9065, eastern and western yards, 177 chain hoists, Dec. 13.
Schedule 9067, for Puget Sound, 13 relays, Dec. 13.
Schedule 9069, for Puget Sound, steel bolts and nuts, Dec. 13.
Schedule 9071, for Puget Sound, miscellaneous steel channels, Dec. 13.
Schedule 9074, for Mare Island, 30,750 lbs. steel boiler plates, Dec. 13.
Schedule 9076, eastern and western yards, 2 testing panels, Dec. 13.
Schedule 9087, for Mare Island, 13,500 ft. lamp cord and 2825 ft. lighting and power wire, Dec. 13.
Schedule 9090, for Mare Island, miscellaneous end mills, cutters, etc., Dec. 20.

HALLS AND SOCIETY BUILDINGS

SAN FRANCISCO. — Parkside District Club, affiliated with the Civic League of Improvement Clubs and Associations, is making campaign for funds to erect a community hall in the Parkside district.

SEATTLE, Wash.—Architects Frere hampney and A. H. Albertson, Seatle, preparing plans for $100,000 club uilding to be erected at 6th Ave. and pring St. for Women's University lub. Will be 3-stories, 62 by 120 ft., reproof construction.

HOSPITALS

SACRAMENTO, Cal.—The Sacraento County Supervisors received the ollowing bids on November 21st for he construction and completion of a 1) Service and Children's Ward building; (2) an Infectious Ward building; 3) a Women's Medical Ward building, nd (4) a Men's Medical Ward building n the present County Hospital rounds, City of Sacramento.

Bids were taken for hollow tile walls a) and brick walls (b).

Plans were prepared by Architect H. Herold, Forum Building, Sacramento.

. C. Keating, 1714 27th St., Sacramento (1) (a) $122,850; (b) $123,000; (2) (a) $88,460; (b) $88,460; (3) (a) $78,620; (b) $78,620; (4) (a) $74,100; (b) $74,100.

IcGillivray Constr. Co., Sacramento (1) $124,850; $124,350; (2, 3 & 4) $——

. McLeran Co., San Francisco (1) $134,800; (b) deduct $1300; (2) $91,500; (b) deduct $800; (3) $82,500; (b) deduct $800; (4) $77,500; (b) deduct $800.

lathews Constr. Co., Sacramento (1) $137,848, $136,248; (2) $95,900, $94,800; (3) $88,600, $87,500; (4) $82,577, $81,476.

. E. Parker Co., San Francisco (1) (1) $143,350, $139,350; (2) $90,786, $90,250; (3) $82,240, $81,740; (4) $76,800, $76,300.

Bids were taken under advisement.

HOTELS

reliminary Plans Prepared.
OTEL BLDG. Cost, $1,000,000
RESNO, Fresno Co., Cal. SW Inyo and "J" Sts.
en-story reinforced concrete hotel (300 rooms with clubrooms and sample rooms and roof garden).
wner—Sun-Maid Hotel Corp.
essee—H. W. Lake and Albert Bettens, Hotel Fresno, Fresno.
rchitect—F. L. Felchlin and H. Rafael Lake, Bank of Italy Bldg., Fresno.

The board of directors of the hotel orporation will include: W. A. Sutherland, Lesley Einstein, A. W. Bernauer, E. G. Hughson, W. F. Dunn, H. . Patterson, H. W. Lake and Albert ettens.

PUBLIC BUILDINGS

lans Awaiting Approval.
DDITION Cost, $40,000
ALO ALTO, Santa Clara Co., Calif.
dition to public library.
wner—City of Palo Alto.
rchitect—Birge Clark, Palo Alto.

Construction will not be started until fter March of next year. Bonds to nance construction have been voted.

lans Being Prepared.
IRE ALARM STATION Cost, $2,000
RESNO, Fresno Co., Cal. Intersection of Fresno, Divisadero and Howard Streets.
ne-story and basement concrete fire alarm station.
wner—City of Fresno.
rchitects Cleveland & Traver, Cory Bldg., Fresno.

Construction will be carried on under he supervision of City Commission of ublic Works. Wm. Stranahan.

MADERA, Madera Co., Cal.—Brown & Stafford, Madera, at $21,385 has been awarded a contract for constructing Madera City Hall and Fire House, from plans by Architects Swartz & Ryland, Rowell Bldg., Fresno. Bid includes face brick, tile flooring and metal lath on second floor. D. Stephenson, Madera, at $1,240 has been awarded a contract for plumbing and at $816 for installation of Arcola heating system.

SAN FRANCISCO—The Supervisors will shortly pass an ordinance authorizing the Board of Public Works to call bids for furnishing and installing electrical wires and conduit for additional feeds and plug outlets in the Exposition Auditorium. John Reid Jr., City Architect.

MARTINEZ, Contra Costa Co., Cal.—M. G. West Co., 115 Front St., San Francisco, at approximately $2300 has been awarded a contract by the Supervisors to furnish and install furniture in the office of the County Clerk.

RESIDENCES

Owner To Take Figures.
RESIDENCES Cost, $4500 ea.
OAKLAND. Maxwell Park, Lots 25 to 35.
Ten 1-story frame residences (5 and 6 rooms each).
Owner—Le Roy Shay, 2308 Telegraph Ave., Oakland.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., San Francisco.

Ready For Figures In a Few Days.
RESIDENCE, ETC. Cost, $10,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plastered 7-room residence and garage.
Owner—Miss H. Cohn.
Architect—W. C. Falch, Hearst Bldg.

Figures Being Taken From Selected List of Contractors.
RESIDENCE Cost, $35,000
PIEDMONT, Alameda Co., Cal. Crocker Avenue.
Two-story and basement frame residence with tile roof also garage.
Owner—H. D. Nichols.
Architect—Albert Farr, 68 Post St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $20,000
STOCKTON, San Joaquin Co., Cal.
One-story brick and stucco residence and double garage. (9 rooms).
Owner—Dr. J. Sterling Cochran, F. & M. Bank Bldg., Stockton.
Architect—Not Given.
Contractor—Joseph A. Plecarpo, 21 S-San Joaquin St., Stockton.
SPECIFICATIONS
Exterior Finish, stucco; Floors, tile; Interior Finish, Gray and White enamel.

Construction Started.
RESIDENCE Cost, $25,000
CLOVIS, Fresno Co., Cal.
Two and one-half-story brick and stucco residence (7 rooms, 3 baths, sleeping porches, etc.).
Owner—Mrs. Filemeno Ficiro, Clovis, Cal.
Designers and Builders—T. D. Andrews and Walter Jarvis, Clovis, Cal.

Contract Awarded
RESIDENCE Cost, $6998
Oakdale, Stanislaus Co., Cal.
Nine-room frame and stucco residence.
Owner—Enos Beehis, Oakdale.
Architect—Not Given.
Contractor—Miller & Livingston, Modesto.

To Be Done by Day's Work.
DWELLING Cost, $8000
SAN FRANCISCO. Valdez St.
One-story 7-room dwelling.
Owner—Walter E. Hansen, 2235 Market St.
Architect—Miss Ida F. McCain, 318 Kearny St.

To Be Done by Day's Work.
BUNGALOW Cost, $10,000
SAN FRANCISCO. Westwood Drive.
One-story and basement frame and plastered 8-room bungalow.
Owner—Gordon W. Morris, 132 Judson.
Architect—Miss Ida F. McCain, 318 Kearny.

To be Done by Day's Work.
BUNGALOW Cost, $7,000
SAN FRANCISCO. Montecito Ave., Westwood Park.
One-story 6-room frame and plaster bungalow.
Owner—C. Bean.
Architect — Miss Ida F. McCain, 318 Kearny St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $15,000
SAN FRANCISCO. S Jackson 90-3 W Spruce Street.
Two-story and basement frame residence.
Owner—Joe Goldstein, 5299 California St., San Francisco.
Architect — E. E. Young, 251 Kearny St., San Francisco.
Contractor—Fred R. Grannis, 2450 Steiner St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $6,000
STOCKTON, San Joaquin Co., Cal.
One and one-half-story frame residence.
Owner—Name withheld.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

Contract Awarded.
RESIDENCE Cost, $10,700
PIEDMONT, Alameda Co., Cal. Sheridan and Caperton Streets.
Two and one-half-story frame residence.
Owner—F. Macomber.
Architect—None.
Contractor—W. E. Whalm, 323 Lester Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $20,000
PIEDMONT, Alameda Co., Cal. Sea View and Union Streets.
Three-story frame residence.
Owner—A. H. Breed, Oakland Bank of Savings Bldg., Oakland.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor—S. B. Hall, 1546 Alice St., Oakland.

Contract Awarded.
RESIDENCE Cost, $12,000
PIEDMONT, Alameda Co., Cal. W Muir and La Salle Ave.
Three-story frame residence.
Owner—W. A. Riley, Hotel Oakland.
Architect—None.
Contractor—B. F. Kopf, 1015 82nd Ave., Oakland.

FRESNO, Fresno Co., Cal.—Until Dec. 3, 2 P. M., bids will be received by Oleander School District for furnishing five-room bungalow. **See call for bids under official proposal column in this issue.**

SCHOOLS

Plans Being Re-Figured. Bids Close December 3, 1921 1 P. M.
SCHOOL Cost, $88,000
SUTTER COUNTY. Center - Gaither School District.

One-story hollow tile school (3 rooms and an auditorium).
Owner — Center - Gaither Grammar School District.
Architects—George C. Sellon & Co., Mitau Bldg., Sacramento.
Segregated figures are being taken and plans may be obtained from the architect's office.
See call for bids under official proposal column.

Figures to be Taken Next Week.
SCHOOL Cost, $250,000
PETALUMA, Sonoma Co., Cal.
Two-story and basement reinforced concrete brick Junior High School.
Owner—Petaluma Board of Education.
Architect—Brainerd Jones, 110 Washington St., Petaluma.

Plans Being Figured—Bids Close Dec. 19, 1921.
SCHOOL Cost, $125,000
NAPA, Napa Co., Cal. Lincoln School Site.
Two-story reinforced concrete school.
Owner—Napa School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Plans may be obtained from the architect's office.

Figures To Be Taken Shortly.
SCHOOL BLDG. Cost, $95,000
LOS ANGELES. 52nd and Main Sts.
Two-story and basement brick (10-room) school bldg.
Owner—Los Angeles Board of Education.
Architect—Lester T. Squires, Douglas Bldg., Los Angeles.

MITCHELL, Ore. — Architects De Young and Roald, Spalding Bldg., Portland, preparing plans for two-story and basement 8-room concrete or stone school to be erected in this city. Bonds of $22,000 voted to finance construction.

OLIG, Kern Co., Cal.—Until Dec. 1, 11 A. M., bids will be received by J. M. Gwin, Clerk, Olig School District, for fur. and install. gas steam radiation system for Olig school, from plans of Architect Orville L. Clark, Brower Bldg., Bakersfield. **See call for bids under official proposal column in this issue.**

SAN FRANCISCO. — Mahony Bros., Flood Bldg., at $196,300 awarded contract by Board of Public Works for general construction of addition to Mission High School. Plumbing awarded to Scott Co., 243 Minna St., at $19,-889; heating and ventilating awarded to Helen Becker (bidding for James Nelson), 517 6th St., at $37,697; electric work to Standard Electric Constr. Co., Call Bldg., $18,965. John Reid Jr., City Architect.

CASTRO VALLEY, Alameda Co., Cal. Until Dec. 2, 7 P. M., bids will be received by J. C. Shaver, Clerk, Castro Valley Public School District, for constructing school building. Henry C. Smith, 785 Market St., San Francisco, architect. **See call for bids under official proposal column in this issue.**

FRESNO, Fresno Co., Cal.—Until Dec. 3, 2 P. M., bids will be received by Oleander School District for constructing Domestic Science building. Separate bids, same date, for furnishing five-room bungalow. **See call for bids under official proposal column in this issue.**

BERKELEY, Alameda Co., Cal.—Until Dec. 6, 4 P. M., bids will be received by Board of Education for constructing Jefferson school, from plans of Architect Wm. C. Hays, First National Bank Bldg., San Francisco. **See call for bids under official proposal column in this issue.**

SACRAMENTO, Cal.—Until Dec. 5, 5 P. M., bids will be received by Board of Education for fur. and del. approx. 500 movable school chair desks. **See call for bids under official proposal column in this issue.**

COLUSA, Colusa Co., Cal.—Trustees of Colusa Union High School District are seeking a site on which to erect a new high school building. No action will be taken regarding plans for the proposed structure until a site is selected. G. N. Farnsworth is president and W. L. Merrill, Secretary of the Board of Trustees of the District.

OAKLAND, Cal.—Petition has been filed with David E. Martin, County Superintendent of Schools, seeking formation of a new district in the San Lorenzo School District. After formation of the new district, it is proposed to erect a modern school building. The district, if formed, will be known as the Ashland School District.

CARSON CITY, Nevada.—Until Dec. 3, 2 P. M., bids will be received by Frank E. Meder, Clerk, Carson School District No. 1, Ormsby County, for reconstructing school building, destroyed by fire, from plans of Architects Geo. A. Ferris & Son, Reno, Nevada. **See call for bids under official proposal column in this issue.**

LOS ANGELES, Cal.—Macdonald & Driver, Douglas Bldg., Los Angeles, submitted low bid at $46,930 on general contract for Charter Oak school; John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, architect. Warner & Jones submitted low bid at $1598 on elec. wiring; Ora King, low bid at $3439 on plumbing; Alhambra Wall Paper & Paint Co., low bid at $2263 on painting and Ora King low bid at $1159 on heating. Bids taken under advisement. Seven rooms; reinf. concr. walls, plas. exter., comp. rf.

The bids were: **General Contract**—Macdonald & Driver, $46,930; Wopschall Bros., $47,356; Geo. F. Barber, $47,880; Frank Hudson, $48,169; Willard-Brent Co., $49,585; John Simpson Co., $50,990; J. D. Bannister, $52,672; J. S. Metzger & Son, $63,505. **Electric Wiring**—Warner & Jones, $1598; Hall & Son, $1725; Woodill-Patterson Co., $1767; Bashore Elec. Co., $2094. **Plumbing**—Ora King, $3439; F. B. Read, $3858; O. L. Cassidy, $4265; W. A. Johnsom, $4296. **Painting**—Alhambra Wall Paper & Paint Co., $2263; Arenz-Warren Co., $2993; D. Zelinsky & Sons, $3300; Frank E. Kaufman, $3750. **Heating**—Ora King, $1159; Potter-Strutz Rad. Co., $1416; Pemberton Heating Co., $3500.

STOCKTON, San Joaquin Co., Cal.—Until Dec. 7, 4 P. M., bids will be received by Ansel S. Williams, Secretary, Board of Education, for fur. and install. pupils' desks for McKinley school. **See call for bids under official proposal column in this issue.**

LOS ANGELES, Cal.—Willard-Brent Co., Baker-Detwiler Bldg., Los Angeles, was awarded general contract at $29,990 for erecting an addition and remodeling Gates St. school building. Other contracts were awarded as follows: Plumbing to Marshall-Lock Co. at $6104; heating to Marshall-Lock Co. at $1188, and painting to Arenz-Warren Co. at $2490. The present building will be raised and remodeled and a new first story and basement constructed underneath. Six new rooms, lavatories in basement; brick or concrete basement walls, frame construction above, redwood siding, 82x75 ft., steel beams, maple floors, marble work, fire doors.

LOS ANGELES, Cal.—Alex. Grant, 1202 W. 36th Pl., Los Angeles, was awarded the general contract at $69,-773 for erecting new 10th St. school bldg., Homer W. Glidden, archt. Other contracts were awarded as follows: Plumbing to G. C. Sutton at $6540 (award made on bid of $6750 with deduction of $200 for Nelson fixtures); heating to J. Hokom at $6274; and electric work to American Electric Constr. Co. at $2726.35. The bids for painting were rejected and the work will be re-advertised. Two-sto. and basement, 152x91 ft., 12 classrooms; brick const., plas. exter., tile ornamentation.

STORES AND OFFICES

Plans To Be Prepared.
CONCRETE BLDG. Cost, $——
SAN FRANCISCO. N. Market St. W. of Sansome.
Seven-story reinforced concrete bldg.
Owner—Wm. H. Crocker.
Architect—Willis Polk & Co., Hobart Bldg., San Francisco.

Owner Taking Figures.
MARKET ADD. Cost, $30,000
OAKLAND. Sixth, Washington and Clay Sts.
One-story brick addition to market.
Owner—Rohan, Roeth & Livingston, 514 Washington St.
Architect—Mr. Roeth.
The brick work has been awarded to W. J. Baccus, 221 Santa Clara St., Oakland, and the concrete and cement work to the California Builders, 1534 Franklin St., Oakland. Sub-figures are now being taken on all other parts of the work.

Plans Being Completed.
OFFICE BLDG. $——
SANTA ROSA, Sonoma Co., Cal. Adjoining City Hall.
Two-story reinforced concrete offices.
Owner—J. M. Whittingham, Santa Rosa, Cal.
Architect—William Herbert, City Hall, Santa Rosa, Cal.

Permit Applied For.
OFFICE BLDG. Cost, $60,000
SAN FRANCISCO. SW 2nd and Market Sts.
Three-story addition to 12-story class "A" office building.
Owner—West Coast Life Ins. Co.
Architect—Weeks & Day, Phelan Bldg.
Contractor—Macdonald & Kahn, 130 Montgomery.

Plans Being Figured.
OFFICE BLDG. Cost, $——
SANTA ROSA, Sonoma Co., Cal. Adjoining City Hall.
Two-story reinforced concrete offices.
Owner— J. M. Whittingham, Santa Rosa, Calif.
Architect—William Herbert, City Hall, Santa Rosa, Calif.

Plans Being Prepared.
STORE, ETC. Cost, $——
BERKELEY, Alameda Co., Cal. 2128-2130 Center St.
Four-story brick or reinforced concrete store and offices or apts.
Owner—Mr. and Mrs. H. W. Ennor.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Construction will not be started for about a year, when the leases expire.

Plans Being Figured.
STORE & APT. BLDG. Cost, $20,000
BURLINGAME, San Mateo Co., Cal. Burlingame Ave.

Two-story reinforced concrete store and apt. bldg. (2 apts of 2 rooms).
Owner—Harry Miller.
Architect—Chas. E. J. Rogers, Phelan Building.

Plans Being Prepared.
BUILDING Cost, $——
LOS ANGELES, Cal. Los Angeles St. between Fifth and Sixth Sts.
Five-story reinforced concrete building, 84x150.
Owner—Army and Navy Store.
Architect—W. J. Saunders, 229 Laughlin Bldg., Los Angeles.

Sub-Figures Being Taken.
MKT. & STORE BLDG. Cost, $50,000
OAKLAND, Cal. E. Broadway between 19th and 20th Sts.
One-story reinforced concrete market and store building (4 stores).
Owner—W. S. Mooney.
Architect and Contractor—M. I. Diggs, Easton Bldg., Oakland.

Bids In—Contract to be Awarded Shortly.
SALES ROOM Cost $10,000
SAN FRANCISCO. N Turk 181-3 W Polk Street.
One-story brick sales room.
Owner—S. Jacobowski, Care Architect.
Architect — Mel. I. Schwartz, 1202 Nevada Bank Bldg., San Francisco

Construction to Start Next Week—Sub-Figures Being Taken.
STORE BLDG. Cost, $61,000
BERKELEY, Alameda Co., Cal. Durant and Telegraph Avenues.
One-story brick store building
Owner—Frank J. Woodward.
Architect & Contractor—M. I. Diggs, Easton Bldg., Oakland.

Contract Awarded.
SALES ROOM Cost, $9,900
SAN FRANCISCO. N Turk 181-3 W Polk St.
One-story brick sales room.
Owner—S. Jacobowski, care Architect.
Architect — Mel. I. Schwartz, 1202 Nevada Bank Bldg., San Francisco.
Contractor—Theo. S. Hoin, 1739 Washington St.

Contract Awarded.
STORE BLDG. Cost, $50,000
SAN FRANCISCO. NW O'Farrell and Shannon Streets.
One-story and basement reinforced concrete store building, 96x112-6 (6 stores and garage in basement with tunnel under Williams St. There will also be a two-room apartment at rear of each store).
Owner—Dunn & Williams.
Lessee of Basment—Bohemian Garage.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor — Barrett & Hilp, Sharon Bldg., San Francisco.

The Observer.

(Continued from Page 4)

A giant redwood tree, 300 feet high, 19 feet in diameter, weighing 530 tons, containing 178,000 feet of lumber, and estimated by experienced lumbermen to be over 2,000 years old, was recently cut down by loggers of the Union Lumber Company in the California woods near Fort Bragg. It is claimed that this tree is one of the finest specimens ever recorded in the history of the logging industry. The two choppers used a 16-foot cross-cut saw and were a day and a half cutting down the tree. The tree was then cut into logs, loaded onto 40-ton flat cars and transported 10 miles to the saw mill.

According to the committee on construction industries of President Harding's Conference on Unemployment, the total construction shortage in the United States up to last March was estimated at between $10,000,000,000 and $20,000,000,000.

Prichard Bros., contractors of Fresno, announce the consolidation of Prichard and Prichard, gneral contractors of Albuquerque, New Mexico, with the Fresno organization.

The iron and steel industry reports a decrease of 37.8 per cent in the number of workers employed in October, as compared with the same month last year, according to the Department of Labor in a summary of the employment situation. Eight of fourteen representative industries reported increases, the largest being the woolen industry, which employed last month 52.5 per cent more than in October, 1920. Six of the fourteen industries reported increased payrolls as compared with the same period last year. The iron and steel industry report indicated a decrease of 67.6 per cent from October, 1920.

It is reported that a $25,000,000 steel company, headed by W. E. Creed as president, is figuring on buying the Noble Electric Steel Company's electrical iron smelter at Heroult, Shasta County. Several experts have been looking over the plant. The electric smelter has produced a great deal of steel of the finest quality in years past, the only trouble being to make it commercially profitable. The Creed Company, it is reported, will adopt the electrical process of reduction.

If Martinez will subscribe $40,000 worth of stock, the California Car Company, with temporary headquarters in Richmond, will establish a plant in Martinez employing about 250 men.

The Fort Bragg Municipal Plant, during the last year, cleared $5,736.66, according to a recent report. Receipts were $8191.91 and expenses and improvements, $2,454.25. Out of the profits $3000 was paid as interest on outstanding water bonds and $2000 worth of bonds were retired, leaving a credit balance of $737.66.

The F. E. Newbery Electric Co., engineers, contractors and dealers, announces the opening of an electrical appliance and phonograph store at 359 Sutter street. F. J. Lasar, manager, extends an invitation to the members of the building industry to look over the new quarters.

The paving plant of the Bakersfield Engineering Company, at Bakersfield, suffers $5,000 fire loss.

Walter Moore, Jr., has resigned as promotion engineer with the Portland Cement Association to become manager of the Southern California Chapter of the Associated General Contractors of America. Mr. Moore was formerly district engineer for the Los Angeles County Road Department.

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Official Proposals

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Trustees of the Central-Gaither Union School District, Sutter County, California, at the office of the County Superintendent of Schools, Yuba City, California, **until 1 o'clock P. M., Saturday, December 3, 1921,** for the erection of a school building to be built near Tudor, California, according to plans and specifications prepared for the same by George C. Sellon & Company, the authorized architects.

Bids will be received for the various branches of the work as follows: For the mason work and carpenter work combined; for the mason work; for the carpenter work; for the plastering; for the painting; for the roofing; for the sheet metal work; for the plumbing; for the heating; and for the electrical work.

Bids will also be received for the mechanical construction (including sheet metal work, plumbing, heating, and electrical work).

Plans and specifications can be seen during office hours at the office of the County Superintendent of Schools, Yuba City, California, and may be seen at or obtained from the office of the Architects, 202 Mitau Building, Sacramento, California.

A cash deposit of $25.00 will be required from all prospective bidders on all copies of plans and specifications loaned out, as a guarantee of the return of the same.

All bids shall be presented on blank forms, which may be procured at the office of the Architects.

Each bid must be accompanied by a certified check on some responsible California bank for a sum not less than ten per centum (10%) of the amount of the bid, made payable to C. H. Hartwig, Secretary of the Board of Trustees, as a guarantee of good faith that the party to whom the contract may be awarded will, within ten days after the award is made, enter into the necessary agreement and furnish the necessary bonds for the faithful performance of said work and in case the bidder to whom the contract is awarded fails or refuses to enter into said agreement, or to furnish said bonds, said check will be forfeited to the said School District in the manner provided by law.

Each bid must be enclosed in a sealed envelope and addressed to C. H. Hartwig, Secretary of the Board of Trustees, care County Superintendent of Schools, Yuba City, California, and endorsed "Proposal for building school."

The Board of Trustees expressly reserves the right to reject any or all bids.

By order of the Board of Trustees of Central-Gaither Union School District, California.

(Signed): C. H. HARTWIG,
Secretary.

BIDS WANTED FOR GAS STEAM RADIATION SYSTEM

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of School Trustees of the Olig School District, County of Kern, State of California, **up until 11 o'clock A. M., on the 1st day of December, 1921,** at the office of the Architect for said Board of School Trustees, said office located in the Brower Building, Bakersfiled, Calif., for the furnishing and installing of all gas steam radiation for the Olig School, according to the plans and specifications prepared by Orville L. Clark, Architect; said bids will be opened and considered at the next meeting held by the Board of School Trustees of the Olig School District.

Each bid shall be made out on a form to be obtained at the Architect's office and must be accompanied by a certified or cashier's check in the amount of ten per cent (10%) of bid made payable to the order of the Clerk of the Board of School Trustees of the Olig School District. Bids shall be sealed and filed with the Architect for said Board of School Trustees of the Olig School District at the above specified time.

The above mentioned check shall be given as evidence that the bidder will enter into contract if awarded the work and will be declared forfeited if the successful bidder refuses to enter into said contract after being requested to do so by the Board of School Trustees.

The Board reserves the right to reject any or all bids.

By order of the Board of School Trustees of the Olig School District.

J. M. GWIN, Clerk.
F. M. WATKINS.
L. C. GRAHAM.

BIDS WANTED FOR BAKE OVENS

NOTICE TO CONTRACTORS

SEALED PROPOSALS, indorsed "Proposals for Two Dutch Bake Ovens at the Marine Barracks, Navy Yard, Mare Island, California, Specification No. 4540' will be received at the Public Works Office, Navy Yard, Mare Island, until 11 o'clock A. M., November 30th, 1921, and then and there public'y opened for the construction of two Dutch Bake Ovens 9'4"x12'0", inside measurements. These ovens to be placed in battery. Drawings and specifications No. 4540 may be obtained on application to the Commandant, Navy Yard, Mare Island, California. Deposit of a check or postal money order for $10.00, payable to the Chief of the Bureau of Yards and Docks is required as security for the safe return of drawings and specification.

C. W. PARKS, Chief of Bureau.
November 16, 1921.

BIDS WANTED FOR SCHOOL DESKS

NOTICE TO CONTRACTORS

Notice is hereby given that the Board of Education of the Sacramento City School District will receive sealed bids for five hundred (500) or more moveable school chair desks. Samples of desks must be furnished the Secretary of the Board of Education, at the school store room, I street, between 10th and 11th.

A certified check in the sum of ten per cent (10%) of the amount of the bid must accompany each bid, which will be forfeited to the Board of Education, should the bidder fail to comply with his bid, if required to do so.

Allowance for used desks of the ordinary type will be considered by the Board in accepting bids.

All bids must be filed with the Secretary of the Board of Education, Room 300, City Hall, Sacramento, **not later than 5 o'clock P. M., Monday, December 5, 1921.**

The Board of Education reserves the right to reject any and all bids.

CHAS. C. HUGHES,
Secretary.

BIDS WANTED FOR SCHOOL AND BUNGALOW FURNISHING

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that the Trustees of the Oleander School District, Fresno County, will receive sealed bids to be **opened December 3, 1921, at 2 P. M.,** at the home of R. J. White on Maple avenue, near Oleander, for the following alternative propositions.

Proposition 1. The construction of a Domestic Science building, according to the plans and specifications, copies of which may be obtained from H. Barkema, Route D, Box 360, or

Proposition 2. The furnishing of an already constructed five-room frame bungalow, complete with bathroom and plumbing fixtures, to be moved onto the premises of the Oleander School and left in first class condition. Location of site to be designated by the Board of Trustees.

All bids to be accompanied by a certified check for 10 per cent of the amount of the bid. Checks to be made payable to the Clerk of the Board of Trustees of the Oleander School District.

In the event of acceptance of a bid, the successful bidder will within ten days execute a satisfactory contract for the construction of said building, or of furnishing said building under Proposition No. 2, and will provide satisfactory bond for an amount not less than 50 per cent of the contract price.

The Board of Trustees reserve the right to reject any and all bids.

H. BARKEMA,
PETER CHRISTENSEN,
P. J. WHITE,
Trustees of Oleander School District.

BIDS WANTED FOR SCHOOL

(One-Story Frame and Plaster, Six-rooms and Auditorium Structure)

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Trustees of the Castro Valley Public School District of Alameda County, California, for the construction of a public school building at Castro Valley, Alameda County, California, as per plans and specifications on file with the Clerk of said Trustees at R. F. D. 7, Box 257, corner Wilson Avenue and Parson Street, Castro Valley, or at the office of Henry C. Smith, the authorized architect, at 785 Market Street, San Francisco, California.

Plans and specifications can be obtained from the Clerk or Architect upon deposit of the sum of $10.00, which will be returned when said plans and specifications are returned in good condition to said Clerk or Architect.

Reference to plans and specifications are hereby made for bids required.

Blank forms for bidding will be furnished upon application.

Said bids will be received **up to and including Saturday, December 2nd, 1921, at 7:00 o'clock P. M.,** by the Clerk of said Board of Trustees at the Castro Valley Public School, Alameda County, California. Each bid must be accompanied by a certified check for the sum of ten per cent (10%) of the amount of the bid, conditioned on the successful bidder entering into the contract, the amount of said check to be made payable to Clerk of the Board of Trustees of the Castro Valley Public School District.

The Trustees reserve the right to reject any or all bids.

By order of the Board of Trustees, Castro Valley Public School District.

Dated at Hayward, California, November 15th, 1921.

(Signed) J. C. SHAVER, Clerk.
Board of Trustees, Castro Valley Public School District.

BIDS WANTED FOR MECHANICAL EQUIPMENT

INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 2, 1921.—SEALED PROPOSALS will be opened in the office of the Superintendent of Construc-

tion, U. S. Public Health Service Hospital, Walla Walla, Wash., at 12 o'clock, noon, Nov. 30, 1921, and in the office of the Supervising Architect, Treasury Department, Washington, D. C., at 3 p. m., Nov. 30, 1921, for the installation complete of the Mechanical Equipment for one ambulant ward, one semi-ambulant ward, and boiler house and laundry, also kitchen equipment, refrigerating apparatus for General Kitchen, Boilers, outside services, etc., at the United States Public Health Service General Hospital, at Walla Walla, Wash., in accordance with the drawings and specification, copies of which may be had at this office or at the office of the Superintendent of Construction, at Walla Walla, Wash., in the discretion of the Supervising Architect; Bidders may forward their bids to either place. Jas. A. Wetmore, Acting Supervising Architect.

BIDS WANTED FOR BRICK INCINERATOR

NOTICE TO CONTRACTORS

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, San Francisco, Calif., November 18, 1921.—SEALED PROPOSALS, in triplicate, will be received at this office until 11 A. M., November 28, 1921, for constructing a small brick Incinerator at Fort Winfield Scott, Calif. Information on application.

NOTICE TO CONTRACTORS FOR THE CONSTRUCTION OF ALTERATIONS AND ADDITIONS TO JEFFERSON SCHOOL, BERKELEY.

The Board of Education of the City of Berkeley and of Berkeley School District in the County of Alameda, State of California, invited and the undersigned will receive at his office, 2133 Allston Way, Berkeley, California, **up to the hour of 4 o'clock p. m., December 6, 1921**, sealed proposals for furnishing the necessary materials, tools and labor for the doing of certain work under segregated contracts as set forth below for the construction of certain alterations and additions at the Jefferson School situated on the corner of Sacramento street and Rose street, in Berkeley School District, in accordance with plans and specifications adopted by said Board of Education on June 15, 1920, and now on file in the office of the said Board of Education, 2133 Allston Way, Berkeley, California. Sealed proposals must be filed for each portion of the work as segregated and set forth below.

1. Excavating, Grading and Concrete work.
2. Carpentry and Millwork.
3. Lathing and Plastering.
4. Masonry and Tile work.
5. Electrical work.
6. Heating and Ventilating.
7. Plumbing.
8. Painting.
9. Shades and Linoleum.

Copies of said plans and specifications may be obtained from the offices of William H. Hays, 1325 First National Bank Building, San Francisco, California, upon depositing the sum of Ten (10.00) Dollars, and must be returned within seven days or the said deposit will be forfeited and turned into the treasury of the said Board of Education.

Bids must be on blank forms furnished by and obtained from said William C. Hays. Work on any of the above segregated contracts must commence within 48 hours from notification of the Board of Education to commence said work, and be diligently prosecuted until completion thereof, unless otherwise ordered by said Board of Education and the Architect.

The successful bidder will be required to furnish a surety bond acceptable to the Board of Education in a sum not less than twenty-five (25%) per cent of the contract price, guaranteeing the faithful performance of the contract; also a bond in a sum not less than fifty (50%) per cent of the contract price, guaranteeing the payment of all claims for labor employed or materials used in the construction of alterations and additions at said Jefferson School, as provided by an Act of the Legislature of the State of California entitled "An Act to Secure the Payment of Claims of Materialmen, Mechanics or Laborers Employed by Contractors upon State, Municipal or other Public Work, Approved March 27, 1897," and must carry adequate insurance or give bonds indemnifying the Board of Education against liability for compensation provided by "Workingmen's Compensation Insurance and Safety Act, approved May 26, 1913," satisfactory to the said Board of Education.

All bids must be accompanied by a cash deposit or a certified check on a responsible bank and payable to the Board of Education for an amount equal to ten (10%) per cent of the amount of the bid.

If the bidder to whom the contract is awarded shall for five (5) days after such an award fail or neglect to enter into a contract and file the required bonds for the faithful performance of the contract and the furnishing of materials and labor, the cash deposit or certified check of said bidder may be declared forfeited to the Board of Education and shall be collected and paid into the General Fund of said Board of Education.

The Board of Education reserves the right to reject any and all bids.

By order of the Board of Education of the City of Berkeley, County of Alameda, State of California.

CLYDE BLANCHARD.
Acting Secretary of said Board of Education.

BIDS WANTED FOR BROKEN STONE

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF ENGINEERING AND IRRIGATION

NOTICE TO CONTRACTORS

Sealed proposals will be received at the **Office of the Division of Engineering and Irrigation, 627 Forum Building, Sacramento, Calif., until 2 o'clock p. m., on December 19th, 1921** at which time they will be publicly opened and read, for the furnishing and placing of broken stone in accordance with the specifications therefor, to which special reference is made, for protection of the Sacramento River bank at the Edinger-Johnson place near Hood about 20 miles by river below the City of Sacramento.

Engineer's Estimate:
1723 cubic yards of broken stone.

The foregoing quantity is approximate only, being given as a basis for the comparison of bids and the Department of Public Works does not, expressly or by implication, agree that the actual amount of work will correspond therewith, but reserve the right to increase or decrease the amount as may be deemed necessary or expedient by the Division of Engineering and Irrigation.

All bids are to be compared on the basis of the engineer's estimate. Plans, forms of proposal, bonds, contracts and specifications may be obtained at the said office. No bids will be received unless it is made on blank form furnished by the Division. The special attention of prospective bidders is called to the Instructions to Bidders, annexed to the blank form of proposal with full directions as to bidding.

The Department of Public Works acting by and through the office of the Division of Engineering and Irrigation reserves the right to reject any or all bids and accept the bid deemed for the best interests of the State.

DEPUTY CHIEF OF DIVISION
Dated Nov. 19, 1921.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

Pursuant to an order of the Board of School Trustees of Carson School District No. 1, Ormsby County, Nevada made and entered on the 21st day of November, 1921, sealed bids for the fol- [illegible] the Carson City High School **up to 2 o'clock P. M. of the 3rd day of December, 1921:**

1. **For the reconstruction and completion**, except plumbing and heating, of the Carson City public school building recently damaged by fire, and in accordance with the plans and specifications on file with the Clerk of the Board of School Trustees at the office of the Principal, and as prepared and made by Geo. A. Ferris & Son, Architects of Reno, Nevada.

2. **For the reconstruction and completion** of the plumbing and heating for the above mentioned building and in accordance with the plans and specifications on file with the Clerk of the Board of School Trustees at the office of the Principal, and as prepared and made by George A. Ferris & Son, Architects of Reno, Nevada.

Copies of the above mentioned plans and specifications may be obtained from Geo. A. Ferris & Son, Architects, Colonial Hotel, Reno, Nevada.

The Board reserves the right to reject any and all bids.

BOARD OF SCHOOL TRUSTEES,
Carson School District No. 1.
By FRANK E. MEDER,
Clerk of Said Board.

Date of first publication, November, 21, 1921.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on December 19th**, at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

San Francisco and San Mateo Counties, between Sloat Boulevard and Sneath Road (IV-SF&SM-55-A), about seven and three tenths (7.3) miles in length, to be graded.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE
GEO. C. MANSFIELD
California Highway Commission
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. [illegible]
Secretary.

Dated November 21, 1921.

SEALED PROPOSALS

Cast Iron Water Pipe, Sleeves and Ells.

NOTICE TO CONTRACTORS

Bids on the following materials will [illegible] the [illegible] Street [illegible] Ninth and [illegible] streets **between the hours of Eight and Nine o'clock P. M. on Thursday, December 1, 1921.**

[illegible] Water Pipe [illegible] the Standards of the American Water Works Association) 12-ft. **lengths**

½ dozen 6-in. Cast Iron Solid Sleeves
½ dozen 6-in. Cast Iron 45-degree Ells, B and S.
½ dozen 6-in. Cast Iron 90-degree Ells, B and S,

All such proposals must comply with the requirements of the new Charter of the City of Sacramento, effective June 30, 1921, and bidders are hereby cautioned that no bid which fails to comply therewith can be considered.

Bids must be submitted upon printed forms with instructions prepared by the City, copy of which will be supplied free upon application to the undersigned.

A certified check made payable to the City Controller or a cash deposit for an amount not less than five per cent (5%) of the aggregate of the proposal must accompany each bid.

A faithful performance bond amounting to approximately twenty-five per cent (25%) of the amount of the contract will be required of the successful bidder, in accordance with provisions of said new Charter.

The foregoing proposal must state a lump sum for said material to be delivered F. O. B. Sacramento and the date on or before which delivery will be made.

The right to reject any and all bids is reserved to the City by provisions of the Charter.

M. J. DESMOND,
City Clerk of the City of Sacramento.

BIDS WANTED FOR REPAIRS TO CEMENT OIL TANK

NOTICE TO CONTRACTORS

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, San Francisco, Calif., Nov. 21, 1921.—SEALED PROPOSALS, in triplicate, will be received at this office until 11 a. m., Dec. 5, 1921, for repairs to cement oil tank at Fort Winfield Scott, Calif.

BIDS WANTED FOR DESKS

NOTICE TO BIDDERS

Notice is hereby given by order of the Board of Education of the City of Stockton that sealed bids will be received at the office of the Board of Education, San Joaquin and Lindsay streets, **up to 4 p. m., WEDNESDAY, DECEMBER 7TH, 1921,** for pupils' desks for McKinley school. Specifications on file at the Board of Education's office. The Board reserves the right to reject any or all bids.

Dated November 22, 1921.
By order of the Board of Education.
By ANSEL S. WILLIAMS, Secretary.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on December 12th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

San Joaquin County, between Tracy and a point ¾ miles easterly (III-SJ-5-A), about seven-tenths (0.7) miles in length, to be surfaced with asphalt concrete

Merced County, between ¾ miles northwest of Merced and Gerard Avenue (VI-Mer-4-A & C), about two and eight-tenths (2.8) miles in length, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENTS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on December 5,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Shasta County, across Anderson Creek near Anderson, and Canyon Creek and Oregon Gulch near Redding (II-Sha-3-A), three reinforced concrete girder bridges as follows: Across Anderson Creek, a bridge consisting of four spans of thirty feet each; across Canyon Creek, a bridge consisting of three spans of twenty-eight feet each; across Oregon Gulch, a bridge consisting of two spans of forty feet each.

Santa Clara County, between Morgan Hill and Gilroy (IV-SCL-2-C), about seven and nine-tenths (7.9) miles in length, to be surfaced with asphalt concrete.

Fresno County, between Selma and Kingsburg (VI-Fre-4-A), about three and seven-tenths (3.7) miles in length, to be paved with Portland cement concrete shoulders and an asphalt concrete wearing surface.

Los Angeles County, in two sections, the first near Castaic School (VII-LA-4-B), about four-tenths (0.4) miles in length, and the second between the south line of Section 21, T. 6 N., R. 17 W., S. B. B. & M., and 11 miles south of Liebre Mountain (VII-LA-4-B&C), about six and six-tenths (6.6) miles in length, a total distance of about seven (7.0) miles, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated November 7, 1921.
Eng 24.

BIDS WANTED FOR LIBRARY

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Clerk of the Board of Supervisors of the County of Kern **up to 10:30 A. M., Monday the fifth day of December, 1921,** for the furnishing of all materials and labor for, and the erection and completion of a one-story Branch Library Building at Wasco, California, and a one-story Branch Library Building at Maricopa, California, in accordance with plans and specifications on file with the said clerk and open for inspection of bidders. Bids will be received separately or as a whole. Plans and specifications may be had at the office of Charles H. Biggar, architect, 405 First National Bank Building, Bakersfield, California, and the work will be done under his supervision.

Certified check in the amount of ten per cent of the amount bid, must accompany each bid. Such check to be made payable to the clerk of the Board of Supervisors, County of Kern, Calif., and will be held as evidence of good faith that the successful bidder will enter into contract for the erection of the building and will furnish good and sufficient bond therefore.

The Board of Supervisors reserves the right to reject any and all bids and to waive any informality in any bid received.

By order of the Board of Supervisors of the County of Kern, made November 7, 1921.

F. E. SMITH,
County Clerk and Ex-officio Clerk of the Board of Supervisors.

APPROVE SITE FOR STATE TEACHERS' COLLEGE BUILDINGS

SAN JOSE, Santa Clara Co., Cal.—The new Industrial Arts and Home Economics Buildings of the San Jose State Teachers' College, for the construction and equipment of which $205,000 was authorized at the last session of the Legislature, will occupy 400 feet frontage on South Seventh St., directly to the rear of the present college buildings, and construction work will begin next February.

These decisions were arrived at as a result of a conference between Dr. W. W. Kemp, president of the college, and Dr. E. R. Snyder, State Commissioner of Vocational Education; Stanley B. Wilson, member of the State Board of Education, and J. S. Beswick, State Supervisor of Industrial Education.

Plans call for the erection of what will be practically two separate buildings, each two stories in height, connected by an archway facing San Antonio St. On the north side, on the lower floor, will be the Industrial Arts Department, separated into three distinct units.

HENRY C. WILLIS, ENGINEER, DIES IN BERKELEY

Henry C. Willis, consulting electrical and mining engineer, who installed the first electric lighting system in South America, died at his home in Berkeley, 1804 Grant street, November 21. Willis was born in New Jersey and was sixty years of age. Before coming West in 1906, he was manager of the installation department of the American Steel Wire Company of New York City. He spent fifteen years in Boise and Twin Falls, Idaho, and last Fall came to Berkeley to establish his home. A few months later he was stricken with his fatal illness. At the time of his death he was general manager, secretary and treasurer of the Sawtooth Dredging Company of Idaho.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SACRAMENTO, Cal. State Reclamation Board approves plans submitted by Sacramento County Supervisors for a bridge, 170 ft. long, over an arm of Snodgrass slough, about four miles east of Courtland. Drury Butler, County Surveyor.

LOS ANGELES, Cal.—P. B. Engh, 341 Pacific Elec. Bldg., was awarded contract at $10,400 for improving flood channel of Baliona Creek at Playa del Rey, 2000 ft., involving about 40,000 cu. yds. earthwork.

SANTA MONICA, Los Angeles Co., Cal.—Lycurgus Lindsey has asked permission of City Council to construct a pier 400 ft. wide and 1500 ft. long at the foot of Hollister Ave. It will cost $1,500,000.

OROVILLE, Butte Co., Cal.—No bids received by Supervisors for constructing suspension bridge over north Fork of Feather River near Pulga station on Western Pacific Road and work ordered done by day labor under supervision of County Surveyor H. H. Hume.

WILLOWS, Glenn Co., Cal.—Until Dec. 12, 10 A. M., bids will be received by W. H. Sale, County Clerk, for constructing reinf. concr. bridge, known as Highway Culvert, north of Willows in Road Dist. No. 1. Cert. check 10% required with each bid. Bayard Knock, County Surveyor.

SANTA ROSA, Sonoma Co., Cal.—Until Dec. 12, noon, bids will be received by W. W. Felt, Jr., County Clerk, for repair of wooden truss bridges across Dry Creek on Skaggs Springs road. R. Press Smith, County Surveyor.

GRASS VALLEY, Nevada Co., Cal.—City Trustees order Superintendent of Public Works Samuel Whiting to purchase reinforcing steel for the concrete bridge to replace the wood structure spanning Wolf creek in Empire street.

CALIFORNIA.—Following are approximate quantities of materials involved in the construction of three reinforced concrete bridges in Shasta County, bids for which will be opened by State Highway Commission, Ferry Bldg., Sacramento, December 5, 2 P. M., one across Anderson Creek near Anderson, and Canyon Creek and Oregon Gulch near Redding across Anderson Creek, bridge, four spans, thirty feet each; across Canyon Creek, three spans of twenty-eight feet each across Oregon Gulch, two spans of forty feet each, involves: 195 cu. yds. Class "A" concrete for bridge across Anderson Creek, 130 cu. yds. Class "A" concrete for bridge across Canyon Creek, 142 cu. yds. Class "A" concrete for bridge across Oregon Gulch, 155 cu. yds. Class "C" concrete for bridge across Anderson Creek; 108 cu. yds. Class "C" concrete bridge across Canyon Creek; 138 cu. yds. Class "C" concrete for bridge across Oregon Gulch. Contractor to furnish reinforcing steel in the form of bars cut to lengths, and bended.

FULLERTON, Cal.—City Clerk has been instructed to advertise for bids for new reservoir for water system; It will be 320x240 ft., lined with reinf. concr.; wood roof; about 18,000 cu. yds. excav. J. B. Lippincott, Central Bldg., Los Angeles, consulting engineer.

SACRAMENTO, Cal.—County Engineer Drury Butler is preparing specifications for Strauss bascule steel bridge at Upper Junction of Steamboat slough and Sacramento river; estimated cost, $75,000 and for Strauss bascule steel bridge over Sacramento river near Courtland; estimated cost, $150,000.

SANTA CRUZ, Santa Cruz Co., Cal.—No bids received by the Supervisors for constructing concrete culvert at Soquel. County Surveyor Lloyd Bowman instructed to do the work by day labor.

SANTA ROSA, Sonoma Co., Cal.—Until December 12, Noon, bids will be received by W. W. Felt Jr., County Clerk, for repairing bridge over Dry Creek on Skaggs Springs road. Project involves, 1, 12x12-32 R. O. P. end post; 160 2x2-16 R. W. bottom flood; 162 3x12-16 R. O. P. top floor, 12 1x1-24 R. W. stringers; estimated cost, $1,200. R. Press Smith, County Surveyor.

HERMOSA BEACH, Cal.—Hermosa Beach Land & Water Co. has filed application for a Federal permit to construct a wooden jetty 100 ft. beyond mean low water, with an L extending north 110 ft. The jetty will be located 210 ft. south of municipal pier.

IRRIGATION PROJECTS

REDLANDS, San Bernardino Co., Cal.—Orange growers in the Mentone and Crafton sections of Redlands have decided to form a company to construct works for irrigation of 1500 acres; cost $200,000. Water will be developed on Mill Creek cone and a larger tunnel will be constructed to replace present one.

EL CENTRO, Imperial Co., Cal.—Daniel W. Murphy has been appointed engineer to prepare plans and supervise construction of drainage works for which Imperial Irrigation District has appropriated $250,000.

Engineers and Contractors
PLEASE NOTE
We Carry in Stock Here and Sell at Eastern Factory Prices
Milburn Carbide Flare Lights
in Catalogue Sizes from 50 to 12,000
Milburn Oxy-Acetylene Welding and Cutting Apparatus
All Safety Appliances
As Required by Accident Commission
E. D. BULLARD
Distributor for
Alexander Milburn Co.
268 Market St., San Francisco
Phone Douglas 1118

CALIFORNIA.—Until Dec. 19, 2 P. M., bids will be received by Division of Engineering and Irrigation, 627 Forum Bldg., Sacramento, for fur. and del. 1723 cu. yds. of broken stone for protection of the Sacramento River bank at the Edinger-Johnson place near Hood about 20 miles by river below the city of Sacramento. **See call for bids under official proposal column in this issue.**

LIGHTING SYSTEMS

SAN MATEO, San Mateo Co., Cal.—Until December 5, 8:30 P. M., bids will be received by E. W. Foster, City Clerk, for installation of electrolier system, 65 cast iron single light standards, in portions of B St., Baldwin Ave., El Camino Real, 1st, 2nd and 3rd Aves., Railroad Ave., Main and A Sts., etc. Improvement Act 1911 and Bond Act 1915. Plans may be had from City Engineer G. S. Whitehead on deposit of $5.

MACHINERY

ANAHEIM, Orange Co., Cal.—Until 8 P. M., Dec. 8, bids will be received by City Clerk Edw. B. Merritt for 80 round cedar poles, 35 ft. long, with 7-in. tops. Cert. check or bond for 10%.

MODESTO, Stanislaus Co., Cal.—Following bids received by directors of Modesto Irrigation District for constructing another circuit on La Grange telephone line; for the exclusive use of the district: Lentz and Harrington $2793.45; F. E. Stewart, $3030.50. Percy Jones, chief engineer for district.

SACRAMENTO, Cal.—Until Dec. 1, 9 P. M., bids will be received by M. J. Desmond, City Clerk, for fur. and del. cast iron pipe. **For further particulars see call for bids under official proposal column in this issue.**

GLENDALE, Los Angeles Co., Cal.—Until 7 P. M., December 1, bids will be received by City Council for 15,000 lbs. No. 2-0 B. & S. medium drawn standard T. B. W. P. copper wire; 3000 lbs. No. 2 B. & S. hard drawn solid bare copper wire; 3000 lbs. No. 2, 7000 lbs. No. 4 [illegible] lbs. No. 6 [illegible] lbs. No. 8 B. & S. medium drawn [illegible] T. B. W. P. copper wire. Certified check or bond [illegible] A. J. Van Wie, City Clerk.

MODESTO, Stanislaus Co., Cal.—Until [illegible] A. M. bids will be received by Kathleen G. Prewhett, Secretary, Modesto City School District, [illegible] be had by addressing the [illegible].

SAN FRANCISCO.—Board of Public Works purchases from Edw. R. Bacon Co. [illegible] lengths for use on Hetch Hetchy project, $54.50 a ton, f. o. b. outgoing cars San Francisco.

VISALIA, Tulare Co., Cal.—City Trustees purchase from C. L. Best Co., of San Leandro, a tractor for use in

street improvements, $3,150. Immediate delivery. L. H. Gadsby, City Engineer.

TAFT, Kern Co., Cal. — Gundlach Plumbing Co., Taft., at $10,465 awarded contract by Trustees for fur. and del. 4-in. and 6-in. screw pipe.

RAILROADS

SEBASTOPOL, Sonoma Co., Cal.—City Trustees propose to call election to vote bonds for financing purchase of properties of Petaluma and Santa Rosa Electric Railway in this city. An option has been granted the city by the railroad company for 90 days, beginning November 11, for $20,000. An additional $5000 in bonds is being considered for improvement of the property.

FIRE EQUIPMENT

EUREKA, Humboldt Co., Cal.—Until Dec. 6, 8 P. M., bids will be received by A. Walter Kildale, City Clerk, for fur. and del. one gasoline driven, triple combination, pumping, chemical and hose car. Cert. check 10% payable to City Clerk required.

SANTA ROSA, Sonoma Co., Cal.—Until Dec. 6, 5 P. M., bids will be received by Vida McL. Doggett, City Clerk, for fur. and del. 1,000 ft. 2½-in. fire hose.

GLENDALE, Los Angeles Co., Cal.—Until 7 P. M., December 1, bids will be received by City Council for fifty 6-in. 2½-in. nozzle fire hydrants with 42-in. bury. Certified check or bond for 10%. A. J. Van Wie, City Clerk.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

ALHAMBRA, Cal.—Until Dec. 5, bids will be received by City Clerk for 81,000 sq. ft. light oiled macad. pavement. Plans and specifications may be obtained from city engineer.

BERKELEY, Alameda Co., Cal.—Until Dec. 2, 10 A. M., bids will be received by E. M. Hann, City Clerk, for improving Highland Pl. from Hearst Ave. to Ridge Rd. and north half of Hearst Ave. from La Loma Ave. to Highland Pl., comb. concr. curbs and gutters and 7 in. of concr. pavement. Imp. Act 1911.

Separate bids, same date, for improving Northside Ave. from Gilman St. to a point 220.81 ft. south; grading, redwood curbs, concr. gutters, macadamizing and surfacing with ash. road oil. Imp. Act 1911. C. L. Huggins, City Engineer.

YUBA CITY, Sutter Co., Cal.—Until Dec. 6, 10 A. M., bids will be received by Albert B. Brown, County Clerk, for constructing Knights Landing-Kirksville road from Knights Landing to Maddock; reinf. concr. or asph. macadam pavement, 15 ft. wide, 5 in. thick, 4.24 miles. Involves: 16,000 cu. yds. excavation, 200 lin. ft. culvert pipe (laying), 20 cu. yds. concr. culvert headwalls, 25 M. ft. B. M. timber bridges, 5,200 cubic yards reinf. concr. pavement (alternative "A"), 8,500 tons crushed rock base course (alternative "B"), 37,500 sq. yds. asph. wearing surface (alternative "B"). The county will furnish corru. pipes and cement for the above work.

Separate bids, same date, for Oswald Lateral; to be paved with waterbound macadam, 15 ft. wide, 4 in. thick; 2.12 miles. Involves (a) 3,000 tons crushed rock (unloading, hauling and spreading); (b) 2.12 mi. grading and 3,000 tons crushed rock (shaping, rolling and watering); (c) 2,500 tons crushed rock, ¾-in. by 1½-in., 500 tons crushed rock, ¼-in. by ¾-in. County to furnish crushed rock. Bids will be considered either separately or as a whole. Oscar Lanzendorf, engineer.

FRESNO, Fresno Co., Cal.—Leo Cardwell, Fresno, at $.21½ sq. ft. awarded contract by Council to construct cement sidewalks in Inez St. between Huntington Blvd. and Kern Ave. Wm. Stranahan, City Com. of Public Wks.

MERCED, Merced Co., Cal.—Until Dec. 6, 10 A. M., bids will be received by P. J. Thornton, County Clerk, for highway improvements near Delhi, Merced County. A. E. Cowell, County Surveyor.

MADERA, Madera Co., Cal.—Following is a complete list of bids received for constructing Madera sewer system, contract for which, as previously reported, awarded to W. J. Tobin, 527 Santa Ray Ave., Oakland.

Frederickson & Shannon, Fresno, using concr. manholes, (a) T & G cement, $46,226.29; (b) B & S cement, $45,951.62; (c) vitrified, $48,845.10; using brick manholes, (a) $46,435.89; (b) $46,161.22; (c) $49,054.70;

Pacific Construction Co., San Francisco, concrete manholes, (a) $62,356.02; (b) $61,287.24; (c) $64,275.60; brick manholes, (a) $62,356.02; (b) $61,287.24; (c) $64,275.60;

Cowden - Broderick Co., San Francisco, (no pumps), using brick manholes, (b) $56,562.70; (c) $58,205.40.

Pellagrino Co., concrete manholes, (c) $57,509.80; brick manholes, (c) $60,784.80;

Harron & Hayes, concrete manholes, (a) $51,552.98; (b) $50,695.76; (c) $52,933.20;

W. J. Tobin, concrete manholes, (b) $38,205.14; (c) $38,989.96; brick manholes, (b) $39,201.14; (c) $39,985.96.

Merced Concrete Pipe Co., Merced, (a) $46,079.90; (c) $50,529.60; brick manholes, (a) $45,970.90; (c) $50,420.60;

Borwick and Chase, concrete manholes, (b) $43,206.01; (c) $42,733.38; brick manholes, (b) $43,184.51; (c) $42,711.88.

Guy H. Chick, concrete manholes, (b) $55,283.01; (c) $55,283.01; brick manholes, (b) $55,283.01; (c) $55,283.01.

Frank Nikirk, City Engineer.

MODESTO, Stanislaus Co., Cal.—Until Dec. 14, 7:30 P. M., bids will be received by L. A. Love, City Clerk, for improving Stanislaus Ave. bet. Jefferson and Franklin Sts. by constructing cement concr. sidewalks.

Separate bids, same date, for improv. alley bet. 15th, 16th, G and H Sts. by grading, paving with 6-in. concr. O. P. curbs and headers.

Separate bids, same date, for improving alley bet. 15th, 16th, I and J Sts. by grading, paving with 6-in. concr. O. P. headers and curbs. Geo. Freitas, City Engineer.

MARYSVILLE, Yuba Co., Cal.—Property owners in Third St. bet. C and E Sts. petition Council to resurface cobble-stone pavement. W. M. Meek, City Engineer.

SACRAMENTO, Cal.—Until **Dec. 1, 9 P. M.**, bids will be received by M. J. Desmond, City Clerk, for improving 37th St. bet. Y St. and 4th Ave., concr. curbs and gutters, 6 concr. manholes, 13 C. I. gutter drains connected to sewer with 6-in. vit. pipe, 8-in. vit. pipe sewer, grading and paving with 5½-in. asph. concr. Imp. Act 1911. Cert. check 10% payable to city required. Albert Givan, City Engineer.

SAN FERNANDO, Cal.—Until Nov. 28 bids will be received by City Trustees for improving Porter Ave., about 880 lin. ft., by constructing Willite pavement 48 ft. wide, curb, sidewalk and gutter and ornamental lighting system.

CORCORAN, Kings Co., Cal.—F. L. Rhodes, Corcoran, at 23 cents sq. ft. awarded contract by Council to construct concr. sidewalks in Hall Ave. Only other bidder: Fisher and McNulty, Fresno, at $.23½.

SAN BERNARDINO, Cal.—Four mi. of dirt road from Euclid Ave. to entrance to Santa Ana Canyon will be paved by Supervisors after July 1, 1922.

FRESNO, Fresno Co., Cal.—Council rejects bids for paving Linden Ave., Lucerne, Pine, Yvonne and Carmen Aves. and Echo and new bids for the work will be asked under one project. Wm. Stranahan, City Comm. of Pub. Works.

CALIFORNIA.—The following bids were received by the State Highway Commission, November 21, for grading of 12 miles of highway in Mendocino County between Flynn Creek and the mouth of Navarro River, involving 180,000 cu. yds. excavation without classification; 450 cu. yds. Class "A" Portland cement concrete, (culverts and monuments; 1712 lin. ft. 12", 994 lin. ft. 15", 260 lin. ft. 18" and 692 lin. ft. 24" corrugated metal pipe; 800 lin. ft. 6" tile drain; 0.3 mile moving and resetting property fences; 436 monuments. Commission will furnish reinforced steel, pipe and cement.

J. P. Holland, S. F.	$170,239.00
Redmand-Page & Co., S. F.	171,176.00
Palmer & McBride	176,882.00
Pacific Constr. Co., S. F.	177,910.00
Grant Smith & Co.	179,163.00
J. W. Hard and L. Roy Hard, Ripon	182,699.40
R. McLeran Co., C. F.	188,492.00
Chadwick & Sykes	195,559.60
Bates & Borland, Oakland	198,300.50
W. J. Schmidt, Berkeley	218,500.00
A. J. Fairbanks, Willits	221,393.00
Shattuck Constr. Co., S. F.	235,692.00
Welsh & Costello, S. F.	238,792.00

Engineer's Estimate, $152,070.

MILL VALLEY, Marin Co., Cal.—Until Dec. 13, 8 P. M., bids will be received by Mill Valley Town Clerk for improving portions of Cascade Dr., Old Mill St., Josephine St., Eugene, St. Ethel and Molino Aves., etc., by grading, paving with 5-in. hydraulic concr. corru. pipe culverts, etc. Imp Bond Act 1915. J. C. Oglesby, Town Engineer.

SANTA ROSA, Sonoma Co., Cal.—Until Dec. 12, 12 M., bids will be received by W. W. Felt, Jr., County Clerk, for constructing Cazadero-Guerneville - Jenner highway. R. Press Smith, County Surveyor.

EL CENTRO, Imperial Co., Cal.—City Council has decided to lay 6-in. water main on Commercial St. bet. the railroad and Third St., with connections to other streets; work to be done under Vrooman Act.

LOS ANGELES, Cal.—Geo. R. Curtis, 2440 E. 26th St., Los Angeles, has been awarded a contract at $46,936.10 for improving Whitsett Ave. between Leesdale St. and Sherman Way, involving 130,410 sq. ft. grading to finished subgrade at 5c ft.; 130,110 sq. ft. concrete paving at 26c ft.; 65,090 sq. ft.

rough grading at 5c ft. and 65,030 sq. ft. finishing grade, oiling and rolling at 5c ft. R. A. Wattson submitted the only other bid at $59,190.73. Engineer's estimate, $48,565.19.

SAN ANDREAS, Calaveras Co., Cal.—County Surveyor W. S. Coulter preparing specifications for a proposed road beginning at the town of West Point and extending westerly and northwesterly for a distance of approx. 2 miles. The proposed road will intersect the so-called North Fork grade.

CALIFORNIA.—Clark and Henery Construction Co., Hearst Bldg., San Francisco, at $44,200 awarded contract by State Highway Commission for surfacing with asph. concr. 8.3 mi. of highway in Solano County.

FRESNO, Fresno, Cal.—Until Dec. 1, 3:30 P. M., bids will be received by R. Y. St. George, City Clerk, for improving portions of University and Moroa Aves. and Van Ness Blvd., etc., by grading, concr. curbs, gutters and sidewalks, corru. culverts, paving with 3½-in. asph. concr. base with 1½-in. Warrenite surface.

Separate bids, same date, for similar improvements in Echo Ave. bet. Belmont and Olive; Elizabeth bet. Forthcamp and Echo, and Dudley from Forthcamp to Echo.

Separate bids, same date, for improving M St. from Kern to San Diego by grading, concr. curbs and gutters, corru. culverts and paving with 5-in. concr. base with 1½-in. Warrenite-Bitulithic surface.

Separate bids, same date, for improving San Joaquin St. bet. Broadway and M by grading, concr. curbs and gutters, paving with 3½-in. asph. concr. base with 1½-in. Warrenite surface. Wm. Stranahan, City Comm. of Public Works.

SAN FRANCISCO—Fay Improvement Co., Phelan Bldg., at $66,843 has been awarded a contract by the Board of Public Works for improving Army St., between De Haro and Third streets. Project involves:

6361 lin. ft. of concrete curbs; 146,570 sq. ft. of asphaltic concrete pavement; 280 lin. ft. of 8-in. 665 lin. ft. 12-in., 1120 lin. ft. 15-in. and 280 lin. ft. 13-in. pipe sewer; 4 8-in., 8 12-in., 17 15-in. and 4 18-in. vitrified wye branches; 1000 lin. ft. 10-in. pipe culverts; 9 brick manholes and 29 brick catchbasins.

City Constr. Co., Call Bldg., at $8,347 awarded contract to widen Castro street between 17th and 19th streets, involving the resetting of 6 brick catchbasins; constructing 24 lin. ft. granite curbs; redress and reset 2240 lin. ft. granite curbs; 8,720 sq. ft. asph. concrete and 16,280 sq. ft. concrete pavement; 4400 sq. ft. artificial stone sidewalk, and re-setting 40 sewer traps.

City Constr. Co., Call Bldg., at $2,640 awarded contract for constructing 18,000 sq. ft. of roadway in Geneva Ave., between Waldbridge and County line.

FRESNO, Fresno Co., Cal.—S. B. Tombs, Fresno, awarded contract by Council to construct 6-in. vit. clay pipe lateral sewer in portions of blocks 321 and 349 at $.59 lin. ft.; manholes, $48 ea. Wm. Stranahan, City Comm. of Pub. Works.

LONG BEACH, Cal.—Plans and specifications have been completed by the City Engineering Department for the Pine Avenue storm sewer with a main line from Tenth St. to the ocean also for a storm sewer in 25th St.

SAN JOSE, Santa Clara Co., Cal.—County Surveyor Irving Ryder is preparing specifications for improving Mt. Eden road through Johnson property.

CALIFORNIA.—Until Dec. 19, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., Sacramento, for grading 7.3 miles of highway in San Francisco and San Mateo Counties, between Sloat Blvd. and the Sneath Rd. **See call for bids under official proposal column in this issue.**

FRESNO, Fresno Co., Cal.—Until Dec. 23, bids will be received by D. M. Barnwell, County Clerk, for paving 12 miles of county highway from east boundary of Sanger through Minkler and Centerville. Chris. P. Jensen, County Road Engineer.

PETALUMA, Sonoma Co., Cal.—City Council contemplates bond issue to secure funds for street improvements. It is proposed to improve all unimproved streets. Only $15,000 is available for street work between now and next July. N. S. Frost, City Engineer.

PETALUMA, Sonoma Co., Cal.—City Engineer N. S. Frost completes specifications for a sewer outlet in Cherry street through Peterson property; and is preparing plans for a sewer in Dana St. bet. Webster and Hill Ave.

CALIFORNIA.—Following are approximate quantities of materials required in the construction of highways, bids for which will be opened by the State Highway Commission December 5, 2 P. M.

7.9 miles in Santa Clara County, bet. Morgan Hill and Gilroy, invilving 5,210 tons of asph. concrete surface. Commission to furnish broken stone, sand, stone dust and asphalt cement.

3.7 miles in Fresno County bet. Selma and Kingsburg to be paved with concrete shoulders and asph. concrete wearing surface involves: 2,015 cu. yds. Class "A" cement concrete (shoulders and repairs to old base); 50 cu. yds. removal of broken concrete in existing base; 4,400 tons asphalt concrete surface; 3.71 miles grading earth shoulders. Commission will furnish, reinforcing steel, cement, sand and coarse aggregate for concrete and broken stone, sand, stone dust and asphaltic cement for asphalt concrete.

7.0 miles in Los Angeles, two sections, to be surfaced with asphalt concrete, involves, 10,240 tons asphalt concrete surface; 7.04 miles grading earth shoulders. Commission will furnish, broken stone, stone dust and asphaltic cement.

SAN PABLO, Contra Costa Co., Cal.—December 13 is the date set to decide the question of forming the San Pablo Sewer District in the section between Wildcat Creek and the north city limits of Richmond.

OROVILLE, Butte Co., Cal.—Until December 6, 2 P. M., bids will be received by C. F. Belding, County Clerk, for grading Section B, Route 25, Oroville and Bangor county road. Harry H. Hume, County Surveyor.

SAN FRANCISCO—Supervisor [illegible] Power presents resolution to the Board of Supervisors requesting City Engineer M. M. O'Shaugnessy to prepare estimates of cost for constructing subway in Market street from Ferry to Valencia street.

OAKLAND, Cal.—The Council approves specifications for the sewer in the west side of Broadway between Seventh and Twelfth streets. Geo. Mattis, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—Council approves specifications for grading and paving William street between Tenth street and Coyote bridge and for paving Santa Clara street from 26th to 27th street. Wm. Popp, City Engineer.

CALIFORNIA. The following are approximate quantities of materials involved in constructing 8.4 miles of highway in Santa Barbara County, between 2½ miles east of Naples and Canada de las Llagas and between Los Chiqueros creek and Gaviota creek, to be paved with concrete shoulders and asphalt concrete wearing surface: 5,225 cu. yds. Class "A" cement concrete (shoulders and repairs to old base); 425 cu. yds. removal of broken concrete in existing base; 11,000 tons asph. concrete surface; 8.41 miles grading earth shoulders. Commission will furnish reinforcing steel, cement, sand and coarse aggregate for concrete, and broken stone, sand, stone dust and asphaltic cement for asphalt concrete.

For constructing 2.3 miles of highway in Fresno County between Fresno and a point 2.3 miles northwest to be surfaced with asphalt concrete. Project involves: 4320 tons asphalt concrete surface; 2.27 miles grading earth shoulders. Commission will furnish broken stone, sand, stone dust and asphaltic cement for asphalt concrete.

Bids for these projects will be opened by the Commission, November 28, 2 P. M.

LOS ANGELES, Cal.—W. E. Hall, 286 Bandini Ave., Riverside, awarded contract at $52,250 for paving 1.4 mi. streets in Puente, Road Imp. Dist. No. 199, with oil macadam and constructing cem. curb and gutter.

SAN FRANCISCO—Barrett & Keefe have filed application with the Board of Supervisors for permission to construct a tunnel 12 feet wide under Shannon street between O'Farrell and Geary streets.

LOS ANGELES, Cal.—Until 10 A. M., December 5, bids will be received by the Los Angeles Board of Public Works for constructing a brick pump house at East San Pedro sewage screening plant. Plans may be obtained at office of city engineer, 405 S. City Hall Annex. Certified check or bond for 10% and affidavit of non-collusion required. H. B. Ferris, Secretary.

SAN BERNARDINO, Cal.—Until 7:30 P. M., Dec. 5, bids will be received by City Council for constructing 8-in. vit. pipe sewer in 10th St. bet. H and I Sts.; 1911 Act.

LODI, San Joaquin Co., Cal.—City Trustees contemplating the appointment of an engineer to submit a report and estimates of cost for sewage system. L. F. Barzellotti, City Engineer.

VALLEJO, Solano Co., Cal.—City Council orders construction of concr. sidewalks in various sections of the city; one job costing $12,500; another $1,569. T. D. Kilkenny, City Engineer.

FRESNO, Fresno Co., Cal. — Until Dec. 23 bids will be received by D. M. Barnwell, County Clerk, for constructing 4 miles of highway on Hanford Fowler road. Project includes the construction of seven bridges. Chris P. Jensen, County Surveyor.

VISALIA, Tulare Co., Cal.—Trustees petitioned by 50% of property owners to proceed with the paving of West Acequia St. bet. Court St. and Giddings Ave. City Engineer L. H. Gadsby instructed to prepare specifications.

BURBANK, Cal.—Until 7:30 P. M., Dec. 13, bids will be received by City Clerk F. S. Webster for following street work:

Magnolia Ave. bet. Eighth St. and Canyon Dr., 2250 lin. ft. to be graded and oil tamped; curb, sidewalks and rock gutter.

San Fernando Blvd. bet. Verdugo Ave. and east city limits, 2200 lin. ft., to be graded; curb, sidewalks and gutters.

Elmwood Ave. bet. 10th St. and Alameda Ave., 2000 lin. ft., to be graded and oil tamped; curb and rock gutter.

Tenth St. bet. Olive and Walnut Aves., 3400 lin. ft., to be graded and oil tamped; curb and rock gutter.

Plans and spec. on file at office of City Clerk. All work to be done under 1911 Act.

INGLEWOOD, Cal.—Geo. H. Oswold, 366 E. 58th St., Los Angeles, was awarded contract at $66,142.92 for 6-in. concr. paving on Market and Commercial Sts. bet. Los Angeles and Pimiento Sts., and portions of Regent and Queue Sts., involving 259,384 sq. ft. grading at 3c ft. and 259,384 sq. ft. paving at 22.5c ft. Fairchild-Gilmore-Wilton Co. also bid $66,142.92, their unit prices being 5c for grading and 20.5c for paving. Other bids were: Wells & Bressler, 4c for grading and 23.8c for paving; Rogers Bros. Co., 3.8c for grading and 25c for paving; Wm. T. Ellington, 4.5c for grading and 26.2c paving; Sander Pearson, 4.25c grading and 27.5c paving. Arthur Cory, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—As previously reported, bids will be received until Dec. 12, 12 noon, by W. W. Felt, Jr., County Clerk, for constructing Cazadero to Guerneville-Jenner Highway, Sec. A, in 5th Supervisor Dist. Project involves: 21,380 cu. yds. excavation without classification; 622 lin. ft. of 12" C. I. Pipe, hauling and laying; 50 lin. ft. of 15" C. I. Pipe, hauling and laying; 24 lin. ft. 81" C. I. Pipe, hauling and laying; 6,400 F. B. M. Redwood for Box culverts, in place; 3,800 lin. ft. 12" redwood log cribbing in place; 1,500 pounds ¾' drift pine. Total length of highway under layout 11,115 ft.; cost $25,458. R. Press Smith, County Surveyor.

SAN BERNARDINO, Cal.—Until 7:30 p. m., Dec. 5, bids will be received by City Clerk J. H. Osborn for the following street work:

Kingman St. bet. Mt. Vernon Ave. and lot 25, blk. 24, Rancho San Bernardino, to be paved with 4-in. cem. concr.; curbs; 1911 Act.

Fourth St. bet. B St. and Waterman Ave., to be paved with 4-in. oil macad.; cem. concr. pavement at intersection of A St.; concr. gutters; 1911 Act.

BURBANK, Los Angeles Co., Cal.—Until 7:30 P. M., Dec. 13, bids will be received by City Clerk F. S. Webster for grading and oiling and constructing cem. curb and sidewalks and rock gutter on 10th St. bet. Olive and Walnut Aves. and on Magnolia Ave. bet. Eighth St. and Sunset Canyon Dr.; two contracts under 1911 Act.

GLENDALE, Los Angeles Co., Cal.—Until 6:30 P. M., December 1, bids will be received by City Clerk A. J. Van Wie for the improvement of the following streets:

Harvard street, 1 block, involving 885 lin. ft. grading 30-ft. road, 26,634 sq. ft. oiling, 6696 sq. ft. walk, 1575 ft. curb, 1578 ft. 2-ft. cement gutter, laying 966 ft. 6-in. cast iron water pipe.

Maryland Ave., 1 block, involving 500 ft. grading 30-ft. road, 12,000 sq. ft. oiling, 9000 ft. walk, 1000 ft. curb, laying 530 ft. 4-in. cast iron pipe, installing 1 light ornamental light standards.

Chestnut street, 2 blocks, involving 13,000 ft. grading 86-ft. road, 47,784 sq. ft. oil paving, 13,104 sq. ft. walk, 2574 ft. curb, laying 676 ft. 4-in. cast iron pipe.

Plans and specifications obtainable at office of City Engineer C. L. Hill; certified check or bond 10%.

STOCKTON, San Joaquin Co., Cal.—Until Dec. 20, 4 P. M., bids will be received by Ansel S. Williams, secretary, Board of Education, for constructing sidewalks, gutters, curbs and pavement adjoining Jefferson school grounds. Cert. check 10% required with each bid. Spec. may be had from secretary of board.

VENICE, Los Angeles Co., Cal.—Until 8:30 P. M., December 5, bids will be received by the City Trustees for constructing 12-ft. concrete walks in Scott Ave., Pond Ave., Green Ave., and Hamilton Ave. between Ocean Ave. and Trolleyway and paving with 4-in. concrete Gage Court, Scott Court, Pond Court, Green Court and Hamilton Court, between Speedway and Trolleyway, all in Del Rey Beach; 1911 Act.

SAN BERNARDINO, Cal.—City Engineer C. E. Johnson has been instructed by Council to prepare preliminary plans for paving 17th and 18th Sts. between Arrowhead Ave. and F St. with parking and an ornamental lighting system in the middle of the roadway.

SACRAMENTO, Cal.—Following bids received by Supervisors for constructing concr. highway on portions of River Road:

W. A. Kettlewell & Sons, Oakland, (a) earthwork per cu. yd., $1.45; (b) concrete per cu. yd., $18.15.

A. Tiechert & Son, Sacramento, (a) $.60, (b) $16.25.

T. M. Burns, Sacramento, (a) $.80, (b) $19.40.

Byrne & Yost, Sacramento, Sec. 1, (a) $.40, (b) $17.38; Sec. 2, (a) $.50, (b) $17.89; Sec. 3, (a) $.50, (b) $18.92.

General Construction Co., (a) $.665, (b) $14.80.

Healy-Tibbitts Const. Co., S. F., (a) $.75, (b) $16.06.

Bids taken under advisement until Dec. 5. Drury Butler, County Surveyor.

SANTA BARBARA, Cal.—E. H. Hunt of Santa Barbara awarded contracts for paving following streets with 5-in. cem. concr. base and 1½-in. asph. wearing surface; Cottage Grove Ave. at $4571; De la Vista St., $3965; Alamar St., $13,289. Fairchild-Gilmore-Wilton Co. bid $4964.66 for Cottage Grove, $4468 for De la Vista and $15,073 for Alamar. A. L. Pendola bid $4861.49 for Cottage Grove, $4793.70 for De la Vista and $15,000 for Alamar.

OROVILLE, Cal.—Until Dec. 6, 2:15 P. M., bids will be received by C. F. Belding, County Clerk, for surfacing Sec. B, Route 25, Oroville and Bangor County bond road. As previously reported, separate bids will be opened on same date for grading this stretch. Harry H. Hume, County Surveyor.

PHOENIX, Ariz.—At the request of the National Surety Co., Ben J. Pearce will complete the contract of Dan La Roe for constructing the Phoenix-Glendale highway. Pearce was superintendent of construction for La Roe. This project is 7½ mi. long, to be paved with cem. concr. and 3 mi. have been completed. La Roe's inability to proceed with the contract is attributed to large enterprises in Texas which have suffered by the business depression and not to any of his construction work.

LOS ANGELES, Cal.—Geo. R. Curtis, 2440 E. 26th St., submitted lowest bid to County Supervisors at $47,362.20 for asph. concr. paving on College Ave. from Vernon and Downey Rd. south to Gallatin. Alternate bids were taken on Willite, for which Fairchild-Gilmore-Wilton Co. submitted lowest bid at $52,206.92. Bids referred to County Rd Com. Jones.

TUCSON, Ariz.—Borderland Constr. Co. has been awarded a contract at $38,265.05 for paving of Broadway and other streets with bitulithic.

PLACERVILLE, El Dorado Co., Cal. City Council votes to complete purchase of high pressure water system of El Dorado Water Company. Improvements to the system are planned.

WATTS, Los Angeles Co., Cal.—The opening of bids for paving Willow Ave. has been postponed until November 29.

SANTA BARBARA, Cal.—Until 7:30 P. M., December 1, bids will be received by City Clerk S. B. Taggart for grading and paving portions of Haley St., Cota St., Soledad St. and Castias Rd. with 5-in. cement concrete base and 1½-in. asphalt concrete top; combined cement curb and gutter, concrete driveways; 8 and 6-in. vitrified pipe sewers, 76 4-in. house connection sewers, dry rubble walls, 3 catchbasins and drains; 1911 Act.

ANHEIM, Orange Co., Cal.—Resolutions of intention for the following street work under 1911 Act were adopted by the City Trustees: Chartres St., east and west, to be graded and paved with concrete base and asphalt wearing surface; alleys running east and west in blocks N and B, Center Tr., to be paved with concrete.

OROVILLE, Butte Co., Cal.—Harry H. Hume, County Surveyor, recommends that the Supervisors enter into a contract with Natomas Rock Crushing Plant to furnish approximately 300,000 tons of crushed rock to be used in building county bonded roads. The material would be delivered in three years.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, Clerk, declares intention of constructing a sewer in Broadway from Second to Twelfth street, involving:

601 lin. ft. of 10", 279 lin. ft. of 12", 804 lin. ft. 14", 315 lin. ft. 16", and 851 lin. ft. 18" vitrified pipe sewer; 110 lin. ft. 10" vitrified pipe conduit; 1 drop connection; 50 Y branches; 4 manholes; 9 catchbasins; deepen 7 existing manholes; remove 2850 lin. ft. of existing sewer; remove 3 existing manholes, and remove 9 existing catchbasins. Geo. Mattis, City Engineer.

ANTIOCH, Contra Costa Co., Cal.—Until Dec. 12, 8 P. M., bids will be received by J. E. McElheney, Town Clerk, for paving intersection of Third and F Sts. Certified check for 10% payable to Board of Trustees required.

RIVERSIDE, Riverside Co., Cal.—Until 10 A. M., Dec. 12, bids will be received by Supervisors of Riverside County for constructing approach to Ehrenberg Ferry, involving about 88,000 cu. yds. excav., 1104 lin. ft. trestle bridge and 47 acres clearing. The earth work will be divided into 5 sections of approximately equal quantities and the trestle bridge into three sections. Bids will be taken on work by sections and as a whole. Cert.

check for 5%. Plans and spec. may be obtained from County Surveyor A. C. Fulmor. D. G. Clayton, County Clerk.

LOS ANGELES, Cal.—An ordinance of intention to improve 12th St. bet. Main St. and Union Ave. under Vroman Act adopted by Council. Work will include 12 reinf. concr. culverts and incidental thereto wings, manholes, 340 ft. curb, 4404 sq. ft. sidewalk, 1501 sq. ft. concr. gutter, 24,534 sq. ft. asphalt pavement, and [illegible] sq. ft. grading and oiling; also paving street intersections with 6-in. concr. base and 1½-in. asph. surface.

TURLOCK, Stanislaus Co., Cal.—A. Teichert & Son, Ochsner Bldg., Sacramento, at $73,042 awarded contract by Trustees for paving Florence, East Olive, Myrtle, Merritt, First, Sycamore and Landers Sts. Five bids received. Two lowest bids follow: Florence St.: Teichert & Son, $16,944; J. A. Costello, $17,720. East Olive St.: Teichert, $24,094; Costello, $24,599. Myrtle, Merritt Sts., etc.: Teichert, $32,004; Costello, $33,846. Horace Hall, City Engineer.

NEWMAN, Stanislaus Co., Cal.—Town Trustees declare intention to improve streets involving: 261,741 sq. ft. paving 3-in. black base, 1½-in. Warrenite; 132,753 sq. ft. paving 3½-in. black base 1½-in. Warrenite; 432,842 sq. ft. grading; 8186 lin. ft. comb. curb and gutter; 2519 lin. ft. gutter; 882 lin. ft. curb; 648 lin. ft. 24", 696 lin. ft. 20", and 540 lin. ft. 16" culvert; 19, 24" and 16, 27" manhole covers and seats; 8100 lin. ft. headers; 2410 sq. ft. 6" cement concr. pavement alley approaches; 162 sq. ft. 6" cement concr. drive; 20,430 sq. ft. 4" concr. sidewalk; 16, 4-ft. and 2, 6-ft. gutter bridges. 2440 lin. ft. 1" and 564 lin. ft. 1½" electric conduit.

NOTE:—Concrete cleanout boxes are included in total length of culverts. Estimated cost, $146,286.83. Protects will be heard Dec. 12. W. R. Sherman, Town Engineer.

BERKELEY, Alameda Co., Cal.—Council, E. M. Hann, City Clerk, declares intention to improve east half of Jefferson Ave. from Allston Way north 140 ft.; grading, comb. concr. curbs and gutters, macadamizing and surfacing with rock screenings. Imp. Act 1911. Protests Dec. 6. C. L. Huggins, City Engineer.

SAN FRANCISCO.—State Construction Co., 112 Lyon St., at $53,234 awarded contract by Board of Public Works for improving Balboa St. bet. 33rd and 42nd Aves., involving 104,010 sq. ft. asph. pavement; 12,865 sq. ft. basalt header blocks; 21,520 sq. ft. art. stone sidewalks; 4,810 lin. ft. concr. curbs; 17 brick catchbasins; 595 lin. ft. culvert.

Fay Improvement Co., Phelan Bldg., at $21,063 awarded contract to improve Jerrold Ave. bet. San Bruno and Napoleon, involving 1,660 lin. ft. concr. curb; 58,500 sq. ft. asph. concr. pavement; 8 brick catchbasins; 240 lin. ft. 10-in. culverts.

C. B. Eaton, 407 14th St., at $10,[illegible] awarded contract to improve Jules Ave. bet. Holloway and Grafton Ave., involving 532 cu. yds. cut; 1,178 cu. yds. fill; 1,200 lin. ft. concr. curbs; 10,000 sq. ft. concr. and 14,000 sq. ft. asph. concr. pavement.

City Construction Co., Call Bldg., at $2,018 awarded contract to improve crossing of Benton and [illegible] involving: 86 cu. yds. cut; 56 lin. ft. concr. curbs; 3 brick catchbasins; 8 lin. ft. culvert; 1,762 sq. ft. asph. concr. pavement, 216 sq. ft. art. stone sidewalks.

City Construction Co., at $1,293 awarded contract to improve Bennington St. bet. Ellert and Newman, involving: 31 lin. ft. granite curbs; 57 lin. ft. concr. curbs; 284 sq. ft. art. stone sidewalks; 2,561 sq. ft. asph. concr. pavement; 2 brick catchbasins. M. M. O'Shaughnessy, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Council, S. A. Evans, City Clerk, declares intention to sewer portions of Tobin St. Imp. Act 1911. Protests will be heard Dec. 13. James K. James, City Engineer.

BUSINESS OPPORTUNITIES

Wood Manufacturing Co., 1617 McGarry St., Los Angeles, Cal., is in the market for machine carved mouldings.

A. A. Orell, P. O. Box 412 Vallejo, Cal., desires to get in touch with electric welding plants in this city.

Kroeschell Bros. Ice Machine Co., 440 West Erie St., Chicago, Ill., wishes to get in touch with steamfitters or plumbers having facilities for installing pipe work.

Douglas J. Perry, Riddle, Ore., is seeking a market for piling and poles.

Too Late to Classify

Plans Being Revised.
HOUSES, ETC. Cost, $28,000 ea.
SAN FRANCISCO. N. Geary, E. Commonwealth Ave.
Three 3-story frame and plaster apt. house buildings, garages in rear (six 5-room apts. each).
Owner—T. D. Harter.
Architect—O. R. Thayer, 110 Sutter St.
Plans will be revised to add another story to each building. Bids were recently taken for two-story structures containing four 5-room apartments and the lowest bid submitted was for $55,000. New bids will be taken in January.

To Be Done By Day's Work.
APARTMENTS Cost, $15,000 ea.
BERKELEY. W S Ellsworth 60 & 110 S. Bancroft, Berkeley.
Two 2-story 18-room apartments.
Owner—Mathew Morton, 2411 Benvenue, Berkeley.
Architect—None.

Plans Being Prepared.
APARTMENTS Cost, $26,000
SAN FRANCISCO. Van Ness Avenue, Between Vallejo and Green Sts.
Three-story and basement frame, stucco and brick veneer apartment house (11 2-room apts.)
Owner—Withheld.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
SPECIFICATIONS
Floors, hardwood; Hardware, brass; Interior Finish, hardwood; Walls Beds

Working Drawings Being Prepared.
BANK-OFFICE BLDG. Cost, $——
OAKLAND. 1212 Broadway, at corner of 12th St.
Sixteen-story class "A" bank and office bldg. (addition adjoining present 8-story structure).
Owner—Oakland Bank of Savings.
Architects—[illegible]
It is planned to start construction in February of 1922.

Contract Awarded
[illegible] Cost, $4,250
LOS ANGELES. [illegible] 7th and 8th Sts.
Twenty-[illegible] work [illegible]

paainting, electric work, plumbing, hardware).
Owner—C. C. Brown Candy Co.
Architect—T. Beverley Keim, Jr., Haas Bldg., Los Angeles.
Contractor — Clarence Bean, Story Bldg., Los Angeles.
Finestra sash, automatic sprinkler system and waterproof flooring.

Commissioned to Prepare Plans.
CHURCH Cost, $——
PASADENA, Los Angeles Co., Cal., Herkimer and Lake Ave.
Hollow tile church, 70x165.
Owner—Universalist Church.
Architect—Fredk. Kennedy,, Jr. Chamber of Commerce Bldg., Pasadena.

Ready for figures Monday.
STORE-FLATS Cost, $4,500 ea.
SAN FRANCISCO. Mission Road near Crocker Tract.
Two 2-story frame and plaster store and flat buildings (store and bakery and two 4-room flats).
Owner—Name withheld.
Architect — Arthur G. Scholz, Phelan Bldg.

Contract Awarded.
FLATS Cost, $16,900
SAN FRANCISCO. NW Divisadero and Waller Streets.
Two two-story and basement frame and plaster flats (4 3-room flats).
Owner—Geo. Symons.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—J. S. Malloch, 189 Jessie St., San Francisco.

SAN FRANCISCO.—City Architect John Reid, Jr., has been instructed to prepare plans and specifications for a fire drill tower and fire house in West Portal District.

OFFICIAL PROPOSALS

NOTICE TO BIDDERS

At a special meeting of the Board of Trustees of the City of Placerville, California, held November 18th, 1921, the City Clerk was directed to advertise for the following dipped water pipe, delivered immediately, f. o. b., Placerville.

Specifications No. 1

For 1300 feet 12" I. D. No. 12 gauge, Double Riveted slip joint riveted steel pipe dipped.

For 1000 feet 8" I. D. No. 12 gauge, Double Riveted slip joint riveted steel pipe dipped.

For 1200 feet or more 4" I. D. No. 14 gauge Double Riveted slip joint riveted steel pipe dipped, to make up a twenty-ton car.

Special

One Y on 12" to 7", 2 Tees on 12" to 8" 1 Taper 12" to 5, 2 Ells 8", 1 X Cross 8" to 2-6" ends.

Specifications No. 2

For 1300 feet 12" I. W. No. 12 gauge, Double Riveted slip joint dipped pipe made of Armco Iron.

For 1000 feet 8" I. D. No. 12 gauge Double Riveted slip joint dipped pipe made of Armco Iron.

For 1200 feet or more 4" I. D. No. 14 gauge, Double Riveted slip joint riveted pipe made of Armco Iron, to make up a twenty-ton car.

Special

[illegible] 12" to 7" 2 Tees on 12" to [illegible] 12" to 5" 2 Ells 8" 1 X [illegible] 6" ends

The above described material to be f. o. b. Placerville; the bids [illegible] with the Clerk up to 5 o'clock P. M., on December 5th, 1921. The bids to be opened at a regular [illegible] the Board at the City Hall [illegible] December 5th at 7.30 o'clock P. M. The Trustees reserve the right to reject any and all bids. By [illegible] Board of Trustees of the City of Placerville, Calif., November [illegible]

O. E. BAILEY,
Clerk

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2760	Klein	Nelson	7950
2761	Tryon	Owner	500
2762	P. G. & E.	Owner	3500
2763	Broderick	Western	665
2764	Johnson	Owner	12000
2765	Lundy	Hogberg	800
2766	Trevor	Fontanella	700
2767	Anderson	Meyer	4000
2768	Shepston	McIntosh	8280
2769	Krausgrill	Moran	5000
2770	Serbin	Jones	1000
2771	Alferitz	Cristina	500
2772	Studdert	Gilmour	500
2773	Franciscian	Lawton	990
2774	Hayden	Klahn	2000
2775	Kanskoff	Owner	10000
2776	Martinelli	Nelson	6500
2777	Dertiman	Owner	6000
2778	Demgalis	Kordaulis	1000
2779	Cahn	Morris	6000
2780	Hemminga	Owner	12000
2781	Dale	Merritt	20000
2782	Depaoli	American	1000
2783	McAuliffe	Evans	3809
2784	Mead	Owner	3500
2785	Chaquette	Gilmore	950
2786	Juel	Owner	5000
2787	Jacobowski	Owner	9000
2788	Cunningham	Barozzi	500
2789	Drew	Koenig	2000
2790	Same	Same	560
2791	Watson	Owner	1900
2792	Swanson	Owner	1400
2793	McLaughlin	Owner	7500
2794	West Coast	Macdonald	60000
2795	Lindeman	Lindeman	5000
2796	Wenger	Watson	10700
2797	Williams	Farnocchio	3150
2798	Devine	Wiander	4000
2799	Keenan	Owner	30000
2800	Karston	Montgomery	4500
2801	Eastman	Owner	8000
2802	Husted	Coburn	500
2803	Widren	Owner	1000
2804	Atkins	Vogt	500
2805	Goldstein	Grannis	15000
2806	Moe	Kulchar	1700
2807	Keefe	Sunset	500
2808	Bottaro	Owner	30000
2809	Heyman	Owner	6000
2810	Johnston	Owner	3600
2811	Bessett	Owner	500
2812	Curtaz	Owner	100000
2813	Mission	Cauldwell	2500
2814	Nelson	Owner	3000
2815	O'Reilly	Owner	8000
2816	Steinower	Owner	8400
2817	Standard	Owner	1000
2818	Wagner	John	2800
2819	Henderson	McIntosh	5720
2820	Washington	Butte	10869
2821	Bothin	Arras	31394
2822	Young	Swanson	7150
2823	Jr. Orpheum	Vermont	43000
2824	Same	Forderer	12800
2825	Petersen	Owner	4000
2826	Pengally	Pranagli	6000
2827	Kehres	Friedle	7000
2828	Williams	Owner	6500
2829	Welsh	Owner	40000
2830	Rhein	Monson	700
2831	Dickes	Tarbitt	10000
2832	Herning	Tarbitt	10000
2833	Salvation	Owner	500
2834	Wright	Paul	2500
2835	Wilkins	Smith	825

PERMITS

FLATS

(2760) W EIGHTEENTH AVE 100 S Anza. Two-story and basement frame (2) flats.
Owner—M. Klien.
Architect—None.
Contractor — P. Algot Nelson, 205 Eureka St., San Francisco. $7950

ADDITION

(2761) NO. 1932 FELL. Add two rooms to apartments.
Owner—Mrs. Jennie E. Tryon, Prem.
Architect—None.
Day's work. $500

ALTERATIONS

(2762) FIFTH AND HOWARD STS. Move curbing; sidewalk work, etc. for street widening project (all work of reinforced concrete).
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—None.
Day's work. $3500

MARQUISE

(2763) NE KEARNY AND PINE STS. Erect marquise.
Owner—Mr. Brodrick, Pine and Kearny Sts., San Francisco.
Architect — Righetti & Hirschfield, 12 Geary St., San Francisco.
Contractor—Western Furnace & Cornice Co., 1st and Brannan Sts., San Francisco. $665

FLATS

(2764) E LYON 75 and 102 N Filbert. Two two-story and basement frame flat buildings (2 flats in each).
Owner—Axel A. Johnson, 632 Belvedere St., San Francisco.
Architect—None.
Day's work. $6000 each

VAULT

(2765) N MARKET 75 W Kearny. Construct concrete vault.
Owner — Lundy, Market St. near Kearny St., San Francisco.
Architect — Herman Safe Co., Beale near Howard St., S. F.
Contractor — E. Hogberg, 180 Jessie St., San Francisco. $800

REPAIRS

(2766) S O'FARRELL 100 E Jones. Repair fire damage to hotel.
Owner — Trevor Co., 22 Montgomery St., San Francisco.
Architect—None.
Contractor — Fontanella & Teza, 1682 Eddy St., San Francisco. $700

RESIDENCE

(2767) W TWENTY-FIFTH AVE 225 S Clement. One-story and basement frame residence.
Owner — Johnathan Anderson, 16th Ave. and Geary St., S. F.
Architect—None.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $4000

RECORDED

FLATS

(2768) E LARKIN 80 N Pacific N 32-6 E 137-6 S 52-1 W 34-3 S 5 in W 34-6 N 20 W 68-6. Carpenter, mill, terrazzo, iron, stairs, door opener, tinning, chimneys, rough hardware grading and concrete for 2-story and basement frame (flats) building.
Owner—George G. Shepston, 430 Sansome St.
Architect—Ernest H. Hildebrand, 68 Post St.
Contractor—Wm. McIntosh, 180 Jessie Street.
Filed Nov. 18, '21. Dated Nov. 16, '21.
Frame up and enclosed $2070
Brown coated 2070
Completed and accepted 2070
Usual 35 days 2070
TOTAL COST, $8280
Bond, $4140; sureties, J. J. McLeod and Theo de Pass; forfeit, $10 day; limit, 100 days. Plans and specifications filed.
NOTE:—Permit reported Nov. 15, 1921. No. 2702.

COTTAGE

(2769) LOT 2 BLK 2987, Claremont Court. Five-room cottage.
Owner—Mr. and Mrs. Krausgrill.
Architect—Not given.
Contractor—Harry Moran, 778 10th Avenue.
Filed Nov. 18, '21. Dated Nov. 1, '21.
Frame up $2000
Completed and accepted 2000
Usual 35 days 1000
TOTAL COST, $5000
Bond, $3750; surety, National Surety Co.; forfeit, none; limit, 60 days. Plans and specifications filed.

ALTERATIONS

(2770) NO. 450 CASTRO. Remodel store front.
Owner—M. A. Serbin, Premises.
Architect—None.
Contractor—T. Jones, 582-A Castro St., San Francisco. $1000

BRICK WALL

(2771) NO. 401-409 COLUMBUS AVE. Construct brick wall to support sidewalk.
Owner—Alferitz Estate.
Architect —Italo Zanolini, 604 Montgomery St., San Francisco.
Contractor—G. Cristina. $500

FRAME STORE

(2772) S EIGHTEENTH bet. Guerrero and Dolores. One-story frame store.
Owner—C. Studdert, 487-A Dolores St., San Francisco.
Architect—None.
Contractor—Geo. D. Gilmour, 1953 Howard St., San Francisco. $500

ALTERATIONS

(2773) N McALLISTER 100 W Cole. Install shower outlets and tile walls and floors in residence.
Owner—Franciscian Fathers, Prem.
Architect—L. P. Hobart, Crocker Bldg., San Francisco.
Contractor—Lawton & Vezey, 332 Call Bldg., San Francisco. $990

ADDITION

(2774) NO. 259 RANDALL. Add three rooms to residence.
Owner—Zachariah Hayden, Premises.
Architect—Theo. Lenzen, 706 Humboldt Bank Bldg., San Francisco.
Contractor—Arthur H. Klahn, 1334 21st Ave., San Francisco. $2000

FRAME FLATS

(2775) N CABRILLO 80 W Twenty-third Ave. Two-story and basement frame (4) flats.
Owner—H T. Kanskoff, 262 Henry St., San Francisco.
Architect—None.
Day's work. $10,000

RECORDED

FRAME BUNGALOW
(2776) LOT 21 BLK 3175, Westwood Park. All work for one-story and basement frame bungalow.
Owner—Jos. M. and Lillie B. Martinelli 355 Church St., San Francisco
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Nov. 19, '21. Dated Nov. 11, '21.
Frame up $1625
Brown coated 1625
Completed and accepted..... 1625
Usual 35 days..... 1625
TOTAL COST, $6500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

PERMITS

STORE
(2777) NW ARKANSAS & TWENTIETH Two-story and basement store.
Owner—Peter Dertiman, 1701 20th St., San Francisco.
Architect—None.
Day's work. $6000

REPAIRS
(2778) NO. 1858 DIVISADERO. Repair front; cement work, etc., for storage quarters.
Owner—Stephen Demgalis, Premises.
Architect—None.
Contractor—Steve Kordaulis, 16 Ritch St., San Francisco. $1000

DWELLING
(2779) W ELEVENTH AVE 87-6 N Cabrillo. One-story and basement frame dwelling.
Owner—N. Cahn, 1045 Anza St., San Francisco.
Architect—None.
Contractor—A. T. Morris, 501 11th Ave., San Francisco. $6000

FRAME FLATS
(2780) S GROVE 56-3 W Ashbury. Two-story and basement frame (4) flats.
Owner—W. L. Hemminga, 47 Ashbury St., San Francisco.
Architect—None.
Day's work. $12,000

ADDITION
(2781) NO. 2444 GREAT HIGHWAY. Additions for apartment house.
Owner—Mrs. Harvey Dale, 2444 Great Highway, San Francisco.
Architect—None.
Contractor—Geo. M. Merritt, 3014 Geary St., San Francisco. $20,000

GARAGE
(2782) W GOUGH 62-6 S Filbert. One story frame private garage.
Owner—P. E. Depaoli, 2448 Polk St., San Francisco.
Architect—None.
Contractor — American Concrete Co., 785 Market St., San Francisco. $1000

RESIDENCE
(2783) E GRANADA AVE 54 S Southwood Drive. One-story and basement frame residence.
Owner—Mrs. McAuliffe, Premises.
Architect—O. E. Evans, 2569 Mission St., San Francisco.
Contractor—Evans & Co., 2569 Mission St., San Francisco. $3809

DWELLING
(2784) S JUDAH 60 W 28th Ave. One story and basement frame dwlg.
Owner—Mead & Mercer, 362-A Lexington Ave., San Francisco.
Architect—Alfred Henry Jacobs 110 Sutter St., San Francisco.
Day's work $3500

ALTERATIONS
(2785) NO. 2014-22 MISSION. Lath and plaster front of flats and store.
Owner—Chaquette & Armstrong, 30 Montgomery St., San Francisco.
Architect—None.
Contractor—W. G. Gilmour, 180 Jessie St., San Francisco. $900

RESIDENCE
(2786) N MARKET 76 E Eureka Two-story and basement frame residence.
Owner—Adolph O. Juel, 717 5th St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg San Francisco.
Day's work. $5000

SALES ROOM
(2787) N TURK 181-3 W Polk. One-story brick sales room.
Owner—S. Jacobowski, Care Architect
Architect—Mel. I. Schwartz 1202 Nevada Bank Bldg., S. F.
Not Let Yet. $9000

ADDITION
(2788) NO. 178 TWENTY-FIRST Ave. Minor additions to residence
Owner—Dr. J. J. Cunningham, Prem.
Architect—None.
Contractor —Barozzi Drying Machine Co., 100 Columbus Ave., S. F. $500

ALTERATIONS
(2789) NO. 1838-42 MARKET. Widen incline for garage; remove stalls; concrete floor.
Owner—C. B. Drew, 1838 Market St., San Francisco.
Architect—Wm. Koenig, 788 16th Ave., San Francisco.
Contractor—Koenig Bldg., Co., 520 Church St., San Francisco. $2000

ALTERATIONS
(2790) NO. 1838-42 MARKET. Rearrange for offices in garage and stable.
Owner—C. B. Drew, 1838 Market St., San Francisco.
Architect—Wm. Koenig, 788 16th Ave., San Francisco.
Contractor—Koenig Bldg., Co., 520 Church St., San Francisco. $560

STORES
(2791) S GEARY 65 E 16th Ave. One story frame stores.
Owner—G. E. Watson, 1242 6th Ave., San Francisco.
Architect—None.
Day's work. $1900

RESIDENCE
(2792) N JOOST AVE 300 W Congo. One-story and basement frame residence.
Owner—Carl Swanson, 306 Bartlett St., San Francisco.
Architect—None.
Day's work. $1400

WAREHOUSE
(2793) N JESSIE 80 W Seventh One-story brick warehouse.
Owner—James L. McLaughlin, 251 Kearny St., San Francisco
Architect—None.
Day's work. $7500

ADDITION
(2794) SW SECOND AND MARKET Add three stories for offices; steel frame; brick and concrete; reinforced concrete floor slabs, etc.
Owner—West Coast Life Insurance Co., San Francisco.
Architect—Weeks & Day Phelan Bldg San Francisco.
Contractor — Macdonald & Kahn, 130 Montgomery St., San Francisco. $60,000

RECORDED

BUNGALOW
(2795) E 10TH AVE 175 N Anza N 25 x 120. One-story frame bungalow.
Owner—W. R. Lindeman, 232 Anza St.
Architect—Not given.
Contractor—H. O. Lindeman, 530 Balboa St.
Filed Nov. 24, '21. Dated Nov. 21, '21.
Frame up $1250
Rough plaster on..... 1250
Completed 1250
Usual 35 days 1250
TOTAL COST, $5000
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Nov. 3, 1921, No. 2566.

FRAME BLDG.
(2796) W 14TH AVE 305 S Geary S 25 W 136-10½ NW 25 more or less E 140 more or less. Two-story frame building.
Owner—Samuel Wenger, 2051 Scott St.
Architect—Not given.
Contractor—G. E. Watson, 1242 6th Ave.
Filed Nov. 24, '21. Dated Oct. 27, '21.
Rough frame up $2675
Rough plaster on 2675
Completed 2675
Usual 35 days 2675
TOTAL COST, $10,700
Bond, sureties, forfeit, none; limit, 75 days. Plans and specifications filed.

ALTERATIONS
(2797) NO. 1037 BROADWAY. Carpenter, masonery, metal work, roofing, plaster, painting, electric wiring, and glazing for alterations and additions to three-story building.
Owner—Emily E. Williams and Lillian Palmer, Premises.
Architect—Emily E. Williams.
Contractor—Farnocchio & Co., 1814 Powell St., San Francisco.
Filed Nov. 21, '21. Dated Nov. 21, '21.
Roof on $700.00
Plaster completed 900.00
Completed 762.50
Usual 35 days..... 787.50
TOTAL COST, $3150.00
Bond, $1575. Sureties, Emily E. Williams and Lillian Palmer. Limit, Jan. 31, 1922. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Nov. 5, 1921 No. 2569.

RESIDENCE
(3798) E COLERIDGE 281 S Coso Ave. S 24-4xE 122-6. All work for one and one-half-story frame residence
Owner—John Devine, 67 Coleridge St., San Francisco.
Architect—None.
Contractor—Emil E. Wrander, 41 Coleridge St., San Francisco.
Filed Nov. 21, '21. Dated Nov. 10, '21.
Frame up $1200
Brown coated 1200
Plaster finished and mill work on 1200
Completed 400
TOTAL COST, $4000
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.
NOTE—Permit reported Nov. 18, 1921 No. 2731

FRAME FLATS
W TENTH AVE 150 N Cabrillo Two-story and basement frame (2) flats
Owner—Anne Albert and Frances Brady, 1140 Masonic Ave., S. F.
Architect — Gustave Stahlberg 831 York St., San Francisco.
Contractor—E. E. Manseau, 647 Clayton St., San Francisco. $3800
NOTE:—Recorded contract reported Nov. 17, 1921, No. 2749

APARTMENTS
[illegible] S CALIFORNIA 97 W Commonwealth Ave. Three-story and basement frame (9) apartments
Owner—H. C. Keenan, 300 Webster St., San Francisco.
Architect—None.
Day's work. $30,000

FRAME FLATS
(2800) W CAPP 160 S 25th. Two-story and basement frame (3) flats.
Owner—E. Karston, 1012 Capp St., San Francisco.
Architect—None.
Contractor—E. J. Montgomery, 1320 Broadway, San Francisco. $7500

FRAME FLATS
(2801) W CHURCH 200 N 19th. Three story and basement frame (2) flats.
Owner—G. M. Eastman, 441 Dolores St., San Francisco.
Architect—Anton Petersen, 2770 San Bruno Ave., San Francisco.
Day's work. $8000

REPAIRS
(2802) NO. 26 CUMBERLAND. Repair fire damage to flats; erect new stairs, etc.
Owner—Mr. Husted, Premises.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco. $500

ALTERATIONS
(2803) NO. 549 DIVISADERO. Cement plaster exterior of flats; painting, plumbing and carpentry.
Owner—M. Widren, Premises.
Architect—None.
Day's work. $1000

RETAINING WALL
(2804) SW HOWARD AND SIXTH. Construct concrete retaining wall for stores.
Owner—Robert S. Atkins, Sutter and Kearny Sts., San Francisco.
Architect—None.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco. $500

RESIDENCE
(2805) S JACKSON 90-3 W Spruce. Two-story and basement frame residence.
Owner—Joe Goldstein, 5299 California St., San Francisco.
Contractor—E. E. Young, 251 Kearny St., San Francisco.
Contractor—Fred R. Grannis, 2450 Steiner St., San Francisco. $15,000

ALTERATIONS
(2806) NO. 935 MISSION. Enlarge mezzanine floor; install store fittings; reconstruct plumbing; plaster walls.
Owner—Moe Bridges Co.
Architect—S. Kulchar Co., 8th Ave & E-10th St., Oakland.
Contractor—S. Kulchar Co., 8th Ave. & E-10th St., Oakland. $1700

ALTERATIONS
(2807) NO. 1254 NINTH AVE. Remove wood floor and replace with concrete; cut in three sheet metal skylights for auto painting shop.
Owner—J. H. Keefe, 1259 9th Ave., San Francisco.
Architect—None.
Contractor—Sunset General Repair Co., 1254 9th Ave., San Francisco. $500

APARTMENTS
2808) S WASHINGTON 137-6 W Leavenworth. Three-story and basement frame (12) apartments.
Owner—A. Bottaro, 1630 Post St., San Francisco.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.
Day's work. $30,000

DWELLINGS
(2809) W TWENTY-SIXTH AVE. 45 and 72-6 S Cabrillo. Two one-story and basement frame dwellings.
Owner—Oscar Heyman & Bro., 742 Market St., San Francisco.
Plans by Owner.
Day's work. $3000 each

DWELLING
(2810) E TWENTY-THIRD AVE 100 N Taraval. One-story and basement frame dwelling.
Owner—W. R. Johnston, 31 Geary St., San Francisco.
Architect—None.
Day's work. $3600

ADDITION
(2811) NO 159 SEVENTH. Construct frame addition for private garage.
Owner—E. Bessett, Premises.
Architect—None.
Day's work. $500

APARTMENTS, ETC.
(2812) S GEARY 56 W Shannon. Five story and basement reinforced concrete stores and apartments.
Owner—O. H. Curtaz, 150 7th St., San Francisco.
Plans by Owner.
Day's work. $100,000

HAL
(2813) SW DOLORES & SIXTEENTH One-story frame parish hall.
Owner—Mission Dolores Church, Rev. J. W. Sullivan, Pastor, 3321 16th St., San Francisco.
Architect—Albert M. Cauldwell, 251 Kearny St., San Francisco.
Day's work. $2500

DWELLING
(2814) S ULLOA 165 W Dorchester. One-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, West Portal Park, San Francisco.
Architect—None
Day's work. $3000

FRAME FLATS
(2815) W FOURTEENTH AVE 175 S Cabrillo. Two-story and basement frame (2) flats.
Owner—Catherine B. O'Reilly, 491 10th Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $8000

FRAME FLATS
(2816) N CALIFORNIA 82 W Seventh Ave. Two-story and basement frame (2) flats.
Owner—S. Steinower, 109 Cornwall St., San Francisco.
Architect—None.
Day's work. $8400

STATION
(2817) NW CHURCH AND TWENTY-fourth. One-story steel service sation.
Owner—Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Day's work. $1000

RECORDED

ALT. & ADD.
(2818) W BAKER N OF GOLDEN Gate No. 821-823 Baker. Alterations and additions to a 2-story frame bldg.
Owner—Theresa and Chas. A. Wagner, 823 Baker St.
Architect—None.
Contractor—Fred John & Co.
Filed Nov. 22, '21. Dated Nov. 16, '21.
House moved and all foundations in $700
Basement studs up and rustic on and plastering done..... 700
Completed and accepted 700
Usual 35 days 700
TOTAL COST, $2800
Bond, sureties, forfeit, none; limit, 35 days. Plans and specifications filed.

FLATS
(2819) E LARKIN 112-6 N Pacific N 25 x E 137-6. Carpentry, mill, terrazzo, hardware, grading and concrete, for a 2-story frame (flats) building.
Owner—Kitty and Bessie Henderson, 430 Sansome St.
Architect—Ernest H. Hildebrand, Foxcroft Buldg.
Contractor—Wm. McIntosh, 180 Jessie Street.
Filed Nov. 22, '21. Dated Nov. 14, '21.
Frame up and enclosed.....$1430
Brown coated 1430
Completed and accepted..... 1430
Usual 35 days 1430
TOTAL COST, $5720
Bond, $2900; sureties, Theo De Pass and J. J. McLeod; forfeit, $10 day; limit, 100 days. Plans and specifications filed.
NOTE:—Permit reported Nov. 17, 1921, No. 2742.

ELECTRICAL WORK
(2820) NW WASHINGTON & GOUGH W 68-9 x N 129-8¼. Electrical work for 7-story and basement Class B reinforced concrete bldg.
Owner—Two Thousand Washington St. Inc., Care Architect.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg.
Contractor—Paul C. Butte as Butte Electric and Mfg. Co.
Filed Nov. 22, '21. Dated Nov. 18, '21.
Conduit installed in 4th flr...$1651.75
All conduit installed 3000.00
Completed and accepted 3500.00
Usual 35 days 2717.25
TOTAL COST, $10,869.00
Bond, $5435; surety, United States Fidelity and Guaranty Co.; forfeit, none; limit, as fast as possible. Plans and specifications filed.

CLASS C BLDG.
(2821) NE FOLSOM 50 NE Second NE 125-1xNW 80; SE Clementina 100 NE Second 49x75. All work except elevators for two-story Class C building.
Owner—Bothin Real Estate Co., 2nd & Mission Sts., San Francisco.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Adam Arras Co., 180 Jessie St., San Francisco.
Filed Nov. 22, '21. Dated Nov. 21, '21.
1st story walls and columns poured $5886.50
2nd story walls and beams poured 5886.50
Roofing completed 5886.50
Completed and accepted.... 5886.00
Usual 35 days..... 7848.50
TOTAL COST, $31,394.00
Bond, $15,697. Sureties, R. A. Farrar and Theo. De Pass. Limit, 83 days after Nov. 27. Forfeit, $20. Plans and specifications filed.

RESIDENCE
(2822) PTN LOTS 17 AND 18 BLK 25 St. Francis Wood Extn. No. 2. All work for two-story and basement frame residence.
Owner—J. R. Young, 781 Prague St., San Francisco.
Architect—Chas. F. Strothoff, 3274 15th St., San Francisco.
Contractor—Ernest Swanson, 180 Jessie St., San Francisco.
Filed Nov. 22, '21. Dated Nov. 21, '21.
Roof on $1787.50
White coated inside and second coated outside 1787.50
Usual 35 days..... 1787.50
TOTAL COST, $7150.00
Bond, $3575. Sureties, A. I. Molris and E. Milano. Limit, 90 days. Forfeit none. Plans and specifications filed.
NOTE—Permit also applied for today

MARBLE WORK
(2823) NW GOLDEN GATE AVE AND Taylor. Marble work for theatre building.
Owner—Junior Orpheum, San Francisco by W. S. Dinwiddie, Crocker Bldg., San Francisco.
Architect—G. Albert Lansburgh, 601 Mission St., San Francisco.

Contractor—Vermont Marble Co., 244 Brannan St., San Francisco.
Filed Nov. 22, '21. Dated Nov. 22, '21. As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $43,000
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

(2824) HOLLOW METAL WORK ON above.
Contractor — Forderer Cornice Wks., 269 Potrero Ave.
Filed Nov. 22, '21. Dated Oct. 26, '21. Payments same as above.
TOTAL COST, $12,800
Bond, sureties, forfeit, mone; limit, March 15, 1922. Plans and specifications, none.

DWELLING
(2825) E 41ST AVE 225 S Balboa. One-story and basement frame dwelling.
Owner—W. C. Petersen, No. 1570-A Eddy St.
Architect—None.
Day's work. $4000

DWELLINGS
(2826) E 4TH AVE 30 and 51-6 S Anza. Two 1-story and basement frame dwellings.
Owner—Mrs. W. F. Pengally, No. 517 4th Ave.
Architect—None.
Contractor—John E. Pranagli, No. 517 4th Ave. $3000 ea.

AMUSEMENT CONCESSION
(2827) NO. 790 GREAT HIGHWAY. Two-story frame amusement concession.
Owner—Elmer Kehres, No. 790 Great Highway.
Architect—None.
Contractor—Friedle & Looff, No. 790 Great Highway. $7000

FLATS
(2828) S LAKE 57-6 E Funston Ave. Two-story and basement frame (2) flats.
Owner—Mary Elizabeth Williams, No. 673 7th Ave.
Architect—None.
Day's work. $6500

APARTMENTS
(2829) W LEAVENWORTH 100 N Bush. Four-story and basement brick (16) apartments.
Owner—James Welsh, No. 597 20th Avenue.
Architect—None.
Day's work. $40,000

UNDERPIN BLDG.
(2830) N TURK 247 W Taylor. Underpin building with brick.
Owner—Otto Vom Rhein.
Architect—None.
Contractor—Monson Bros., No. 251 Kearny St., City. $700

FLATS
(2831) E 13TH AVE 150 S Balboa. Two-story and basement frame (2) flats.
Owner—S. F. Dickes, No. 1242 Polk St.
Architect—None.
Contractor—Jas. Tarbitt, No. 386 Fair Oaks St. $10,000

FLATS
(2832) E 13TH AVE. 175 S Balboa. Two-story and basement frame (2) flats.
Owner—H. C. Herning, No. 127 Perry St., City.
Architect—None.
Contractor—Jas. Tarbitt, No. 386 Fair Oaks St., City. $10,000

BASEMENT DOOR
(2833) SE McCOPPIN & VALENCIA Install basement door
Owner—The Salvation Army, Prem.
Architect—None.
Day's work. $100

DWELLING
(2834) N PARIS 250 W Italy. One-story frame dwelling.
Owner—J. W. Wright & Son
Architect—None.
Contractor—E. M. Paul 482 Moss Ave. Oakland, and J. C. Littlepage, 419 14th Ave., San Francisco $2,500

PAINTING
(2835) NW FOLSOM AND LANGTON Painting three-story brick warehouse.
Owner—Alice N. and Harry H. Wilkins.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—J. S. Smith, 1137 Divisadero St., San Francisco.
Filed Nov. 23, '21. Dated Nov. 23, '21
Completed and accepted..... 75%
When all bills are paid..... 25%
TOTAL COST, $820
Bond, limit, forfeit, none. Specifications only filed.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Nov. 23, 1921—LOT 1 BLK 3196, Westwood Park. W B Hill to Oscar Wilson and Andrew J Benson.....Nov. 23, 1921
Nov. 23, 1921—NW BERNAL AVE and Precita Valley Lot 105 NW 120 xSW 30. Thomas Doyle to Michael Costello.....Nov. 23, 1921
Nov. 23, 1921—N BUSH 24 W St. George Alley W 24xN 59-6. Macdonough Estate Co to J F Barrett and H H Hilp Jr.....Nov. 2, 1921
Nov. 22, 1921—SE GOLDEN GATE Ave and Jones E 162-6 S 181-7⅝ SW 159-9 W 32-10½ N 275. Famous Players Lask Corp to Paul E Deniveile, Nov. 17, 1921; Scott Co, Nov. 18, 1921; A Lettich, Nov. 17, 1921; C J Hillard Co, Nov. 17, 1921; Morrison Co, Nov. 18, 1921; Chas Stockholm & Son, Nov. 21, 1921; Malliott & Peterson, Nov. 18, 1921, and Mission Marble Works, Nov. 17, 1921. Decker Elec. Constr. Co. Nov. 21, 1921
Nov. 18, 1921—E CAPITOL AVE 25 N Grafton Ave. N 25 x E 100. Jas. A. Arnott to Jas Arnott & Son.....Nov. 14, 1921
Nov. 18, 1921—NE PINE & KEARNY 70x37-6. Anita C. Broderick to Mark C. Ingraham.....Nov. 17, 1921
Nov. 22, 1921—NE RUSSIA AVE 75 NW Lisbon NW 25xNE 75 Ptn Lot 5 Blk 20 Excl Hd Assn. Jas Gleeson and John Farrell to whom it may concern.....Nov. 22, 1921
Nov. 21, 1921—S TWENTY-EIGHTH Ave 250 S Anza W 120xS 25. Evangeline F Bugbee to whom it may concern.....Nov. 21, 1921
Nov. 21, 1921—SW CALIFORNIA & Montgomery. Greenhood & Jansen to Ira W Coburn.....Nov. 21, 1921
Nov. 19, 1921—NE LIBERTY AND Castro N 26-6xE 105. Edgar C and Elizabeth Cooper to whom it may concern.....Nov. 19, 1921
Nov. 18, 1921—E CAPITOL AVE 50 N Grafton Ave N 25xE 100 Ptn Lots 6, 7, 8, 9, blk 14, Lakeview. The McCarthy Co. to James Arnott & Son.....Nov. 18, 1921
Nov. 18, 1921—1350 SUTTER, REX Court Apts. Mendel Weisbleet to whom it may concern..Nov. 18, 1921
Nov. 18, 1921—NW CLAY AND WEBster. Board of Trustees of Leland Stanford Jr. Univ. to Fuller & Goepp.....Nov. 14, 1921
Nov. 18, 1921—LOT 10 BLK 3189 Westwood Park. Katherine C and Sophie T Hink to Walter E. Hansen.....Nov. 17, 1921
Nov. 18, 1921—W THIRTY-EIGHTH Ave 230 S Clement S 25xW 120; W 30th Ave 237-6 S Clement S 32-6xW 120. Alton R Lapham to whom it may concern.....Nov. 18, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount
Nov. 23, 1921—E THIRTY-SECOND Ave 175 N Geary N 25xE 120. Uhl Bros. $83.77. Reinhart Lumber & Planing Mill Co. $350.36 vs Herman Budan.....
Nov. 23, 1921—E THIRTY-SECOND Ave 175 N Geary N 25xE 120. Acme Lumber Co vs Herman Budan.$632.50
Nov. 22, 1921—S TWENTY-NINTH 155 W Noe W 25xS 114. W R McCullough vs American Bonding Co of Baltimore.....$120
Nov. 21, 1921—N GEARY 165 W Gough W 27-6xN 137-6. Wayne & Williams vs W C Vaughan.....$337
Nov. 21, 1921—S CLAY 167-6 W Laguna W 30 S 127-8¼ E 30 N 127-8¼. Western Builders Supply Co vs Esther J Mitchell and F A Legault.....$8338

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount
Nov. 23, 1921—N SHAFTER AVE & Jennings NW 75xNE 100. Robert O Bruce to Robert L Perry and T L Sharman.....
Nov. 18, 1921—NW TWENTY-NINTH Ave South 225 NW P St. South NE 80-0¼ NW 5 W to Pt. 289-1 NW P St. SE 64-1. H S Thomson to J G Chase and Clara London....

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Nov. 21, 1921—NW DIVISADERO & Grove W 113-9 N 82-6 E 23-9 S 30 E 90 S 52-6. Adam D and Mary J Sangster to Davis Serensky.....

RELEASE OF BUILDING CONTRACT

SAN FRANCISCO COUNTY

Nov. 22, 1921—NO. 1037-39 BROADWAY Emily E Williams and Lillian Palmer with Farnocchia & Co

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
4089	Arnold	Wagner	450
4090	Bredelaft	Bredelaft	2500
4091	Gallagher	Jordan	3000
4092	Casebolt	Owner	6000
4093	Berner	Berkeley	3000
4094	Porep	Rockingham	6000
4095	Foreman	Pitman	509
4096	Birch	Owner	450
4097	Osborn	Ventie	2800
4098	Plotz	Plotz	1000
4099	Burgner	Owner	3250
4100	Cockburn	McIntosh	500
4101	Soroni	Thiele	3600
4102	Dezen	Owner	3600
4103	Larkin	Owner	475
4104	Noble	Owner	3500
4105	Proctor	Diggs	[illegible]
4106	Lee	Owner	2455
[illegible]	Alvares	Owner	600
4108	Leveroni	[illegible]	3000
4109	Harring	[illegible]	492
4110	Goselbrook	Goselbrook	1000
4111	Butler	Lemmerer	[illegible]
4112	Glasgow	Sydes	2000
4113	Hughson	Owner	2000
4114	Goselbrog	Williams	19010
4115	Newman	Mason	600
4116	Hollenbeck	Hollenbeck	3500
4117	Murdock	Owner	3000

No.	Owner	Contractor	Amt.
4118	Walters	Owner	3000
4119	Churchman	Owner	1750
4120	Brunson	Hollenbeck	3500
4121	Andersen	Olsen	3800
4122	Ehret	Almquist	4000
4123	Robie	Seammon	4500
4124	Nesbitt	Isaacs	4500
4125	Same	Same	4500
4126	Minami	Warner	600
4127	Higgins	Owner	2500
4128	Garibaldi	Owner	800
4129	Rohan	Owner	30000
4130	Graves	Owner	3000
4131	Peoples	Smith	4000
4132	Sutton	Bertelsen	495
4133	Bunker	Bullock	4500
4134	Pfrang	Owner	5000
4135	Wilkerson	Owner	2000
4136	Pelton	Owner	600
4137	Bruzzone	Christensen	2000
4138	Francis	Owner	3500
4139	Peters	Barr	1500
4140	Rasor	Felton	5500
4141	Souza	Owner	1800
4142	Fish	Wiser	4000
4143	Berg	Duval	3000
4144	Austin	Shrader	517
4145	Elliott	Owner	1400
4146	Fisher	Owner	2750
4147	Finch	Finch	2500
4148	Alberti	Owner	700
4149	Horwinski	Owner	60000
4150	Emeryville	Rutherford	10500
4151	McKeon	Cal. Bldrs.	4000
4152	Ronbell	MacDonald	500
4153	Cushing	Owner	2500
4154	Wass	Nunes	6000
4155	Waas	Nunes	9000
4156	Maglion	Flewelling	2800
4157	Larsen	Sommarstrom	11000
4158	Bianchi	Allen	2975
4159	Kuang	Yick	500
4160	Madruga	Phillips	420
4161	Baker	Hendricks	5000
4162	Doran	Owner	4000
4163	Nelson	Owner	3000
4164	Elmhurst	Owner	1000
4165	Snowberger	Owner	2000
4166	Pfrang	Owner	5000
4167	Calif. Wire	Christensen	1500
4168	Murphy	Murphy	2500
4169	Horwinski	Zeis	5170
4170	Same	Advance	1146
4171	Shakelford	West	3850
4172	Parker	Adams	1000
4173	Theile	Owner	4000
4174	Carius	Owner	6500
4175	Riley	Kopp	12000
4176	Macomber	Whalin	10700
4177	Breed	HHall	2000
4178	Swanson	Owner	3000
4179	Healy	Owner	750
4180	Pond	Owner	3800
4181	Baker	Owner	495
4182	Moreland	Geary	2000
4183	McCarron	Owner	500
4184	Durant	Hoare	7000

PERMITS

REPAIRS
(4089) 2410 GRANT ST., Berkeley. Fire repairs.
Owner—Robert Arnold.
Architect—None.
Contractor—Adolph Wagner, 3136 College Ave., Berkeley. $450

DWELING
(4090) 1624 HOPKINS ST., Berkeley. One-story 5-room dwelling.
Owner—Bredelaft & Kay, 1620 Hopkins St., Berkeley.
Architect—None.
Contractor—J. L. Bredelaft, 1620 Hopkins St., Berkeley. $2500

DWELLING
(4091) 1982 MARIN AVE., Berkeley. One-story 5-room dwelling.
Owner—Miss A. Gallagher, Berkeley.
Architect—None.
Contractor—Jordan & Zeile, 2444 Milvia St., Berkeley. $3000

DWELLING
(4092) 60 NOTTINGHAM AVE., Berkeley. One-story 6-room dwelling.
Owner—K. O. Casebolt, Alameda and Indian Rock, Alameda.
Architect—None.
Day's work. $6000

DWELLING
(4093) S. SOLANO 150 W. Modoc, Berkeley. One-story 5-room dwelling.
Owner—C. L. Berner. San Jose.
Architect—None.
Contractor—Berkeley Building Co., Solano and Colusa Aves., Berkeley. $3000

DWELLING
(4094) 1838 ALAMEDA AVE., Alameda. Two-story dwelling.
Owner—Chas. L. Porep, 2002 Alameda Ave., Alameda.
Architect—None.
Contractor—J. H. Rockingham, San Jose Ave., Alameda. $6000

ALTERATIONS
(4095) 1714 ALAMEDA AVE., Alameda. Alterations.
Owner—B. E. Foreman.
Architect—None.
Contractor—H. M. Pitman. $509

ALTERATIONS
(4096) 3249 Briggs Ave., Alameda. Alterations.
Owner—H. Birch, Premises.
Architect—None.
Day's work. $450

DWELLING
(4097) 1027 CENTRAL AVE., Alameda. One-story 5-room dwelling.
Owner—T. D. Osborn, Premises.
Architect—None.
Contractor—Jas. Ventre, 1861 Elm St., Alameda. $2800

ADDITION
(4098) 2027 ENCINAL AVE., Alameda. Addition.
Owner—M. J. Plotz, Premises.
Architect—None.
Contractor—A. B. Plotz, Premises. $1000

DWELLING
(4099) NO. 3211 GARFIELD AVE., Alameda. One-story 5-room dwlg.
Owner—A. J. Burgner, 2505 Central Ave., Alameda.
Architect—None.
Day's work. $3250

ADDITION
(4100) NO. 1248 REGENT ST., Alameda. Addition.
Owner—Wm. Cockburn, Premises.
Architect—None.
Contractor—McIntosh Bros., 1020 San Antonio Ave., Alameda. $500

DWELLING
(4101) SAN JOSE AVE. bet. Willow and Walnut, Alameda. One-story six-room dwelling.
Owner—L. Soroni, San Francisco.
Architect—None.
Contractor—F. Theile, Alameda. $3600

DWELLING
(4102) NO. 2055 SANTA CLARA AVE., Alameda. One-story 5-room dwlg.
Owner—C. W. Dezen, 1814 8th St., Ala.
Architect—None.
Day's work. $3600

ADDITION
(4103) NO. 1415 UNION ST., Alameda. Addition.
Owner—Mrs. F. J. Larkin, Premises.
Architect—None.
Day's work. $475

DWELLING
(4104) NO. 2612 WASHINGTON ST., Alameda. One-story 5-room dwlg.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None
Day's work. $3500

BUILDING
(4105) E BROADWAY 100 N 17th St., Oakland. Building.
Owner—Frank H. Proctor, Easton Bldg., Oakland.
Architect—M. I. Diggs, Easton Bldg., Oakland.
Contractor—M. I. Diggs, Easton Bldg., Oakland. $50,000

DWELLING
(4106) W BRIDGE AVE 160 N E-16th St., Oakland. One-story 4-room dwelling.
Owner—Chas. F. Lee, 1212 Fruitvale Ave., Oakland.
Architect—None.
Day's work. $2400

DWELLING
(4107) E CHESTNUT 90 S 7th St., Oakland. One-story 4-room dwlg.
Owner—Manuel S. Alvanes, 546 Chestnut St., Oakland.
Architect—None.
Day's work. $600

DWELLING
(4108) S CRESCENT 200 W Perry St., Oakland. One-story 4-room dwlg.
Owner—J. Leveroni, 462 Crescent St., Oakland.
Architect—None.
Contractor—W. A. Anderson, 531 Van Buren St., Oakland. $3000

REPAIRS
(4109) NW EIGHTH AND WILLOW Sts., Oakland. Fire repairs.
Owner—Mrs. H. Harring, 522 Adeline St., Oakland.
Architect—None.
Contractor—A. H. Rose, 525 17th St., Oakland. $402

DWELLING
(4110) N EDITH 500 W Moraga Road, Oakland. One-story 6-room dwlg.
Owner—Mrs. G. L. Rosebrook, 5872 Ocean View Drive, Oakland.
Architect—None.
Contractor—G. L. Rosebrook. $4000

DWELLING
(4111) S 54TH ST 260 E Grove St., Oakland. Two-story 8-room dwelling.
Owner—Mrs. M. E. Butler, 747 54th St., Oakland.
Architect—None.
Contractor—Andrew Lundgren, 2334 Curtis St., Berkeley. $5000

DWELLING
(4112) E MERA 130 N Rosedale Ave., Oakland. One-story 4-room dwelling.
Owner—L. P. Glasgow.
Architect—None.
Contractor — E. C. Sydes, 4136 Mera St., Oakland. $2000

DWELLING
(4113) W 104TH AVE 60 N Biggerau, Oakland. One-story 4-room dwelling.
Owner—Geo. L. Hughson, 1608 Stuart St., Berkeley.
Architect—None.
Day's work. $2000

GARAGE
(4114) SW COR 7TH & CLAY STS., Oakland. One-story concrete garage.
Owner—Jos. Rosenberg, Bank of Italy Bldg., Oakland.
Architect—None.
Contractor—Harry B. Williams, Bank of Italy Bldg., Oakland. $19,940

DWELLING
(4115) NO. 4651 CALAVERAS ST., Oakland. One-story 4-room dwelling.
Owner—Mrs. M. Newman.
Architect—None.
Contractor—Wm. Mason. $600

DWELLING
(4116) N E-THIRTY-FOURTH 555 E Park Blvd., Oakland. One-story 5-room dwelling.
Owner—Jennie Hollenbeck, 3084 Richmond Ave., Oakland.
Architect—None.
Contractor—G. B. Hollenbeck, 3084 Richmond Ave., Oakland. $3500

DWELLING
(4117) S FIFTY-THIRD 40 E Adeline, Oakland. One-story 5-room dwlg.
Owner—F. B. Murdock, 2120 Emerson St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(4118) W FORTY-SIXTH AVE 114 S Melrose Ave., Oakland. One-story 5-room dwelling.
Owner—Hill & Walters, 1600 High St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(4119) S FOOTHILL BLVD. opp Austin St., Oakland. One-story 4-room dwelling.
Owner—W. H. Churchman, 3012 Tallant St., Oakland.
Architect—None.
Day's work. $1750

DWELLING
(4120) S HOPKINS 450 E Park Blvd., Oakland. One-story 5-room dwlg.
Owner—F. L. Brunson.
Architect—None.
Contractor —G. B. Hollenbeck, 3084 Richmond Ave., Oakland. $3500

DWELLING
(4121) SW JOHN AND HOWE STS., Oakland. One-story 5-room dwlg.
Owner—Carl Andersen, 4328 Howe St., Oakland.
Architect—None.
Contractor—Oscar B. Olsen, 9351 Howe St., Oakland. $3800

DWELLING
(4122) E MADERA AVE 54 N Fleming, Oakland. One-story 6-room dwelling.
Owner — C. N. Ehret, 2476 Mairs St., Oakland.
Architect—None.
Contractor—John Almquist, 5356 Trask St., Oakland. $4000

DWELLING
(4123) W MONTCLAIR AVE 50 S McKinley, Oakland. One and one-half-story 6-room dwelling.
Owner—R. W. Robie, 1600 Milvia St., Berkeley.
Architect—None.
Contractor—C. F. Scammon, 1600 Milvia St., Berkeley. $4500

DWELLING
(4124) E MODESTO AVE 515 N Fleming Ave., Oakland. One-story six-room dwelling.
Owner—C. H. Nesbitt, 7th Ave. and E-18th St., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Contractor—Harry W. Isaacs, Syndicate Bldg., Oakland. $4500

DWELLING
(4125) E MODESTO AVE 565 N Fleming Ave., Oakland. One-story six-room dwelling.
Owner—Leo. W. Nesbitt, E-20th St. and 17th Ave., Oakland.
Architect—None.
Contractor—Harry W. Isaacs, Syndicate Bldg., Oakland. $4500

BOILER ROOM
(2126) NO. 2236 NINETY-SIXTH AVE. Oakland. One-story brick boiler room.
Owner—Matsue Minami, Premises.
Architect—None.
Contractor—F. L. Warner, 696 20th St., Oakland. $600

DWELLING
(4127) E 107TH AVE 200 S E-14th St., Oakland. One-story 4-room dwlg.
Owner—W. H. Higgins, 9439 Foothill Blvd., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(4128) NO. 384 SIXTY-FIRST ST., Oakland. Complete dwelling.
Owner—G. Garibaldi, Bay View and Euclid, Oakland.
Architect—None.
Day's work. $800

ADDITION
(4129) SIXTH, WASHINGTON AND Clay Sts., Oakland. One-story brick addition to market.
Owner—Rohan, Roeth & Livingston, 514 Washington St., Oakland.
Architect—None.
Day's work. $30,000

STORES
NE COR. SHATTUCK AVE AND ALLston Way, Berkeley. One-story and basement concrete and brick stores.
Owner—Blanche L. Porter, Oakland.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Segregated contracts. $51,000
NOTE:—Recorded contracts reported Nov. 17, 1921, Nos. 4057 to 4063.

DWELLING
(4130) S CHANNING WAY 40 E Bonar, Berkeley. One-story 5-room dwelling.
Owner—M. P. Graves, 585 20th St., Oakland.
Architect—None.
Day's work. $3000

FLATS
(4131) S PRINCE ST 600 E College, Berkeley. Two-story 6-room flats.
Owner—Robert A. Peoples, 2112 Kittredge St., Berkeley.
Architect—None.
Contractor—Geo. Smith, 3315 E. 23rd St., Oakland. $4000

ALTERATIONS
(4132) 2301 PROSPECT ST., Berkeley. Alterations.
Owner—James Sutton, Premises.
Architect—None.
Contractor—S. J. Bertelsen, 351 12th St., Oakland. $495

DWELLING
(4133) E SHATTUCK AVE 150 S Los Angeles, Berkeley. One-story 5-room dwelling.
Owner—Minnie Bunker, 2947 Magnolia St., Berkeley.
Architect—None.
Contractor—O. M. Bullock, 303 Hudson St., Oakland. $4500

DWELLING
(4134) E BELGRAVE 50 N Napa St., Oakland. One-story 5-room dwelling.
Owner—C. J. Pfrang, 5448 Locksley Ave., Oakland.
Architect—None.
Day's work $5000

DWELLING
(4135) COR 84TH AVE AND BIRCH St., Oakland. One-story 5-room dwelling.
Owner—H. C. Wilkerson, 1615 84th Ave., Oakland.
Architect—None.
Day's work. $2000

REPAIRS
(4136) 1600 FLEMING AVE., Oakland Fire repairs.
Owner—George A. Pelton, Lodi, Cal.
Architect—None.
Day's work. $600

ALTERATIONS
(4137) NE COR 4TH AND BROADway, Oakland. Alterations.
Owner—Bruzzone Estate Co., Premises.
Architect—None.
Contractor—H. J. Christensen, Federal Bldg., Oakland. $2000

DWELLING
(4138) SW COR 45TH & MELROSE Aves., Oakland. One-story 6-room 2-family dwelling.
Owner—E. O. Francis, 3940 E. 14th St., Oakland.
Architect—None.
Day's work. $3500

REPAIRS
(4139) 372 45TH ST., Oakland. Repairs.
Owner—C. H. Peters, 610 30th St., Oakland.
Architect—None.
Contractor—Barr & Son, 52 Vernon St., Oakland. $1500

DWELLING
(4140) 620 LAKESHORE AVE., Oakland. One-story 6-room dwelling.
Owner—Dr. Claire Rasor, 753 Grand Ave., Oakland.
Architect—None.
Contractor—E. J. Felton, 353 Grand Ave., Oakland. $5500

DWELLING
(4141) S LOCKWOOD ST 400 E 73rd Ave., Oakland. One-story 4-room dwelling.
Owner—Wm. J. Souza, 1421 45th Ave., Oakland.
Architect—None.
Day's work. $1800

DWELLING
(4142) N PARK BLVD 90 E Van Dyke, Oakland. One-story 5-room dwelling.
Owner—L. C. Fish, 3rd Ave. and E. 16th St., Oakland.
Architect—None.
Contractor—Gordon Wiser, 1533 Virginia St., Oakland. $4000

RESHINGLING
(4143) PEARL & WALSWORTH ST., Oakland. Reshingling.
Owner—W. M. Berg.
Architect—None.
Contractor—Oliver Duval & Son. $3000

REPAIRS
(4144) 365 STATEN AVE., Oakland. Fire repairs.
Owner—B. D. Austin.
Architect—None.
Contractor—J. F. Shrader, 520 16th St., Oakland. $517

DWELLING
(4145) SE COR 73RD AVE & HAWley, Oakland. One-story 4-room dwelling.
Owner—H. Elliott, 1634 25th Ave., Oakland.
Architect—None.
Day's work. $1400

DWELLING
(4146) E SEMINARY AVE 69 N Muritania Ave., Oakland. One-story 5-room dwelling.
Owner—B. F. Fisher, Mills College, Oakland.
Architect—None.
Day's work. $2750

DWELLING
(4147) E 74TH AVE 250 N Garfield, Oakland One-story 5-room dwelling.

Owner—Mary A. Finch, 2640 74th Ave., Oakland.
Architect—None.
Contractor—G. L. Finch. $2500

ALTERATIONS
(4148) 1401 13th ST., Oakland. Alterations.
Owner—Louis Alberti.
Architect—None.
Day's work. $700

LOFT BLDG.
(4149) W WEBSTER 606 N 14th St., Oakland. Four-story reinforced concrete loft building.
Owner—Horwinski Co., 13th and Webster Sts., Oakland.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Segregated contracts. $60,000

PERMITS

DWELLINGS
(4150) 1130-1134-1138 ALLSTON WAY, Oakland. Three 1-story 5-room dwellings.
Owner — Emeryville Investment Co., 3840 San Pablo Ave., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Thomas Rutherford, 985 35th St., Oakland. $3500 ea.

ALTERATIONS
(4151) 2717 DERBY ST., Berkeley. Alterations to dwelling.
Owner—W. G. McKeon, Premises.
Architect—None.
Contractors—Calif. Builders Co., 1534 Franklin St., Berkeley. $4000

ALTERATIONS
(4152) 2022 GRANT ST., Berkeley. Alterations.
Owner—V. Ronbell, Premises.
Architect—None.
Contractor—Geo. A. MacDonell, 2425 Spaulding Ave., Berkeley. $500

DWELLING
(4153) 1115 PARKER ST., Berkeley. One-story 4-room dwelling.
Owner—R. T. Cushing, 693 Brockhurst, Oakland.
Architect—None.
Day's work. $2500

DWELLING
(1154) W BRYANT AVE 200 S Manila, Oakland. One-story 8-room 2-family dwelling.
Owner—Allen H. Waas, 5308 Boyd Ave., Oakland.
Architect—None.
Contractor—Geo. W. Nunes, 5430 Dover St., Oakland. $6000

DWELLINGS
(4155) S MANILA AVE 250, 290, 325 E College Ave., Oakland. Three 1-story 4-room dwellings.
Owner—Allen H. Waas, 5308 Boyd Ave., Oakland.
Architect—None.
Contractor—Geo. W. Nunes, 5430 Dover St., Oakland. $3000 ea.

ALTERATIONS
(4156) 575-7 APGAR ST., Oakland. Alterations.
Owner—Ben Maglione.
Architect—None.
Contractor—C. M. Flewelling, 1625 E-14th St., Oakland. $2800

FLATS & STORES
(5157) N E-14TH ST 60 W 2nd Ave., Oakland. Two-story 8-room flats and stores.
Owner—Mrs. F. V. Larsen, 1402 2nd Ave., Oakland.
Architect—None.
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Piedmont. $11,000

DWELLING
(4158) S 54TH ST 100 W Grove Se., Oakland. One-story 5-room dwelling.
Owner—Mrs. L. Bianchi, 5301 Lawton, Oakland.
Architect—None.
Contractor—A. W. Allen & Sons, 1556 Leroy Ave., Berkeley. $2975

ALTERATIONS
(4159) 132 4TH ST., Oakland. Alterations.
Owner—Chew Kuang, 130 4th St., Oakland.
Architect—None.
Contractor—Frank Yick, 300 8th St., Oakland. $500

ADDITION
(4160) 1823 GOSS ST., Oakland. Addition.
Owner—Frank P. Madruga.
Architect—None.
Contractor—A. Phillips, 2831 Helen St., Oakland. $420

DWELLING
(4161) N HOPKINS ST 150 W Park Blvd., Oakland. One-story 6-room dwelling.
Owner—D. F. Barker, 539 Jones St., Oakland.
Architect—None.
Contractor—A. T. Hendricks, 47 Fairview Ave., Piedmont. $5000

FLATS
(4162) E MYRTLE ST 200 S-21st St., Oakland. Two-story 8-room flats.
Owner—P. Doran, 2006 Myrtle St., Oakland.
Architect—None.
Day's work. $4000

DWELLINGS
(4163) NW COR 90TH AVE AND B St., Oakland. Two one-story 4-room dwellings.
Owner Nels Edward Nelson, 8910 G St., Oakland
Architect—None.
Day's work. $1500 ea.

CLASS ROOM
(4164) E 98TH AVE 200 S E-14th St., Oakland. One-story classroom.
Owner—Elmhurst Presbyterian Ch.
Architect—None.
Day's work. $1000

DWELLING
(1165) NE COR 101ST AVE & COMmunity, Oakland. One-story 4-room dwelling.
Owner—P. J. Snowberger, 1000 101st Ave., Oakland.
Architect—None.
Day's work. $2000

DWELLING
(4166) N ROCKRIDGE BLVD 1000 E Broadway, Oakland. One-story 5-room dwelling.
Owner—C. J. Pfrang, 5448 Locksley Ave., Oakland.
Architect—None.
Day's work. $5000

ADDITION
(4167) FOOT 22ND AVE., Oakland. Addition.
Owner—Calif. Wire Cloth Co.
Architect—None.
Contractor—H. J. Christensen, Federal Bldg., Oakland. $1500

DWELLING
(4168) S WELD ST 300 E 73rd Ave., Oakland. One-story 5-room dwelling
Owner—C. M. Murphy, 7421 Weld St., Oakland.
Architect—None.
Contractor—Murphy & Volkman, 6927 E-14th St., Oakland. $2500

RECORDED

LOFT BLDG.
(4169) NW COR 14TH & WEBSTER Sts. N 60-6 to pt begin N 50 W 150, Oakland. Plumbing and heating and sheet metal work for 4-story reinf. concr. store and loft bldg.
Owner—The Horwinski Co., 361 13th St., Oakland.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.
Contractor—Oscar L. Zeis, 912 E 16th St., Oakland.
Filed Nov. 22, '21. Dated Nov. 21, '21.
Second floor in place.....$1250
Roof in place..... 1250
Completed 1250
Usual 35 days 1420
TOTAL COST, $5170
Bond $2600; sureties, John B. Hottes and Alfred Peterson; forfeit, $25 day; limit, without delay. Plans and specifications filed.

(4170) ELECTRICAL WORK ON above.
Contractor—Advance Electric Co., 350 12th St., Oakland.
Filed Nov. 22, '21. Dated Nov. 21, '21.
Payments same as above.
TOTAL AMOUNT, $1146.50
Forfeit, sureties, none; forfeit, $25 day; limit, without delay. Plans and specifications filed.

DWELLING
(4171) LOTS 8 BLK 25 AMENDED Map Fairmount Park, Albany. One-story dwelling.
Owner—M. A. Shakelford.
Architect—Not given.
Contractor—J. Walter West, 717 Jackson St., Oakland.
Filed Nov. 22, '21. Dated Nov. 16, '21.
Sight drafts on Fidelity & Mtg. Co. of Calif.
TOTAL COST, $3850
Bond, $1925; surety, Katharine A. West; forfeit, none; limit, 90 days. Plans and specifications filed.

ALTERATIONS
(4172) NO. 1601 TYLER ST., Berkeley. Alterations.
Owner—E. Parker, 1632 Tyler St., Berkeley.
Architect—None.
Contractor—W. E. Adams, 4319 Gilbert St., Oakland. $1000

DWELLING
(4173) COR BLAIR & EL CERRITO, Piedmont. Two-story frame dwlg.
Owner—F. J. Theile, 3011 Encinal Ave., Alameda.
Architect—None.
Day's work. $4000

DWELLING
(4174) GRAND AND ROSE AVES., Piedmont. Two-story frame dwlg.
Owner—F. F. Carius, 6284 San Pablo Ave., Oakland.
Architect—None.
Day's work. $6500

DWELLING
(4175) W MUIR AND LA SALLE AVES Piedmont. Three-story frame dwelling.
Owner—W. A. Riley, Hotel Oakland.
Architect—None.
Contractor—B. F. Kopf, 1015 82nd Ave., Oakland. $12,000

DWELLING
(1176) SHERIDAN AND CAPERTON Sts., Piedmont. Two and one-half-story frame dwelling.
Owner—F. Macomber.
Architect—None.
Contractor—W. E. Whalin, 323 Lester Ave., Oakland. $10,700

DWELLING
(1177) SE VIEW AND UNION STS., Piedmont. Three-story frame dwelling.

Owner—A. H. Breed, Oakland Bank of Savings Bldg., Oakland.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor—S. B. Hall, 1546 Adeline St., Oakland. $29,000

DWELLING
(4178) E BANTER 230 N Galindo St., Oakland. One-story 6-room dwlg.
Owner—J. R. Swanson, 2[illegible] Sexton St., Oakland.
Architect—None.
Day's work. $2000

ALTERATIONS
(4179) NO. 185 FORTIETH ST., Oakland. Alterations.
Owner — P. J. Healy, 39 Mac Ave., Piedmont.
Architect—None.
Day's work. $750

DWELLING
(4180) N MANDANA BLVD 150 E Paloma, Oakland. One-story 5-room dwelling.
Owner—C. P. Pond, 2315 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $2800

ADDITION
(4181) NO. 2255 RANSOME AVE., Oakland. Addition.
Owner—W. J. Baker, Premises.
Architect—None.
Day's work. $[illegible]

ALTERATIONS
(4182) NO. 4811 SHATTUCK AVE., Oakland. Alterations.
Owner — W. W. Moreland, 5026 Dover St., Oakland.
Architect—None.
Contractor—L. G. Geary, 521 [illegible] St., Oakland. $2000

SERVICE STATION
(4183) SE SCHOOL AND PLEITNER, Oakland. One-story brick service station.
Owner—Bernard L. McCarron [illegible] Pleitner, Oakland.
Architect—None.
Day's work. $[illegible]

RECORDED

EXCAVATING
(4184) NW COR E-14TH ST & STANley Ave. NE 1031-69 NW 780-90 SW 1032-49 SE 781-89, Oakland. Excavation for 2-story concrete factory.
Owner—Durant Motor Co. of Calif., through agent, P. J. Walker Co., Monadnock Bldg., San Francisco
Architect—Not given.
Contractor—P. H. Hoare.
Filed Nov. 23, '21. Dated Nov. 18, '21. 10th and 25th day each month..75%
Usual 35 days 25%
TOTAL COST. $7000
Bond, $7000; surety Globe Indemnity Co.; forfeit, none; limit, as soon as possible. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

Nov. 23, 1921—LOT 13 BLK [illegible] Piedmont Knoll, Oakland. [illegible] Swanson to whom it may concern. [illegible] Nov. 23

Nov. 23, 1921—LOT 2 and E [illegible] Lot 2 Resubdiv. Lots 3 and 4 Blk [illegible] College Homestead, Okd. Hiram S Brasfield to Walter Sorensen. [illegible] Nov. 22, 1921

Nov. 23, 1921—LOT 5 BLK 11 Map Northbrae, Berkeley. Tom H Whedon to whom it may concern. [illegible] Nov. 23, 1921

Nov. 23, 1921—E [illegible] Lot [illegible] and W [illegible] Lot 31 Map [illegible] Oakland. G M [illegible] Lawrence L Lucas. [illegible] Nov. 19, 1921

Nov. 23, 1921—W BRUSH [illegible] Fifteenth N 73-5xW [illegible] H S Basker to California Barrel Co. [illegible] Nov. 22, 1921

Nov. 22, 1921—S CALIFORNIA [illegible] Maple Ave., Oakland. W R [illegible] to whom it may concern. Nov. 22, 1921

Nov. 22, 1921—LOT 14 Lot [illegible] & Ucovich Subdiv., Hayward. E Jacobs to Charles Van Epp & Son. [illegible] Nov. 9, 1921

Nov. 22, 1921—LOT 7 Robinson & Ucovich Subdiv., Hayward. E Jacobs to Charles Van Epp & Son. [illegible] Nov. 9, 1921

Nov. 19, 1921—LOT 24 BLK 3, Claremont, Berkeley. H L Traub to F W Thanter. [illegible] Nov. 15, 1921

Nov. 19, 1921—LOT 4 and NW 10 Lot 3, Fourth Avenue Heights, Oakland. Geo A Schuster to whom it may concern. [illegible] Nov. 18, 1921

Nov. 19, 1921—LOT 1 BLK 19 Map Fourth Avenue Terrace, Oakland. Frank B Hoyt to Burrill & Sherrey. [illegible] Nov. 18, 1921

Nov. 17, 1921—NO. 289 RIDGEWAY, Oakland. Amanda Sandman to George Smith. [illegible] Nov. 16, 1921

Nov. 18, 1921—LOT 24 BLK "E" East Piedmont Heights, Oakland. Walter F Price to F N Strang. [illegible] Nov. 1, 1921

Nov. 18, 1921—LOTS 9 AND 10 BLK 16, Regents Park No. 8, [illegible], W R White to Hamilton & Osborne. [illegible] Nov. 17, 1921

Nov. 18, 1921—LOT 13 BLK 2257 Map Silva Blks 2256, 2257 and 2258, Vandez Tract, Oakland. K A and Lillian A Barker to M C Wenthy & Greenleaf. [illegible] Nov. 18, 1921

Nov. 18, 1921—S UNIVERSITY AVE 145 E Grant S 138NE 50, Berkeley. Edna Curtis Cooper and Wm John Cooper by Berkeley Branch Oakland Bank of Savings to Roy O Long Co. [illegible] Nov. 15, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

Nov. 23, 1921—SW E-21ST ST 390 SE 5th Ave SE 40 SW 125 Oakland. Hauri and Wierk vs Amelia H and W Henry and W J Wilkinson. $700.50

Nov. 23, 1921—LOT 24 BLK E Map East Piedmont Heights, Oakland. Louis H Spott (Spott Electrical Co.) vs Fred N Strang and W Price. [illegible] $90.00

Nov. 23, 1921—LOT 24 BLK E Map East Piedmont Heights, Oakland. Inlaid Floor Co vs Fred N Strang and W Price. [illegible] $274.46

Nov. 23, 1921—LOT 8 BLK C Map Fourth Avenue Terrace, Oakland. Bird Rymer Co vs F N Strang, E L and E J Olsen. [illegible] $75.00

Nov. 23, 1921—LOT 8 BLK C Map Fourth Avenue Terrace, Oakland. J F Ellis (National Roofing Co) vs Fred N Strang, E L and E J Olsen. [illegible] $117.00

Nov. 23, 1921—LOT 2 BLK 6 Map [illegible] Oakland. C L Adams vs W Lucas, Fred N Strang, Lakeside Highland Co. [illegible] $[illegible]

Nov. 23, 1921—LOT 13 BLK C Map Excelsior Heights, Oakland. C L Adams vs L A and E [illegible] $[illegible]

Nov. 23, 1921—LOT 2 BLK D Map Oakland Highlands, Oakland. Oakland Roofing Material Co vs L E and Alice M [illegible] $60.50

Nov. 18, 1921—[illegible] Ellis [illegible] SE [illegible] SW [illegible] Lillian & Kendall W [illegible] $[illegible]

Nov. 21, 1921—[illegible] LOT 12 BLK [illegible] Map [illegible] Homestead [illegible] Mell & Lindley Co. [illegible] $[illegible]

Nov. 21, 1921—LOT 8 BLK [illegible] Map [illegible] Fourth Ave. Terrace, Oakland. California Door Co vs Fred N Strang, E L and E J Olsen. [illegible] $188.15

Nov. 18, 1921—LOT 14 AND SE 13 Lot 13 Blk 1, Map Lake Shore Highlands, Oakland. W P Fuller & Co vs Fred Strang and Anna and Louis Garland. [illegible] $175

Nov. 18, 1921—NE 37-6 LOT 32 BLK "B" Map Lands of Oakland View Homestead Association, Oakland. California Door Co vs E B Kennedy. [illegible] $165.20

Nov. 18, 1921—LOT 24 BLK "E" Map East Piedmont Heights, Oakland. City C Fry, $16.81; Powell Bros., Inc., $49.70 vs Fred N Strang and W Price. [illegible]

Notice of Non-Responsibility

ALAMEDA COUNTY

Nov. 22, 1921—SW 20 LOT 2 and NE 15 Lot 3 Blk 24, Map Key Route Heights, Oakland. Alameda Investment Co as to improvements on property. [illegible]

HOMESTEADS

ALAMEDA COUNTY.

Recorded Amount

Nov. 23, 1921—PTN 100 ACRE TCT described Deed George and Carrie R Sterling to Mutual Investment Co Liber 966 Page 157, Oakland. Maude A and Edward G Fisher. $2000

Nov. 23, 1921—SE GRIFFITH AVE 150 NE Carrington NE 40 SE 120, Oakland. Katherine C Gibbs. $5000

Nov. 22, 1921—LOT 27 BLK "J" Map Fourth Ave. Terrace, Oakland. Adelina Botelho (wf Joseph P). $5000

Nov. 22, 1921—N SEVENTH 125 W Madison W 25xN 100, Okd. John and Ida Simonetti. [illegible] $4000

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
5[illegible] 42ND ST, Sacramento. One-story 6-room dwelling.
Owner—J. W. Killer, 4481 "F" St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, 2926 "S" St., Sacramento. $3400

DWELLING
4242 4TH AVE., Sacramento. One-story 4-room dwelling.
Owner—H. Northey, 3014 43rd St., Sacramento.
Architect—None.
Day's work. $1800

DWELLING
2[illegible] "E" ST., Sacramento. One-story 5-room dwelling.
Owner—E. Ferrera, 628 "I" St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 "I" St., Sacramento. $3800

DWELLING
[illegible] FRANKLIN, Sacramento. One-story [illegible] room dwelling.
Owner—J. Stanton, 9th and "I" Sts., Sacramento.
Architect—None.
Contractor—J. W. Hoops. $4500

DWELLING
[illegible] ST., Sacramento. Two-story [illegible] dwelling.
Owner—Wade & Terry, 5717 "J" St., Sacramento.
Architect—None.
Day's work. $4500

DWELLING
[illegible] Sacramento. One-story [illegible] room dwelling.

Owner—R. L. Brooks, 817 "J" St., Sacramento.
Architect—None.
Contractor—Brown & Furlotte, 905 "N" St., Sacramento. $1850

DWELLING
1316 43RD ST., Sacramento. One-story 6-room dwelling.
Owner—W. Read, 2217 "G" St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 "I" St., Sacramento. $6475

REPAIRING
1011 "K" ST., Sacramento. Repair fire loss.
Owner—Hippodrome Co., 1013 "K" St., Sacramento.
Architect—None.
Contractor—Barton & Dudley, 619 "J" St., Sacramento. $5000

DWELLING
524 "U" ST., Sacramento. One-story 5-room dwelling.
Owner—C. Sjogren, Los Angeles.
Architect—None.
Contractor—F. L. Terra, 1704 "W" St., Sacramento. $2000

DWELLING
2301 22ND ST., Sacramento. One-story 5-room dwelling.
Owner—Mrs. F. Leary, 2501 "P" St., Sacramento.
Architect—None.
Contractor—C. J. Hopkinson, 1318 25th St., Sacramento. $2800

DWELLING
2127 "N" ST., Sacramento. One-story 5-room dwelling.
Owner—E. Duterle, 1404 14th St., Sacramento.
Architect—None.
Contractor—C. J. Hopkinson, 1318 25th St., Sacramento. $3600

BUILDING
E½ LOT 7, "H," "I," 21ST AND 22ND Sts. Sacramento. Building.
Owner—Mrs. Pearl T. and J. F. Jones.
Architect—None.
Contractor—J. W. Case and E. E. Simmons, Sacramento. $1550
Filed Nov. 16, '21. Dated Nov. 16, '21.

FRAME FLATS
NO. 2221 TWENTY-SECOND ST., Sacramento. Two-story frame (4) flats.
Owner—A. E. Ash, 708 12th St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento. $11,500

SCHOOL BLDG.
FRANKLIN BLVD. Bet. 7th and 9th Aves., Sacramento. Two-story concrete and brick school.
Owner—Sacramento City School District.
Architect—Hemmings-Hudnutt & Petersen, Library Bldg., 9th and "L" Sts., Sacramento.
Contractor—K. E. Parker Co., Clunie Bldg., Sacramento. $184,600
Dated Nov. 9, '21. Filed Nov. 18, '21.

DWELLING
NO. 1604 N ST., Sacramento. One-story 5-room dwelling.
Owner—L. M. Shelley.
Architect—None.
Contractor—Andrews & Leslie, 3022 33d St., Sacramento. $2000

GARAGE
THIRTY-FOURTH AND R STS., Sacramento. Garage, etc.
Owner—California Highway Commission.
Architect—None.
Contractor—W. E. Hopper & Son, 351 12th St., Oakland. $67,438

REPAIRS
NO. 1013 K ST., Sacramento. Repair theatre.
Owner—Empress Theatre, Premises.
Architect—None.
Day's work. $23,454

DWELLING
NO. 3000 E ST., Sacramento. One-story 5-room dwelling.
Owner—J. C. Carly Co., 823 J St., Sacramento.
Architect—None.
Contractor — South Curtis Oaks, 1755 Stockton Blvd., Sacramento. $3100

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Nov. 16, 1921—LOT 4 BLK 24 SOUTH Sacramento. W. D. McKoy as Property Owners' Protective Assn. vs Carl Smidian and Knud Larsen $37.25
Nov. 16, 1921—N 50 S 80 PT LOTS 4 and 5 Hoffmier Tct., Sacramento. W. D. McKoy as Property Owners' Protective Assn. vs H. Harvey and W. D. McKisson $46.40

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
1260 ECHO AVE., Fresno. Dwelling.
Owner—W. W. Lowther, 1258 Echo St., Fresno.
Architect—None.
Day's work. $2500

RECORDED

SCHOOL BLDG.
MALAGA SCHOOL DISTRICT, Fresno County. Six-room and auditorium School.
Owner—Malaga School District.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Brown & Stafford, Madera, Cal.
Filed Nov. 16, '21. Dated Nov. 14, '21.
1st and 15th each month.....75%
Usual 35 days 25%
TOTAL COST, $37,808
Bond, $20,000; sureties, A. E. Christiana and Ray P. Dearborn; forfeit, $10 day; limit, 120 days. Plans and specifications filed.

INSTALLATION OF PLUMBING AND heating system on above.
Contractor — Barrett-Hicks Co., 1135 Broadway, Fresno.
Filed Nov. 16, '21. Dated Nov. 14, '21.
½ completed $1500
Completed 1500
Usual 35 days 1903
TOTAL COST, $4903
Bond, $2600; surety, American Surety Co. of N. Y.; forfeit, $10 day; limit, 120 days. Plans and specifications filed.

GARAGE
1465 N. VAN NESS AVE., Fresno, Cal. Garage.
Owner—C. W. Cook.
Architect—None.
Day's work. $4000

SHOP
NO. 704 R ST., Fresno. Shop.
Owner—H. G. Rohr, 3077 Illinois St., Fresno.
Architect—None.
Contractor — Trewhitt-Shileds Co., Rowell Bldg., Fresno. $7000

DWELLING
NO. 445 MODOC ST., Fresno. Dwelling
Owner—J. W. Steeje, 1339 J St., Fresno
Architect—None.
Day's work. $1140

DWELLING
NO. 1261 AEDLINE ST., Fresno. Dwelling.
Owner—E. Ahlberg.
Architect—None.
Day's work. $4000

DWELLING
NO. 1534 ROOSEVELT AVE., Fresno. Dwelling.
Owner—Wm. A. Moss.
Architect—None.
Day's work. $4000

DWELLING
NO. 656 TERRACE ST., Fresno. Dwlg.
Owner—G. McDougal.
Architect—None.
Contractor—J. W. Moore, 1331 N St., Fresno. $4000

DWELLING
NO. 3522 LYELL ST., Fresno. Dwlg.
Owner—I. F. Stoner.
Architect—None.
Day's work. $3000

DWELLING
NO. 1264 VAGEDES ST., Fresno. Dwelling.
Owner—Fresno Bldg. Cptn., 3505 Platt St., Fresno.
Architect—None.
Day's work. $3900

SCHOOL
600 BLOCK on B St., Fresno. School.
Owner—Fresno City School District, High School Bldg., Fresno.
Architect—None.
Day's work. $18,054

DWELLING
NO. 4151 KERCKHOFF AVE., Fresno. Dwelling.
Owner—J. B. Guinn, 1445 O St., Fresno.
Architect—None.
Contractor — C. E. Buckmaster, 3220 Platt St., Fresno. $5300

DWELLING
NO. 131 COAST AVE., Fresno. Dwlg.
Owner—H. M. Kirkner, Premises.
Architect—None.
Day's work. $2900

DWELLING
NO. 642 ECHO AVS., Fresno. Dwelling.
Owner—G. W. Wilkinson.
Architect—None.
Day's work. $6000

DWELLING
NO. 1602 DEL MAR ST., Fresno. Dwelling.
Owner—Carl Gustafson.
Architect—None.
Day's work. $3000

DWELLING
NO. 503 BELMONT AVE., Fresno. Dwelling.
Owner— E. S. Kallman, Belmont and West Sts., Fresno.
Architect—None.
Day's work. $3000

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Nov. 16, 1921—PERSHING SCHOOL District. Board of Trustees, Pershing School District to whom it may concern.....Nov. 5, 1921
Nov. 16, 1921—LOTS 37 AND 38, Harrison and Euless Tract, Fresno. A D Trusdell to whom it may concern.....Nov. 15, 1921
Nov. 16, 1921—LOTS 9 AND 10 BLK 2, Osborn Tract, Fresno. Roy Martin to whom it may concern.....Nov. 15, 1921
Nov. 16, 1921—LOTS 31 AND 32 BLK 186, Fresno. Jacob Chavoor to whom it may concern..Nov. 11, 1921

BUILDING CONTRACTS

SANTA CLARA COUNTY

GARAGE
SE COR FIRST & WILLIAM, San Jose. Reinforced concrete garage.
Owner—The Rincon Realty Co.
Architect—Jno. H. Powers, 460 Montgomery St., San Francisco.
Contractor—Cahill-Vensano, 110 Sutter St., San Francisco. $94,000

ALTERATIONS
SANTA CLARA AND 17TH, San Jose. Alterations.
Owner—Am. Dairy Co., Premises.
Architect—Berry & Co., Engineers.
Contractor—G. M. Latta, 95 Viola, San Jose. $8000

COTTAGE
S 15TH NR WILLIAM, San Jose. Six-room cottage.
Owner—Barnett & Phelps, 7 N-1st St., San Jose.
Architect and Contractor—J. A. Wagner, 320 S. 15th St., San Jose. $3950

APT. HOUSE
SIXTH AND SAN SALVADOR, San Jose. Two-story apartment house.
Owner—Hiram Thompson, 257 S. 3rd St., San Jose.
Architect and Contractor—Lewis & Nelson. $12,000

COTTAGE
MASTIC NR HUMBOLDT, San Jose. Four-room cottage.
Owner—Wm. H. O'Neil, 500 N. 15th St., San Jose.
Plans by Owner.
Day's work. $1850

ALTERATIONS
FOURTH AND JULIAN, San Jose. Alterations.
Owner—Mrs. E. M. White, Premises.
Architect—None.
Contractor—L. I. Kelly, 810 Prevost St., Fresno. $1950

COTTAGE
1158 S SIXTH, San Jose. Five-room cottage.
Owner—C. B. Di Christina.
Architect—None.
Day's work. $2000

COTTAGE
435 N 14TH, San Jose. Six-room cottage.
Owner—A. E. Correa.
Architect and Contractor—A. M. Elliott. $2750

COTTAGE
S TENTH NR VIRGINIA, San Jose. Five-room cottage.
Owner—John Gossett.
Architect and Contractor—E. E. Weldon, 115 N. 33rd St., San Jose. $3340

COM. GARAGE
S FIRST NR VIRGINIA, San Jose. Com. garage.
Owner—Geo. E. Powell, 284 N. 1st St., San Jose.
Architect—None.
Contractor—Z. O. Field, 130 S. Market St., San Jose. $6000

RECORDED

1836 BRYANT ST., Palo Alto, Cal. One-story frame bungalow.
Owner—Clifford G. Griffin and Beatrice M. Griffin, his wife, Palo Alto, Cal.
Architect—Not given.
Contractor—George B. Moore, Mayfield, Cal.
Filed Nov. 22, '21. Dated Nov. 19, '21.
When frame is up.....$712.50
1st coat of plaster is on and exterior completed 712.50
Completed and accepted..... 712.50

(Continued on Page 30)

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F. H. Rice
J. W. Jenks

Usual 35 days 712.50
TOTAL COST, $2850.00
Bond, sureties, none; forfeit, $2 a day; limit, 65 working days after Nov. 21, 1921. Plans and specifications filed.

FRAME HOUSE
HESTER TRACT, San Jose, Cal.. All work except excavating for 5-room frame house.
Owner—A. Russell, 330 S-3rd St., San Jose, Cal.
Architect—None.
Contractor—B. Quinet, San Jose, Cal.
Filed Nov. 22, '21. Dated Nov. 16, '21.
When frame is up.....$1020.50
When plastering is on 1020.50
When bldg. is completed and accepted and all bills paid 2041.00
TOTAL COST, $4082.00
Bond, $2041; sureties, Geo. W. Dobson and Christina Anderson; forfeit, none; limit, 90 working days from Nov. 16, 1921. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Nov. 21, 1921—GILROY, Cal. Keith Hall Co to Wm Radtke Nov. 18, 1921
Nov. 19, 1921—SAN JOSE, Cal. Carrie Emma Gene Elder to whom it may concern .....Nov. 17, 1921
Nov. 19, 1921—SAN JOSE, Cal. William Connell to Edwin Stoght.... .....Nov. 12, 1921
Nov. 19, 1921—BETWEEN NILES & San Jose, Cal. Western Pacific Railroad Co. to McClay & Dunlop (co-partners) .....Nov. 5, 1921
Recorded Accepted
Nov. 18, 1921—GILROY, Cal. J M Radin and Louis Cupich to William Radtke.....Nov 15, 1921
Nov. 18, 1921—PALO ALTO. Ruth M Stedman to W S Couter.Nov. 16, 1921

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

WEST SIDE UNION HIGH SCHOOL District. Tracy, San Joaquin Co. One - story reinforced concrete gymnasium building.
Owner—West Side Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Contractor—O. C. Holt, Turlock, Cal. $33,451.55
Filed Nov. 15, '21. Dated Oct. 28, '21. Limit, 90 days.

RESIDENCE
E. NORTH ST., Stockton. Residence.
Owner—John Pengilly, 520 S. Ophir, Stockton.
Architect—None.
Day's work. $2800

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RESIDENCE, ETC.
SOUTH COMMERCE ST., Stockton. Residence and garage.
Owner—W. L. Cook, 30 W. 3rd St., Stockton.
Architect—None.
Day's work. $2000

RESIDENCE
W. JACKSON ST., Stockton. Residence.
Owner—A. E. Costa, 322 Wall St., Stockton.
Architect—None.
Day's work. $1950

RESIDENCE
WEST CASTLE ST., Sacramento. Residence.
Owner—Frank Guncharo, Stockton.
Architect—None.
Day's work. $2700

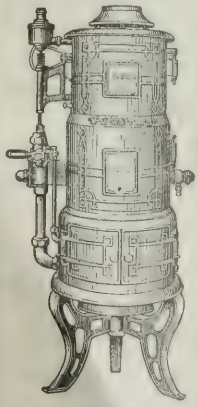
RESIDENCE, ETC.
WEST ROSE ST., Stockton. Residence and garage.
Owner—Arthur Paulsom, 2264 E. Market St., Stockton.
Architect—None.
Day's work. $3100

RESIDENCE
RESIDENCES, ETC.
ARCADIA ST., Stockton. Two residences and garages.
Owner—W. Coale, Farmers & Merchants Bank Bldg.
Architect—None.
Day's work. $3000 ea. Garage $200

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Nov. 18, 1921—LOT 12 BLK 36, Lyon & Hoag Sub. Town of Burlingame,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Burlingame. Max Horn to Charles L Bell.....Nov 12, 1921.

Nov. 18, 1921—LOT 12, Burlingame Heights. Martin Meyer to Lewis Robertson.....Nov. 17, 1921

Nov. 16, 1921—BOURN PLACE near S end of Crystal Springs Lake, San Mateo. Empire Mines Investment Co for W B Bourn to Brode Iron Works.....Nov 3, 1921

Nov. 14, 1921—SUB 17 BLK 45, Lyon & Hoag Sub, Burlingame. Pete Massoni to whom it may concern .....Nov. 14, 1921

Nov. 12, 1921—LOT 7 BLK 1 EASTON Addition to Burlingame, Burlingame, Cal. John H. Wilson to whom it may concern...Nov. 12, 1921

Nov. 10, 1921—LOT 64'x4" on El Camino Real by 99' 3" on Santa Inez Ave., San Mateo. San Mateo Woman's Club House Association, Inc. signed by Grace Jewett, Agent to Chas Pederson.....Nov. 3, 1921

Nov. 10, 1921—LOT 38 Homestead Addition, Third Township. William & Grace Schimmele to W T Coop and J E Bale.....Nov. 3, 1921

Nov. 9, 1921—LOT 10 BLK 6, Burlingame on Ansell Road. Lewis A Nelson to whom it may concern... .....Nov. 8, 1921

LIENS FILED

SAN MATEO COUNTY

Nov. 17, 1921—LOT 12A BLK 31 Lyon & Hoag Sub Town of Burlingame, Burlingame, Calif. J. Heckenkemper vs James A. Hartman. $68.00

GLASS STANDARDIZATION PROPOSED BY BUREAU OF STANDARDS

Standardization of the different kinds, qualities and sizes of window and plate glass used as a building material and for many other purposes was discussed at a recent conference between glass distributors, architects and engineers of the Bureau of Standards of the Department of Commerce at the Bureau of Standards.

Confusion is declared to exist in the glass and glazing fields so far as qualities and sizes of glass are concerned, and this conference outlined a program that will be participated in by the manufacturers, distributors, architects and the Bureau of Standards, and which it is believed will result in the elimination of unnecessary sizes, standardize quality and enable a more efficient use of this building material that is becoming more important as industrial and domestic architecture demands more light through increased window area.

The task, as outlined at the conference, included the formation of a commercially usable scientific classification of glass. At present building glass is classified as rolled plate glass, blown cylinder or drawn sheet glass. The plate glass includes polished glass ranging in grade from that used for the highest quality mirrors to that used for skylights, different kinds of glass in which wire netting has been placed to prevent shattering and ornamental glass of various sorts. The drawn sheet glass is used for windows in different qualities.

Committees were designated by the conference to gather data on and consider three phases of the window and plate glass situation.

The nomenclature in the glass industry will be studied and an effort made to define trade terms that are likely to be used with various meanings.

Another group of interested men will consider the important subject of the simplification and standardization of the sizes and qualities. Data presented at the conference showed that one jobber alone stocked more than 150 sizes of single strength window glass and nearly as many sizes of double strength window glass. It is believed that the total number of different sizes will greatly exceed this number.

Polished plate glass is now made in thicknesses ranging from one-eighth of an inch to one and one-half inches, with weights per square foot of from two to twenty pounds. But the most commonly used thicknesses are from three-sixteenths to five-sixteenths of an inch. Plate glass can be made in practically any size up to 250 square feet, with minimum dimensions not more than 12 feet by 21 feet. From these figures it can be realized what is the magnitude of the task before this committee.

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Because a girder didn't "girt,"
Gets ground beneath men's feet like dirt?
—The Draughtsman.
Who is it, when the bridge don't stay,
(An earthquake knocked his piers away),
Must foot the bill out of his pay?
—The Draughtsman.
Who is it, when when figures dance
But if he figures wrong, by chance,
Gets soaked on jaw and kicked in pants?
—The Draughtsman.
Who is it, when the victory's won,
Hears Chief say, "Well, I'VE got this done!
Quick, Beanie, hustle out this one?"
—The Draughtsman.
Who is it takes pride in his work,
Will never give up, never shirk
And on a problem late will lurk?
—The Draughtsman.
Who is it, to himself often winks:
"I've got it on most other ginks—
My job takes grit and pluck and 'thinks'?"
—The Draughtsman.
—From the Boston Post.

NEW PROCESS OF MANUFACTURING GYPSUM PLASTER

A new process for the manufacture of gypsum plasters has been perfected by the U. S. Gypsum Company. The plaster made by the new process is known as Synized Plaster. This process consists of sealing each minute particle of gypsum against atmospheric moisture. It is stated that the plaster loses none of its sand-carrying capacity, even when stored for many months; that it does not go "dead," while in storage, and being always "fresh," assures full coverage. Other economies claimed for this plaster are the rapidity with which it takes the water in mixing, and its unusual plasticity under the trowel. The product has been standardized throughout the country at the various United States Gypsum Company plants.

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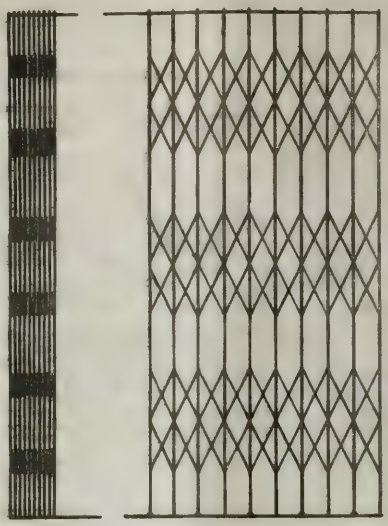

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SAN FRANCISCO, CALIF., DECEMBER 3, 1921

Issued Every Saturday
Twenty-first Year, No. 49

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CALIF., DECEMBER 3, 1921 — Twenty-first Year, No. 49

No. 560 Mission Street,
San Francisco, Calif.
MRS. L. A. LARSEN, Publisher
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EXPERIMENTS WITH ADVERSE SOIL

In order to test different methods of treating adverse sub-soils upon which paving is to be laid, the California Highway Commission is about to institute a series of experiments on a section of road now being constructed in Solano County, from Denverton to Rio Vista. Nine sections, each 500 feet long, will be treated as follows:

Section 1. This section will be treated to a depth of approximately 12 inches with Portland cement in the ratio of one of cement to ten of soil, by plowing and harrowing sufficiently to secure a reasonably intimate mixture of Portland cement with the soil. After having incorporated the cement with the soil, the sub-grade will be rolled and finished for the concrete pavement.

Section 2. The same process will be followed as for Section 1, except that the proportions will be one of cement to twenty of soil.

Section 3. The same process will be followed as for Section 1, except that the depth of treatment will be 6 inches instead of 12 inches.

Section 4. The same process will be followed as for Section 2, except that the depth of treatment will be 6 inches instead of 2 inches.

Section 5. The same process will be followed as for Section 1, except that hydrated lime in the proportions of one of lime to twenty of soil will be used in place of Portlamd cement.

Section 6. The same process will be followed as for Section 1, except that pulverized limestone in proportions of one of limestone to twenty of soil will be used in place of Portland cement.

Section 7. The same process will be followed as for Section 1, except that no foreign substance will be mixed with the adobe soil.

Section 8. The same process will be followed as for Section 1, except that 60% asphaltic road oil will be spread at the rate of 3 to 5 gallons to the square yard.

Section 9. The same process will be followed as for Section 8, except that the depth of treatment will be 6 inches instead of 12 inches.

Build Now! Building Costs of All Classes Are Becoming Stable

Demands for New Construction Are Great — Postponement of Projects at This Time Will Cause Increased Prices in Near Future — Mercantile Agencies, Banks Agree That Price Level Is At Hand.

Building costs are coming down. The recession in the prices both of labor and of materials began several months ago and still continues. Demands for new construction are going up. Bradstreet's compilations, weekly reports by such trade journals as the American Lumberman, studies of the general situation by architects and engineers, all imply that a great resumption of building is at hand. Money for new enterprises is likely soon to be available once more. Bankers have been unwilling to make mortgage loans based upon the inflated valuations of the last three years. Today, while they are watching the descent in prices and calculating where the new permanent level will be found, they agree that it will be higher than the level of 1913, but much lower than immediately following the war.

Cost of Materials

The peak advances for materials of every kind made an average of 240 per cent. By the middle of the present year the tendency to a general lowering of rates had brought the cost of materials down to an average of 110 per cent over the pre-war figures, and they have been declining ever since that time. Contractors even declare that lumber is back to the 1914 level. Concerns that in August, 1920, quoted re-enforcing steel for concrete work at $105 a ton offered precisely the same material in September of this year at $40 and $56 a ton.

Guesses of Architects

The most astute student of the oscillations of prices cannot guess precisely where the pendulum will come to rest after the present backward swing. The estimates of 200 architects, engineers and contractors the country over range all the way from 30 per cent to 100 per cent above the 1913 level, and the majority place the stationary point at 50 per cent. This is a distinctly hopeful omen, indicating an enormous decline from the high levels of 1919 and 1920 and the early arrival of conditions manifestly favorable to the person who wishes to build either a home or a business structure.

Wages are declining. No one expects them to go back to the rates paid in 1913. Americans want labor in the building trades and all other departments of industry to be justly paid, and no one denies the proposition that wages should keep in rotio with the cost of living.

Now Is the Time to Build

Wisely, therefore, may one get ready to build. The grand average of [illegible] of [illegible] in 1879 was higher than it was in 1860 and lower than it was in 1865; so an absolute recession to the scale of 1914 is not to be expected today, but the crest of the ridge has been safely surmounted, and what the bankers call the "new bed-rock level" seems to be no great distance ahead. The operation of the law of supply and demand justifies the careful investor in making ready now to take advantage of the rare building opportunity that apparently is at hand. If his ideas are tending toward finality he should set his architect to work, have his site examined, his plans drawn, his specifications made. To get these ready for a dwelling costing $15,000 is likely to require four weeks of time in the average well-equipped architect's office; to prepare them for a $75,000 building several months will be necessary. Nor is an architect always able to begin work on your commission the day you first approach him.

Loans Available

Why lose time? When a general building campaign once more gets under way, and no one doubts that it cannot much longer delay as a tendency toward an advance in prices will soon become evident. Let it be emphasized again that it is easy to misinterpret the position of the savings bank and other financial institutions commonly relied upon for the money for the payment of construction expenses. These banks do not refuse loans on mortgages merely because the offered security is in the form of a mortgage. Their conservative attitude the past year or two has been quite justified. They could not be expected to finance buildings at valuations above the prices the structure would realize once the period of inflation had passed. The banks have not forgotten their experience in 1873. They are ready, however, to loan on mortgage security, when values have reached a reasonable level.

PRIZES OFFERED BY ILLINOIS ENGINEERS FOR TECHNICAL PAPERS

In accordance with a plan started in 1920, the Illinois Society of Engineers has offered five prizes of $245 for papers to be presented at the annual meeting at Decatur, Ill., January 24 to 26, 1922. There will be a prize for each of the following classes: (1) Drainage, (2) roads and pavements, (3) sewerage, (4) surveying, (5) miscellaneous civil and municipal engineering. This competition is limited to members of not more than five years' standing and to candidates for election at the annual meeting. Papers are to be submitted by January 1 and must be prepared in accordance with the rules and conditions. Full particulars may be obtained from E. E. R. Tratman, C. E., secretary Illinois Society of Engineers, Wheaton, Ill.

The Observer

A conference of the various interests back of the proposed Boulder Canyon dam will be held at San Diego December 12. Secretary of the Interior Fall is expected to attend this conference, which was originally scheduled to be held at Washington. A plan of procedure to carry out this great project will be considered.

The A. B. Johnson Lumber Company, recently formed, with offices at 1 Drumm street, to conduct a wholesale lumber and shipping business, will represent the Western Lumber Company's mills of Aberdeen, Wash.

"The Exchange Hour" is the name of the monthly bulletin issued by the Builders' Exchange of Alameda County. The purpose of the bulletin is to keep members of the exchange in touch with the activities of the month —and judging from the first issue— compiled under the capable editor-ship of Wm. E. Hague, secretary-manager of the exchange, it shall serve the purpose.

Ralph Beebe has been appointed Chief Harbor Engineer for the city of Oakland.

Fred S. Stimson, pioneer lumberman, died in Seattle, November 24.

Plasterers' Union of Kansas City votes voluntary wage reduction of 7½ to 12 cents an hour. It is expected to have a decidedly stimulating effect on building activities.

James B. Girand, former State Engineer of Arizona, and connected with many important engineering projects in that state, has been appointed supervising engineer for the proposed Cave Creek flood control dam.

A new, up-to-date 175-page edition of "Safety in Building Construction," the manual on accident-prevention of the Travelers' Insurance Company of Hartford, Connecticut, has just come from the press. It is profusely illustrated and should prove most useful to every contractor.

The value of public utility property in California, judging from gross receipts, stock values and franchises has increased in the past ten years in virtually the same ratio as has the assessed value of general property in the same period, according to figures made public by Ray L. Riley, state controller, which show the increase to be approximately 100 per cent since 1911. In 1911, according to Riley's figures, the value of corporation property based on collections, etc., was $535,-237,816.83, as compared with $932,531,-627.38 in 1921. The assessed value of general property in 1911 was $2,603,-265,528, as against $4,922,700,063 in 1921.

O. B. Harriman of San Francisco has purchased the Escalon branch of the Ward Lumber Company. It will now be known as the Escalon Lumber Company and will be under the management of Trace McPherson.

L. E. Barker, former engineer of the Pima County, Arizona, County Highway Commission, which has closed its work, has been appointed assistant highway engineer of the Yavapai County Highway Commission and will supervise the construction of about 200 miles of dirt road to be constructed under a $1,500,00 bond issue.

Articles of incorporation of the Universal Pump and Manufacturing Company of Redding have been filed at Redding. The new corporation is incorporated at $50,000 and will bring to Redding a payroll of approximately $60,000 within the course of a year. The directorate of the new concern consists of I. J. Johnson, local foundryman; S. F. Henderson and Jesse W. Carter, local attorney. The corporation proposes to manufacture the Universal pump, a deep well pump. The company will also operate a foundry and machine shop. Exclusive patent rights for the entire United States are held by the company on the Universal pump.

Warren Bros. Co. has filed application with the Los Angeles Harbor Commission for a lease on a site back of the Los Angeles Shipbuilding and Dry Dock Company's plant at the harbor. A plant for manufacture of paving material will be erected.

E. W. Stanton of Live Oak has been appointed Chief Engineer for the Morrison Slough Drainage District in Sutter County.

The Red Seal Refining Company will build a million-dollar refinery at Long Beach, according to H. L. Hagerman, treasurer of the company. A site of 21 acres has been secured at the junction of the Union Pacific and Southern Pacific railroads on West Amaheim road in the industrial district of Long Beach. Pipe lines will be laid by the company to the Signal Hill and Huntington Beach oil fields and crude oil will be available as far north as Bakersfield and Taft.

The Army of Unemployed shall be strengthened. Oakland City Council has passed an ordinance to print abolishing ten positions and affecting forty-five employes in the Department of Public Works. More than $4,000 a month will be cut off the city payroll and after January 1 other adjustments in the department will further reduce the payroll $2,000 more. The positions to be abolished and the salaries follow: Assistant wharfinger, $125; chief paving inspector, $200; one engineer of City Hall building, $200; extra janitor, $110; foreman of machine shop and ten rodent catchers, $530; harbor engineer (position consolidated); one janitress, $110; ten rodent catchers, $1,400; four shipwrights, $840; one assistant engineer, $150; one superintendent of buildings, $225; one field engineer, $190.

The Stockton Architects' Association has launched a campaign to secure a readjustment in building conditions in Stockton and a reduction in the price of building materials "that still remain too high." General contractors of Stockton have endorsed the movement.

The Lassen Lumber and Box Co. at Susanville has closed its saw mills for the Winter. The company plans to overhaul all the machinery in both mills and install some new machinery. Indications are for a busy season next year. The box factory will run throughout the Winter.

The Adam Brown Packing Co., of Spokane, Wash., recently incorporated, has purchased a site in that city and will erect a packing plant costing $100,000, including equipment.

The Berkeley City Council is planning to establish a Bureau of Building Inspection. The appointment of the Chief Inspector for the bureau shall be made by the Council.

The Columbia Wood Products Co., with offices at 508 Couch Building, Portland, Oregon, has been organized with a capital stock of $250,000. A site in Astoria, Ore., has been selected by the company on which it proposes to erect the first unit of a mill costing $250,000.

The records of the Bridge Builders & Structural Society, from reports collected by its secretary, show that during the month of October, 1921, 97,800 tons of fabricated structural steel was contracted for throughout the United States, equivalent to 54 per cent of the entire capacity of the bridge and structural shops of the country.

Farmers' Bulletin 1214 is the latest booklet issued by the U. S. Bureau of Agriculture. The publication covers the construction of farm dairy houses and is illustrated with elevations, floor plans, etc. Copies will be furnished on request.

The Board of Directors of the American Association of Engineers has endorsed the action of the National Unemployment Conference in developing nation-wide construction work and has instructed the 200 chapters of the organization to bend every effort toward developing construction activities.

The Independent Lumber Co. of Glendale has been incorporated with $100,000 capital stock by E. F. Heisser, Mrs. G. M. Heisser and W. E. Evans of Glendale; S. M. Anderson and A. W. Middleton of Aberdeen, Wash. A branch yard has already been established at Marian. Heisser was formerly engaged in the lumber business at Fargo, N. D.

The City Attorney of Los Angeles has ruled that bids for the De la Sacatella storm sewer, a $2,500,000 project, must be taken for the work as a unit. The Board of Public Works desired to let the work in sections, but the City Attorney held this could not be legally done.

Meyer-Heath & Carlson announce the opening of a wholesale lumber office in the Pacific Mutual Building, Los Angeles.

Byrne & Yost, Sacramento contractors, have started work on a $54,000 paving contract in Chico. Twenty blocks of streets in the Thirteenth Subdivision will be paved with four inches of concrete.

Senate Bill Seeks Long Range Planning of Public Work

Senator William S. Kenyon of Iowa Introduces Bill—Prepares in Advance Against Future Cyclical Period of Business Depression and Unemployment—Declared to Be One of the Most Important Results of President's Unemployment Conference.

To carry out the policy recommended by the President's Conference on Unemployment and to prepare in advance against future cyclical period of business depression and unemployment, Senator William S. Kenyon of Iowa has introduced a bill in the Senate providing for the long-range planning of public works. The bill was referred to the Committee on Labor of the Senate.

The preamble of the bill states: "Whereas, a sound economic policy requires that a larger percentage of the public works and projects of the United States be undertaken and prosecuted during a period of major industrial depression and unemployment, when labor and capital are not fully employed in private industry, that a smaller percentage of such works and projects should be undertaken and prosecuted during a period when private industry is active and competing for the same men and material with resulting business strain and over-extension, and that the prosecution of such works and projects should be utilized as a stabilizing force during a period of over-expansion as well as during a period of depression."

As a means of granting the authority necessary to carry out this policy the act provides:

First—That the head of each executive department is authorized to prepare and to revise periodically the necessary plans for all public works and projects, within his jurisdiction, concerning which a report has been requested by Congress, or a committee thereof, under the provisions of existing law, and to make the surveys and to prepare the engineering plans necessary for proposed public works and projects, in order that the work may be commenced immediately and properly prosecuted when an appropriation becomes available therefor.

Second—That the Secretary of Commerce shall prepare and publish monthly reports as a supplement to the Current Survey of Business, of the Bureau of the Census, or otherwise, concerning the trend of business conditions, the approach of periods of business strain and over-extension, or of periods of business depression, in order that the President, the heads of the executive departments, the Congress, Governors of states and Mayors of cities and persons engaged in private industrial enterprises may properly prepare for and plan against such periods. The Secretary of Commerce is instructed to transmit, with his recommendations, copies of such report to the President, the heads of departments, and to the Congress. In preparing his report and recommendations, the Secretary is authorized to utilize the available statistics collected or compiled by any department, bureau, office, or agency of the Federal Government or of a state, or by an industrial, banking, labor, or other association, and he is authorized to obtain such additional facts and statistics as may be necessary to carry out the provisions of this section.

Third—That the head of each executive department is authorized, upon the advice of the President, to postpone the date of the commencement or retard the prosecution of such portions of the public works and projects within his jurisdiction as may be necessary in order to prepare for and to prevent a further rise in the cyclical wave of industrial expansion and resulting business strain and over-extension and, within the appropriations therefor to enter upon a maximum program of public works and projects as a preparation for and in order to counteract an impending period of industrial depression and unemployment. Where a time limit has been specifically provided within which any such work or project, or any part thereof, is to be commenced or completed, this section shall not be construed to extend or remove such limit.

When Edward Eyre Hunt, secretary of the President's Conference on Unemployment, was informed that Senator Kenyon had introduced this bill into the Senate, he said, "I believe this is one of the most important results of the Unemployment Conference. If we can get the people of the Nation into the habit of long-range planning of public works, and into the habit of thinking in terms of the business cycles with its alternate depressions and booms, we shall have established an important factor in any permanent program for combating unemployment."

Otto T. Mallery, member of the Industrial Board of Pennsylvania and secretary of the Committee on Public Works of the President's Conference on Unemployment, believes that the passage of this act will mark an important forward step in the Nation's economic, industrial and financial life. He has advocated legislation of this nature in addresses before the International Association of Public Employment Service at Buffalo, and the House Committee on Arid Lands.

Mr. Mallery made this statement regarding the possibilities and effect of the Kenyon bill: "There are two kinds of industry, private and public. Private industry is performed for private profit; public industry or public works are performed to fill public needs. Periods of acute industrial depression have been occurring once in every seven to ten years during the twentieth century. If public works were increased in years when private industry decreases, stabilization of employment would undoubtedly result. Statistics recently collected for 1920 and 1921 indicate that $2,500,000,000 in wages will represent the difference between boom and depression in the factories of the United States; $1,750,000,000 difference in wages in trade and transportation; $250,000,000 difference in agriculture, fishing, domestic, personal and professional services; and $500,000,000 loss to miners; making a grand total loss in wages, between 1920 and 1921, of $5,000,000,000.

"Five billion dollars decrease in total wages," said Mr. Mallery, "is our yard stick measure of acute unemployment. The total average of all public works within the United States by all governmental agencies, without considering those public works paid for by current taxation, is $825,000,000 annually. If we should adopt a national policy of expanding public works in years of depression and contracting public works during the other years, is it too much to believe that we can execute three times the average in the year of unemployment, which is likely to occur once in ten years? If so, our figure for public works will be $2,475,000,000 in a bad year, or $1,825,000,000 increase for a year of depression over an average year. Ninety per cent of this expenditure for public works, or $1,650,000,000 may be estimated as the amount which will be spent for wages, and this figure will represent the potential usefulness of a national public works program as a safety valve for unemployment in a year of depression in private industry.

"A comprehensive national public works policy,—as contained in Senator Kenyon's Bill, introduced today—may possibly check unemployment in its worst year by one-third. If so, it is a force of the first magnitude. Its economic and social importance cannot be overestimated. If all Americans are to feel secure in America, if all Americans are to feel proud of America, if America is to progress in civilization as it must, the advance planning of public works for bad times must be utilized to make the recurrence of such a period of unnecessary waste and suffering as the present, forever impossible."

1920 RECORD YEAR IN TIMBER PRESERVATION

The most notable progress yet recorded in the pressure treatment of timber to prevent decay was made in 1920, according to a report recently issued by the Service Bureau of the American Wood Preservers' Association.

The report states that the 112 active pressure wood-preserving plants scattered throughout the country used in 1920 50 million pounds of zinc chloride and 69 million gallons of creosote oil for the treatment of over two billion board feet of timber.

The treated material consisted mainly of railway ties, construction timbers for wharf, bridge, highway, mining and building purposes, piling, telephone and power poles, fence posts, wood blocks for street paving and for factory floors, and lumber for miscellaneous uses.

Decay, which can be prevented by proper preservative treatment, destroys more wood annually than any other agent. The desire for permanence at low cost is given as the reason for the increased demand for well-treated timber.

THE WOODPECKER

A woodpecker pecks out a great many specks
Of sawdust when building a hut;
He [illegible] to make the [illegible] bigger—
He's sore if his cutter won't cut.

He doesn't bother with [illegible] of cheap artisans;
But there's one thing can rightly be said
The hole excavation has this explanation:
He builds it by using his head.

—D. B. Murphy in Pacific Engineer.

Building News Section

APARTMENT HOUSES

Plans Being Prepared.
APARTMENTS Cost, $175,000
SAN FRANCISCO. N O'Farrell Street W. Jones Street.
Seven-story reinforced concrete apartment house (100 rooms of 2 and 3-room apts.)
Owner—C. H. Peterson, formerly of McLeran & Peterson, Contractors.
Consulting Architect—August G. Headman, Call Bldg., San Francisco.

Plans Being Revised.
APARTMENTS Cost, $——
SAN LEANDRO, Alameda Co., Cal.
Two-story and basement brick apartment house.
Owner—Proster Godchaux.
Architect—W. H. Weeks, 769 Pine St., San Francisco.
New bids will be taken in about a week.

Figures to be Taken Shortly.
APARTMENTS Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Two-story frame apartment house (3 apts.)
Owner—Withheld.
Architects—Binder & Curtis, 255½ S. First St., San Jose.

Plans Being Figured.
APT. HOUSE Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Two-story frame apartment house (4 apts.).
Owner—Mrs. Moody.
Architect—Binder & Curtis, 255½ S. 1st St., San Jose.

Preliminary Plans Being Prepared.
APT. HOUSE Cost, $——
SANTA ROSA, Sonoma Co., Cal. Ross Street.
Reinforced concrete apartment house.
Owner — Robert O'Connor of The O'Connor Furniture Co.
Architect—Walter Parker, 57 Post St., San Francisco.
It is planned to take figures in February.

BANKS

Plans Being Prepared.
BANK BLDG. Cost, $40,000
SUNNYVALE, Santa Clara Co.
One-story brick and reinforced concrete bank building.
Owner—Bank of Italy.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

Plans Completed.
BANK BLDG. Cost, $40,000
OAKLAND. 56th St. and San Pablo Ave.
One-story reinforced concrete or brick bank building.
Owner—Bank of Italy.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Segregated figures will be taken by the owners—Mr. Wm. Cuneo in charge of letting contract.

Plans To Be Prepared.
OFFICE & BANK BLDG. Cost, $——
SAN FRANCISCO. Market Street site favored.
Large class "A" office and bank bldg.
Owner—California Building & Loan League (F. W. Blanchard of the Northern Calif. Bldg. & Loan Assn., 244 Montgomery St., is president).
Architect—Not selected.

Sketches Being Prepared.
ALT & ADD. Cost, $10,000
SAUSALITO, Marin Co., Cal.
Alterations and additions to bank.
Owner—Bank of Sausalito.
Architect—H. H. Winner Co., Cunard Bldg, 503 Market St, San Francisco.

Sub-Figures Being Taken.
REMODELING Cost, $——
SANTA ROSA, Sonoma Co., Cal. 4th and Mendocino.
Remodel bank.
Owner—Exchange Bank.
Architect—H. H. Winner Co., 503 Market St., San Francisco.
Superintendent of Construction—J. A. Kuykendall, Santa Rosa.
Sub-figures are now being taken on all parts of the work except the general work, which is being done by day's work.

RENO, Nevada.—The P. T. Ainge Manufacturing Co., 20th and Nicolai streets, Portland Ore., at approximately $108,000 awarded contract to refinish and install fixtures and equipment for Farmers and Merchants Bank at Reno, Nevada. Contract includes all interior work: imported Sienna marble, cast bronze screens, hardwoods, ornamental plastering and furniture.

LOS ANGELES, Cal.—The Bank of Italy has closed the lease for the property at the northwest corner of Seventh and Olive streets and will erect a twelve-story Class A bank and office building. Mr. Dobbs, manager of the local bank, states that the architect for the new building has not been selected.

BONDS

SEATTLE, Wash.—City Council sells $2,000,000 worth of water extension bonds. Proceeds of sale will finance development of Swan Lake reservoir and for constructing third pipe line from headworks of new reservoirs to be constructed in West Seattle.

PORTERVILLE, Tulare Co., Cal.—An election will be held Dec. 19 in Sultana School District to vote bonds of $44,500 to finance construction of a new school building. Trustees of the district are: C. S. Dunn, Edward F. Scruggs and Mary E. Tout.

NEWPORT BEACH, Orange Co., Cal.—Until 7:30 P. M., Dec. 5, bids will be received by the City Trustees for the purchase of $80,000 bonds voted for water work extensions. Alfred Smith, City Clerk.

MANTECA, Stanislaus Co., Cal.—December 22 is date set in Manteca High School District to decide the question of issuing and selling bonds of $200,000 to finance construction of additions to the high school. Architects Davis - Heller - Pearce, Delta Bldg., Stockton, will prepare the plans.

REDONDO BEACH, Cal.—An election will be held Jan. 10 to vote on issuing $51,000 bonds for improvement of The Strand and constructing two small jetties to protect the Strand walk.

MADERA, Madera Co., Cal.—Election will be held Dec. 21, in Marysdale School District to vote bonds of $1,500 for school improvements. Trustees of district are: S. Y. Cochrum, Blanch E. Alexander and A. W. McDonald.

NORTH SACRAMENTO, Sacramento Co., Cal.—January 14 is the date set by the School Trustees to decide the question of issuing bonds of $60,000 to finance additions to North Sacramento and Hagginwood schools. According to plans prepared by Architect E. C. Hemmings, Ochsner Bldg., Sacramento, four classrooms will be added to the North Sacramento school and two classrooms and auditorium to the Hagginwood school.

MADERA, Madera Co., Cal.—First National Bank of Madera has purchased $200,000, first block, of Madera Irrigation District bond issue. Proceeds of the sale will finance improvements in the district.

CHURCHES

Working Drawings Being Prepared.
CHURCH, ETC. Cost, $——
WHITTIER, Los Angeles Co., Cal.
Four-story hollow tile church and Sunday school building, 40x128.
Owner—Methodist Episcopal Church.
Architect—Arthur G. Lindley, Wright-Callender Bldg., Los Angeles.

Plans Being Prepared.
CHURCH Cost, $150,000
LOS ANGELES, Cal. Morgan Place near Hollywood Blvd.
Two-story and basement brick church, 60x88.
Owner—Hollywood Christian Church.
Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans Being Prepared.
CHURCH Cost, $——
SAN FRANCISCO. 13th Ave. and Clement St.
Reinforced concrete church.
Owner — Fourth Church of Christ, Scientist.
Architect — Carl Werner, Humboldt Bank Bldg.

Awarding Segregated Contracts.
CHURCH Cost, $200,000
OAKLAND. Lakeshore Blvd. near E-14th St.
Two-story reinforced concrete church.
Owner — Fourth Church of Christ, Scientist.
Architect — Carl Werner, Humboldt Bank Bldg., San Francisco.

FACTORIES & WAREHOUSES

Bids to be Asked Shortly.
PAINT PLANT Cost, $100,000
FRESNO, Fresno Co., Cal. Los Angeles and M Streets.
Two-story concrete and stucco paint jobbing (branch) plant, 145x244,

Owner — W. P. Fuller Co., Beale and Mission St., San Francisco (Chas. O. Norton, San Joaquin Valley, Representative).
Architect — Eugene Mathewson, Cory Bldg., Fresno.

Contracts Awarded.
SUPERSTRUCTURE Cost, $——
RICHMOND, Contra Costa Co., Cal. Adjoining Municipal Wharf No. 1.
Superstructure of wharf-shed.
Owner—City of Richmond.
Architect—City Engineer Chapman.
The following contracts have been awerded:
(G) Reinforced Concrete Columns, Beams and Coping, only, P. M. Sanford, Richmond.....$4,880.00
(J) Hollow Tile Panel, Walls only (using Richmond tile), Jas. Walker, Richmond..... 5,274.00
(K) All Structural Steel in Place, Bolts, Anchors, Brackets, Cast Iron, etc. (Reinforcing Steel and I Beam Purlins not to be included), Golden Gate Iron Works, San Francisco..... 10,560
(M) Carpenter Work, Complete, with Wood Purlins and Wood Roof Sheathing, Mathew Morton, 2911 Benvenue, Berkeley..... 13,437
(O) Plumbing—Rainwater Conductors, Roof Drains, R. W. Timmons, 325 7th St., Richmond 396
(P) Sheet Metal Work, Skylights and Glazing, Rejected—bids to be readvertised.
(Q) Steel Rolling Doors and all Equipment for same in place, Waterhouse - Wilcox Co., San Francisco 3,722
(R) Roof Covering over Wood Sheathing, Rejected—bids to be readvertised.
(T) Painting, Rejected—to readvertise for bids.

Contract Awarded.
SHOP BLDG. Cost, $31,000
SAN FRANCISCO. N. Folsom 50 E. 2nd St.
Two-story concrete electric supply shop building.
Owner—Bothim Real Estate Co., Atlas Bldg.
Architect—Arthur S. Bugbee, 26 Montgomery St.
Contractor—Adam Arras Co., 185 Stevenson.

Plans Being Prepared.
WAREHOUSES Cost, $1,500,000
LOS ANGELES, Cal. Near Pasadena Avenue.
Two four-story reinforced concrete warehouses, 100x820 and 100x940, respectively.
Owner—Withheld.
Architects—John and Donald B. Parkinson, Title Insurance Bldg., Los Angeles.

Contract Awarded.
ADDITION Cost, $52,050
CALWA, Fresno Co., Cal.
Reinforced concrete addition to ice plant.
Owner—Pacific Fruit Express Co., 65 Market St., San Francisco.
Architect—None.
Contractor — Daniel R. Wagner, Call Bldg., San Francisco.

Plans Being Figured—Bids Close Dec. 17, 1921, 11 A. M.
WAREHOUSE, ETC. Cost, $1750
PETALUMA, Sonoma Co., Cal. E. Jefferson St.
Corrugated iron covered frame warehouse, shed and fences.
Owner—Sonoma County.
Architect—County Surveyor R. Press Smith, Santa Rosa.

CHICO, Butte Co., Cal.—C. M. Garson, chief engineer for the Shell Oil Co., is in Chico, outlining plans for the construction of a distributing plant to cost about $60,000. The plant will be erected on a 2-acre plot on the Thompson ranch, 2 miles south of Chico on the Sacramento Northern railroad.

PORTLAND, Ore.—Architect Chas. W. Ertz, Pittock Block, Portland, completes plans for Liberty Laundry, to be erected at East Madison and 11th Sts.; estimated cost, $100,000. Will be one story concrete with mezzanine floor, 100 by 100. Grading has already been started.

TURLOCK, Stanislaus Co., Cal.—The Chamber of Commerce has entered into agreement with J. J. Ferlin, now located in Modesto, to move his machine shop and foundry to this city; the Chamber has sanctioned the sale of $25,000 worth of stock of the Ferlin Machine Company on condition that it located in Turlock. About twenty mechanics will be employed. Approximately $30,000 will be expended in improvements and machinery.

COLUSA, Colusa Co., Cal. — I. J. Morse, president of the Colusa Chamber of Commerce, is conferring with the California Prune and Apricot Growers' Association, San Jose, regarding the erection of a prune packing plant in Colusa.

OLYMPIA, Wash. — MacRae Bros., American Bank Bldg., Seattle, at $41,250 submits low bid to State Board of Control for erecting 2-story reinf. concr. laundry building at Fort Steilacoom.

FIREHOUSES AND JAILS

Commissioned to Prepare Plans.
DRILL TOWER Cost, $40,000
SAN FRANCISCO. Foot of 11th St.
Five-story reinforced concrete drill tower for Fire Dept.
Owner—City and County of San Francisco.
Architect—Fredk. H. Meyer, Bankers Inv. Bldg.

Commissiioned to Prepare Plans.
FIRE HOUSE Cost, $——
SAN FRANCISCO. St. Francis Wood.
Two-story Class "C" fire house.
Owner—City and County of San Francisco.
Architect—Fredk. H. Meyer, Bankers Inv. Bldg.

FLATS

Contract Awarded.
FLATS Cost, $10,000
SAN FRANCISCO. W Fourteenth Ave. 150 S Cabrillo Street.
Two-story and basement frame (2) flats.
Owner—Charles Smith, 760 Cabrillo St., San Francisco.
Architect—None.
Contractor — Harry Moran, 778 10th Ave., San Francisco.

To Be Done By Day's Work.
FLAT BLDGS Cost $16,000 & $12,000
SAN FRANCISCO. NE Green and Octavia Sts. and E Octavia 55 N. Green.
Two 2-story and basement frame flat buildings (4 flats each).
Owner—W. W. Rednall 2500 Filbert St
Architect—None.

GOVERNMENT WORK AND SUPPLIES

Contract Awarded.
REMODELING Cost, $14,433
MARE ISLAND, Cal.
Remodel Barracks. (Spec. 4489.)
Owner—United States Government.
Plans by Owner.
Contractor—Schultz Const. Co., 46 Kearny St., San Francisco.

SAN FRANCISCO —Until December 12, 10 A. M., under Circular No. 22-30, bids will be received by Quartermaster Supply Officer, Fort Mason, for furnishing and delivering brass bibbs, various bolts, chain blocks, kitchen equipment, plumbing supplies, wire cable, twist drills, electrical fittings, brass pipe fittings, galvanized iron pipe fittings, glass, graphite, hammers, hose, armature metal, brass nuts, wire nails, asbestos packing, paints, ice picks, brass pipe, lead pipe, taper pins, screws, paint and varnish remover, solder, wire rope thimbles, iron washers, copper wire, cotton wicking, zinc, lead wire, etc.

WASHINGTON, D. C.—Following bids were received by the Supervising Architect for re-constructing Fort Walla Walls for a hospital. (These bids are in addition to those received at Walla Walla, previously reported in these columns):

John Harrington, Seattle.....	$117,967
J. H. Weise, Omaha, Neb.....	123,880
Taylor & McLeod.....	140,847
Rounds-Clist Co., Portland.....	145,050
Campbell Bldg., Co., Salt Lake.	159,927
N. Weirk & Son, Walla Walla..	162,227
W. D. Lovell, Minneapolis.....	165,900
King Lumber Co., Charlotteville	174,000

SAN FRANCISCO.—Until Dec. 8, 11 A. M., under Circular R. M. & F. 22-35, bids will be received by Quartermaster Supply Officer for fur. and del. various paints, pumice stone, soft soap, etc.

WASHINGTON, D. C.—Following bids received by Supervising Architect, Treasury Department, for fur and install. furniture in postoffice at Sacramento, Cal: John A. Lowander, Elizabeth, N. J., $1,599, 90 days; Jacob Beitzel Sons (Inc.), York, Pa., $1,747, 90 days; Federal Equipment Co., Carlisle, Pa., $1,812, 90 days; John E. Sjostrom, Philadelphia, $2,076, 75 days.

WASHINGTON, D. C.—In addition to the bids received by the Supervising Architect, Treasury Department, Washington, for installing mechanical equipment in the U. S. public health service hospital at Whipple Barracks, Ariz., the following bids were received by the superintendent at Whipple Barracks:

Wm. Simpson Construction Co., Los Angeles, Calif., $189,911.

Independent Electric Co., El Paso, Texas, $236,875.

W. J. Corbett Hardware Co., Tucson, Ariz., $247,178.

WASHINGTON, D. C.—Following is a list of prospective bidders for Pacific Coast Federal Projects:

Street Lighting System, San Diego, Specification No. 4526, date for opening bids not yet set: Gamewell Fire Alarm Telegraph Co., 70 E. 45th St., New York City; George Construction Co., 407 Stock Exchange Bldg., Philadelphia; G. E. Engineering Co., 449 W. 42nd St., New York City; The Turner Co., 272 Natoma St., San Francisco.

Steel Shelving, Counters, Bins and Wire Partitions, San Diego, Specification No. 4545, bids to be opened Dec 7. Van Dorn Iron Works Co., Union Trust Bldg., Cleveland; Art Metal Con-

struction Co., Washington; Williams, Brown & Earle, Inc., 918 Chestnut St., Philadelphia, Pa.; Durand Steel Locker Co., 76 W. Monroe St., Chicago, Ill.; Terrell's Equipment Co., Grand Rapids, Mich.; Federal Steel Fixture Co., 706 Park Row Bldg., New York City; St. Louis Wire & Iron Co., 926 Choteau Ave., St. Louis; Thomas S. Gassner Co., 4543 Wayne Ave., Philadelphia.

VALLEJO, Solano Co., Cal.—Admiral Josiah S. McKean, commandant of Mare Island Navy Yard, seeks $5,825,000 for improvements to the Mare Island Navy Yard. The largest item in his recommendations submitted under the Naval Appropriations Bill of 1922-23, is $1,800,000 for increased berthing facilities. Appropriations sought and work proposed follows:

Rebuilding timber wharves and quay wall	$1,500,000
Repairs to docks	1,300,000
Central power plant distributing system	300,000
Increased berthing facilities	1,800,000
Yard dredge equipment	150,000
Remodeling old buildings	150,000
Shipping and packing room, supply department	150,000
Paving	80,000
Lumber storage	90,000
Extension to administration building	50,000
Sub-base mess hall and kitchen	35,000
Permanent dredge pipes	170,000
Garage	50,000

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, is preparing Specification No. 4556 for rebuilding and extending Pier No. 5, Puget Sound, Washington; Specification No. 4559 for gas, water, sewer and underground electric systems for Naval Hospital at San Diego, Cal.; Specification No. 4561 for addition to shell house and magazine at Mare Island Navy Yard, Cal.; Specification No. 4562 for constructing sea wall at Puget Sound, Washington; Specification No. 4563 for 6 barracks and entrance gates at San Diego, Cal., Naval Station; Specification No. 4564 for addition to shell house at Puget Sound, Washington. Bids for these projects will be asked on completion of the specifications. Applications for plans at this time are useless.

WASHINGTON, D. C.— Following bids received by the Bureau of Yards and Docks, Navy Department, for constructing under Specification No. 4533, a 300-ft. steel radio tower at the naval radio station, Eureka, Calif.: Item 1, entire work, complete, based on weight of 60,000 lbs.; item 2, furnishing all fabricated steel and the sheave at site, erection not included; item 3, net price and time for erection and field painting of tower, the materials being delivered to the site by the Government under another contract; item 4, net amounts to be added to or deducted from the prices named under items 1, 2 and 3 for each pound of steel over or under the estimated weight; item 5, net price and times to be deducted from the price and times bid under items 1 and 2 if a certain portion of the material is furnished by the Government in accordance with alternative "A."

Mercer-Frazier Co., 109 G St., Eureka, Calif., item 1, $9,802, 150 days; 3, $5,336, 40 days; 4, 6.9c.

Donnell-Zane Co., 233 Broadway, New York City, item 1, 9,497, 150 days; 2, $4,413, 80 days; 3, $5,487, 75 days; 4, add 7.5c, deduct 5c; 5, deduct $510.

Royal J. Mansfield, 135 William St., New York City, item 1, $15,740, 150 days; 3, $10,540, 120 days; 4, add 26c, deduct 6c; 5, deduct $500.

Hamilton & Chambers Co., 29 Broadway, New York City, item, 1, $9,500, 150 days; 2, $4,500, 75 days; 4, add 7.3c, deduct 6.65c; 5, deduct $560.

Union Construction Co., 807 Balfour Bldg., San Francisco, item 1, $8,127.75, 75 days; 2, $5,227.45, 25 days.

Eureka Boiler Works, Eureka, Calif.; item 1, $6,890, 150 days; 2, $4,000, 110 days; 3, $2,890, 40 days; 4, 6.7c; 5, 2.5c.

Pittsburgh-Des Moines Steel Co., 959 Munsey Bldg., Washington, item 1, $7,960, 150 days; 2, $5,180, 80 days; 3, $2,780, 70 days; 4, add 14.3c, deduct 13c; 5, $375.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 9049, various eastern and western yards, a miscellaneous quantity of hacksaw blades, Dec. 20.

Schedule 9064, various eastern and western yards, a miscellaneous quantity of taps, dies, etc., Dec. 20.

Schedule 9075, Mare Island, 3,750 pounds steel floor plates, Dec. 20.

Schedule 9079, Mare Island, 10,000 ft. rubber garden hose, Dec. 20.

Schedule 9081, Mare Island, 3,600 ft. steel wire rope, Dec. 20.

Schedule 9083, various eastern and western yards, 26,000 ft. white ash, Dec. 20.

Schedule 9084, Mare Island, 14,000 ft. white and sugar pine, Dec. 20.

Schedule 9085, Mare Island, 6,000 ft. white oak, Dec. 20.

Schedule 9091, Mare Island, 900 lbs. countersunk head rivets and 7,300 lbs. panhead rivets, Dec. 20.

Schedule 9092, Mare Island, 2,000 tin cans, Dec. 20.

Schedule 9093, Mare Isalnd, 800 lbs. croton oil, 600 lbs. raw sienna in oil and 50 gallons waterproof varnish, Dec. 20.

Schedule 9094, Mare Island, 1,100 gallons coal tar, Dec. 20.

Schedule 9096, Mare Island, 4,200 gallons pine tar oil, Dec. 20.

Schedule 9097, Mare Island, 600 gallons cabinet rubbing varnish, Dec. 20.

Schedule 9098, Mare Island, 50,000 lbs. silica, Dec. 20.

Schedule 9099, Mare Island, 1,450 lbs. powdered aluminum, Dec. 20.

Schedule 9100, Mare Island, a miscellaneous quantity of sheet steel, Dec. 20.

Schedule 9101, Mare Islamd, 600 sq. ft. brass wire cloth, Dec. 20.

Schedule 9102, Mare Island, 50,000 lbs. sheet lead, Dec. 20.

Schedule 9104, Mare Island, 325,000 ft. b. m., Douglas fir boards No. 1, Dec. 13.

Schedule 9107, Mare Island, 7,425 lbs. sheet brass and copper, Dec. 20.

WASHINGTON, D. C.—Following bids received by Bureau of Yards and Docks, Navy Department, for constructing under Specification No. 4538, a 210-ft. radio tower at the naval radio station, Keyport, Wash.: Item 1, net price and time for the entire work, complete in accordance with the drawings and specification, using the estimated weight of structural steel of 33,000 pounds; 2, amount to be added to or deducted from the price named under item 1, per pound of fabricated structural steel in place, in excess of or less than the estimated weight given hereinbefore; 3, net price and time to be deducted from the price and time bid under item 1 if certain material is furnished by the Government in accordance with alternate "A."

C. F. Martin, 4120 Dayton Ave., Seattle, Wash., item 1, $5,713.13, 120 days; 2, 10c; 3, $390.

Donnell-Zane Co., 233 Broadway, New York City, item 1, $7,985, 150 days; 2, add 7.5c and deduct 5c; 3, deduct $210.

Hurley-Mason Co., Equitable Bldg., Tacoma, Wash., item 1, $8,700, 105 days; 2, 19c; 3, $300.

Ward & Ward, Inc., 626 Perkins Bldg., Tacoma, Wash., item 1, $7,800, 120 days; 2, 20c; 3, 3.5c.

Royal J. Mansfield, 135 William St., New York City, item 1, $10,356, 120 days; 2, add 26c and deduct 6c; 3, deduct $260.

J. A. McEachern Co., 552 Coleman Bldg., Seattle, Wash., item 1, $7,431, 120 days; 2, 10c; 3, $500.

Hamilton & Chambers, 29 Broadway, New York City, item 1, $8,420, no time; 2, add $7.15 and deduct $6.50 C; 3, deduct $260.

SEATTLE, Wash.—Until Dec. 12, 11 A. M., under Circular No. 535, bids will be received by Alaskan Engineering Commission, 422 Bell St. Terminal, for fur. and del. Seattle, or f. o. b. cars mill, 100,000 tie plates, 5-in. x 8½-in. x ½-in. thick, approximately 4½ lbs. each; also for 20,000 nutlocks, Verona, ¼-in. square, 13/16-in. inside diameter, spring washer type, to be used with track bolts ¾ in. in diameter, Verona or equal, inside diameter not less than 1/16 in. and not more than ⅛ in. greater than diameter of bolt specified. Copies of the circular may be had from San Francisco offices of the commission, 306 Customhouse.

WASHINGTON, D. C.—Following bids received by Supervising Architect, Treasury Department, for installing sterilizing equipment in the U. S. post office at Walla Walla, Wash.: American Sterilizer Co., 12th and Plum Sts., Erie, Pa., $4,392.90, 35 days; Hospital Supply Co., 157 E. 23rd St., New York City, $4,680 21 days; Bramhall-Deane Co. 261 W. 36th St., New York City, $4,734, 45 days; Bernstein Mfg. Co., Philadelphia, $5,072, 20 days.

SAN FRANCISCO.—Until Dec. 9, 10 A. M., under Circular No. 22-25, bids will be received by Quartermaster Supply Officer, Fort Mason, for fur. and del. expansion shields; lamp sockets; insulating tape; bell ringing and switchboard transformers; knife and push-button switches; 500 bars iron (or mild steel) flat commercial lengths, various sizes.

SAN FRANCISCO—Until Dec. 7, 11 A. M., under Order No. 3421, bids will be received by U. S. Engineer Office, 240 Montgomery St., for furnishing and delivering f. o. b. wharf, Rio Vista, Solano County: approximately 1,800 lbs. annealed fence wire No. 15 in coils not to exceed 150 lbs. each.

LODI, San Joaquin Co., Cal.—An inspector of the Postal Department will visit Lodi to report on the matter of erecting a new post office. While Federal funds are not available for the construction it is proposed to have private interests erect such a structure to be leased to the Government. Several offers have already been submitted.

WALLA WALLA, Wash.—John Arlington, Seattle, at $117,967 submits low bid for constructing Walla Walla Government Hospital; three buildings, including central heating plant, ambulant ward and semi-ambulant ward. Bids were also opened in Washington. Other bids received at Walla Walla follow: Taylor & McLeod, Walla Walla, $140,847; Round, Clist Co., Portland, $145,050; Nick Weirk & Son, Walla Walla, $162,227; Campbell Building Co., Utah, $159,927.

MARE ISLAND, Cal.—The following bids were received on November 30th by the Public Works Officer at Mare Island for the construction of two Dutch Bake Ovens 9'4"x12'0", inside measurements. These ovens to be placed in battery under Specification No. 4540.

John H. Isenhart Sons' Oven Co., Los Angeles, $4357; 45 days.
J. P. Glaser Co., San Francisco, $4800 and an alternate of $5000; 20 days.

SAN FRANCISCO—Until Dec. 8, 11 A. M., under Circular R. M. F. 22-36, bids will be received by Quartermaster Suply Officer, Fort Mason, for furnishing and delivering gasoline, distillate, lubricating and transmission oils, cup grease and 50,000 lbs. blacksmith coal.

HALLS AND SOCIETY BUILDINGS

Plans Being Preared.
STORE-LODGE BLDG. Cost, $——
SAN FRANCISCO. E. Mission between 17th and 18th.
Three-story reinforced concrete store and lodge building (1 store, lodge rooms, hall and billiard room on 2nd floor, and roof garden and ladies' quarters on 3rd floor).
Owner—Mission Realty Co.
Architect and Contractor—A. J. Horstman, Anglo Bldg., 16th and Mission Sts.

Low Bidder.
CLUB BLDG. Cost, $7,500
SAN FRANCISCO. Mission Terrace.
One-story frame and plaster club building.
Owner—Mission Terrace Company.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
The lowest bid was submitted by O. Olsen, 2771 San Jose Ave.

Contract Awarded.
CLUBHOUSE Cost, $23,912
SAN FRANCISCO. E DE HARO 200 N 22nd. One-story and basement frame clubhouse.
Owner—California Synodical Society of Home Missions.
Architect—Miss Julia Morgan, Merchants Exchange Bldg.
Contractor—Taylor & Jackson, No. 290 Tehama St.

Plans Being Prepared.
GYMNASIUM Cost, $25,00 1st unit
RICHMOND, Contra Costa County, Cal. Nevin Ave. W. City Hall.
Gymnasium (1st unit of Memorial Building).
Owner—Richmond Post of American Legion (Rev. Paul Little, chairman Building Committee).
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.

ELK GROVE, Sacramento Co., Cal.—Native Sons and Native Daughters of the Golden West lodges are planning the construction of a new fireproof lodge building. Perley K. Bradford is president of the Native Sons Building Association which is handling details for a campaign for funds.

MARTINEZ, Contra Costa Co., Cal.—The Eichorn property at the corner of Ward and Castro Sts. has been purchased by the Pythian Building Assn., in which it proposes to erect a modern lodge building. The association has a capital stock of $25,000 and contemplates erecting a building costing that amount. Directors of the association are: N. S. Ream, L. L. Hohl, E. Osborne, W. R. Shirrell, H. T. Caskey, R. S. Loughead and E. Arthur.

HAYWARD, Alameda Co., Cal.—The Hill & Valley Club proposes to make a campaign for funds to finance construction of a club house. A building to cost $12,000 is proposed. A site for the structure at Main and E streets has already been selected.

HOSPITALS

Plans Ready for Figures in About a Month.
HOSPITAL Cost, $175,000
SAN JOSE, Santa Clara Co., Cal. N. E-Santa Clara St. near 14th St.
Three - story fireproof hospital (75 beds).
Owner—San Jose Hospital Assn., a corporation.
Architect—Binder & Curits, 255½ S-First St., San Jose.

OAKLAND, Cal.—Until Dec. 27, 10 A. M., bids will be received by Geo. E. Gross, County Clerk, for fur. and install. furniture and equipment for use in Alameda County Hospital near San Leandro. **See call for bids under official proposal column in this issue.**

PORTLAND, Ore.—Architect Ernest Kroner, Spalding Bldg., has completed plans for proposed $350,000, six-story reinforced concrete and brick addition to the Emanuel Hospital at Graham and Stanton Sts. It is proposed to have construction under way the earlier part of 1922.

HOTELS

EUREKA, Humboldt Co., Cal.—The following bids were received by the Board of Directors of the Eureka Hotel Company, Construction Manager Frederick Whitton and Consulting Architect Frank T. Georgeson, for the construction of a three-story frame hotel building to contain 100 rooms. All bids were taken under advisement.

Excavation and Concrete Foundations Combined
Merced Fraser Co., Eureka....$14,000

Concrete Foundations
Barrett & Hilp, S. F.....$11,625
D. Wagner (informal), S. F.... 12,500
A. Wegner, S. F..... 17,830

Carpentry
L. Halvorsen, Eureka.....$62,998
Victor Anderson (labor)..... 30,000
D. Wagner (informal)..... 64,[illegible]
A. H. Wilhelm, S. F..... 96,300
Larsen Siegrist Co., S. F..... 71,000
A. Wegner (lumber furnished).. 40,777

Mill Work
Huber Bros. $14,998
Hammond Lumber Co..... 14,927
D. Wagner (informal)..... 16,944
National Mill & Lumber Co..... 25,000

Glass
Hammond Lumber Co., Eureka..$1,003
D. C. McDonald Co..... 1,384
W. P. Fuller & Co., S. F..... 1,549
Habenicht & Howlett, S. F..... 1,475
Cobbledick Kibbe Co., S. F..... 1,395

Painting
A. A. Zelinsky (informal), S. F..$ 7,485
R. Zelinsky, S. F..... 7,962
D. Zelinsky & Sons..... 8,[illegible]
A. Corrigan (informal)..... 7,719
L. J. Neal, S. F..... 10,000
A. R. Kissel, S. F..... 7,962
Faggioni Studios, S. F..... 12,[illegible]

Plumbing
F. W. Snook Co., S. F.....$22,500
Herman Lawson, S. F..... 21,690
Moore & Cook..... 20,[illegible]
J. H. Pinkerton, S. F..... 24,6[illegible]
Scott Co., S. F..... 21,[illegible]
Frank J. Klimm, S. F..... 2[illegible],8[illegible]
Carl Doell, Oakland..... 25,603

Heating
J. H. Pinkerton, S. F.....$ 9,[illegible]
Frank Klimm..... 9,3[illegible]
Carl T. Doell..... 10,300
Scott Co. 9,920
Herman Lawson 12,293
F. W. Snook Co..... 3,[illegible]
J. A. Nelson..... 9,627
Thos. J. Kennedy ..... 10,[illegible]
Moore & Cook..... 11,1[illegible]

Heating and Plumbing Combined
J. H. Pinkerton, S. F .....$30,8[illegible]

Elevators
Otis Elevator Co., S. F. .....$[illegible]
Spencer Elevator Co., S. F..... 5,745
Van Emon Elevator Co., S. F..... 5,678
Pacific Elevator Co., S. F..... 4,400

Sundry Iron Work
Eureka Boiler Works, Eureka..$1,826
Sunset Iron Works, S. F..... 1,900
Wilmington Iron Works..... 1,957
Moore & Fleder (informal), S. F. 1,816
C. J. Hillard Co. (informal), S. F. 1,966
Federal Iron Works (informal), S. F. 2,280

Hardware
H. H. Buhne, Eureka.....$2,585
Baker & Crosby..... 2,350
[illegible] Bros. S. F 3,000
Palace Hardware Co. (informal) S. F. 2,485

Sheet Metal
Schrader & Harris.....$ 5,500
Heidt Cornice Works, S. F..... 5,696
City Cornice Co. (informal), San Francisco..... 5,456
Forderer Cornice Co. (informal) San Francisco 5,264
J. A. Nelson, S. F..... 5,627
Power & Pike..... 13,600

Tile Work
Scott Co. $3,798
Mangrum & Otter, S. F..... 3,881
Ransey Tile Co., S. F..... 4,249
Ginsberg Tile Co., S. F..... 4,477

Plastering
C. C. Morehouse, S. F.....$23,762
Alex. Mennie, S. F..... 24,150
Herman Bosch, S. F..... 19,200
James F. Smith..... 21,600
Peter Bradley (informal), S. F.. 19,300
D. Wagner (informal), S. F.... 20,958

Wiring
Janssen Electric Co., Eureka....$6,623
Newbery Electric Co., S. F..... 6,985
Decker Electrical Co., S. F..... 7,216
M. E. Ryan, S. F..... 6,925
Rex Electric Co., S. F..... 7,350
Frank J. Klimm (informal), S. F. 6,569

Plumbing, Heating and Wiring Combined
Turner Company, S. F $38,000

Lighting Fixtures
Janssen Electric Co.....$2,840
Roberts Mfg. Co..... 3,157
Thos. Day Co., S. F..... 3,200
Meyberg Co., S. F..... 4,500
Boyd Lighting Fixture Co., S. F.. 2,900
Boyd Lighting Fixture Co. (alternate) 2,450
Bird-Rymer Co., Oakland..... 2,985

Shades
Standard Furniture Co., Eureka..$567
W. & J. Sloane, S. F 500
Peck Bros. 546
R. R. Reid Furniture Co., S. F..... 704
Frank Robinson Co..... 520
Thompson Furniture Co..... 548
Schlueter Beecher Co. (informal) San Francisco 520

Roof
Malott & Peterson, S. F.....$1,023
B. L. Dennis, Eureka..... 714

Contracts Awarded.
HOTEL BLDG. Cost, $250,000
EUREKA, Humboldt Co., Cal.
Three-story frame hotel, 100 rooms (Eureka Inn).
Owner—Eureka Hotel Co.
Construction Mgr. — Frederick Whitton, 369 Pine St., San Francisco.
Excavation and concrete foundations combined, Merced Fraser Co., Eureka, $14,000.
Carpentry, L. Halvorsen, Eureka, $62,-
Millwork, Hammond Lumber Co., Eureka, $14,927.
Glass, Hammond Lumber Co., Eureka, $1,003.

Sundry iron work, Eureka Boiler Wks., Eureka, $1,826.
Wiring, Janssen Electric Co., Eureka, $6,623.
Sheet metal, Shrader & Harris, $5,500.
Contracts on the balance of the work will be awarded shortly.

Contract Awarded.
HOTEL Cost, $23,700
PITTSBURG, Contra Costa Co., Cal.
Two-story 26-room brick hotel.
Owner—G. Allusa, Pittsburg, Cal.
Architect—Not Given.
Contractor—Seeno & Columbo, Pittsburg, Cal.

Sketches Prepared.
HOTEL Cost, $500,000
LONG BEACH, Cal. S Ocean Blvd. E American Avenue.
Twelve-story brick and steel hotel building, 200 rooms.
Owner—Geo. W. and C. E. McIntyre, Proprietors of the Long Beach Auto Tours System.
Architect — Harvey H. Lochridge, Markwell Bldg., Long Beach.

Contracts Awarded.
ADDITION Cost, $40,000
BERKELEY. Shattuck Ave. and Allston Way.
Two-story reinforced concrete addition in rear of hotel.
Owner — Hotel Whitecotton (W. W. Whitecotton).
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Excavating, grading and concrete work awarded to Barrett & Hilp, 918 Harrison St., San Francisco, $20,869.
Heating System to W. K. Nottingham, 368 10th St., Oakland, $999.
Painting, tinting and wall paper to C. E. Irwin, 1732 California St., Berkeley.
Plumbing to Thos. R. Catton, 2327 Prince St., Berkeley, $2799.
Tile work to Robert Howden, 1117 Webster St., Oakland, $2275.
Electrical work to Rochester Electric Co., 2134 University St., Berkeley, $1072.
Marble work to Ray Cook Marble Co., 3920 Grove St., Oakland, $1000.

MAXWELL, Colusa Co., Cal.—The Chamber of Commerce is outlining a campaign to secure the erection of a modern hotel building here. The only hotel building in the town was destroyed by fire recently.

PORTERVILLE, Tulare Co., Cal.—H. L. Morrison, secretary of Porterville Chamber of Commerce, announces plans are being completed for a modern hotel building to be erected in this city. The structure will accommodate 150. The Rotary Club and other organizations will be asked to assist in erecting the structure.

SAN JOSE, Santa Clara Co., Cal.—Preparations are being made by the San Jose Young Women's Christian Assn. for a campaign for funds to finance construction of a hotel building.

POWER PLANTS

Plans Being Prepared.
POWER HOUSE, ETC. Cost, $——
SAN LEANDRO, Alameda Co., Cal. County Infirmary.
One-story tile and frame power house and a one-story tile or frame laundry building.
Owner—Alameda County.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
The power house will contain ice making plant, refrigerating plant, incinerator and shops.

Construction will be started in about two months.

PUBLIC BUILDINGS

Preliminary Plans Prepared.
BATHHOUSE Cost, $1,000,000
SAN MATEO, Cal. San Mateo Beach.
Bathhouse 3000 ft. long with enclosed plunge, boardwalk, auditorium, dancing hall and cafe, concessions, etc.
Owner — Pacific City (Nat T. Messer, promoter).
Architect—Thomas Edwards, 833 Market St., San Francisco.

Bids To Be Advertised For Shortly.
CAPITOL EX. BLDGS. Cost, $3,000,000
SACRAMENTO, Cal.
Two Capitol Extension buildings, class "A" construction.
Owner—State of California.
Architect—Weeks & Day, Phelan Bldg., San Francisco.

Contract Awarded.
POST OFFICE BLDG. Cost, $35,000
RICHMOND, Contra Costa Co., al. NE Sixth St. and Nevin Ave.
One-story brick and terra cotta post office building, 50x112.
Owner—Wilbur S. Pierce, Richmond.
Lessee—U. S. Government.
Architect—Chas. W. Claudius, Call Bldg., San Francisco.
Contractor—Carl Overaa, 2105 Roosevelt St., Richmond.

SONORA, Tuolumne Co., Cal.—The American Legion, representing posts in Tuolumne County, has petitioned the Supervisors to provide funds for the construction of a memorial hall.

SACRAMENTO, Cal.—State Board of Control has appropriated $5,000 to finance construction of administration headquarters in the Humboldt Redwood Park, Mendocino County, for the State Board of Forestry. Plans for the structure have been completed and immediate construction is planned.

RESIDENCES

Plans Being Prepared—To Be Done by Day's work.
BUNGALOWS Cost, $5,200 ea.
SAN FRANCISCO. 20th Ave. between Anza and Balboa.
Twenty 1-story frame bungalows.
Owner—Name withheld.
Architect—O. R. Thayer, 110 Sutter Street.
Plans for five of the buildings are complete.

Sub-Figures Being Taken.
RESIDENCE Cost, $10,000
SAN FRANCISCO. NW 41st Ave. and Fulton St.
One-story and basement frame and plaster residence.
Owner—Mrs. Sarah McGee.
Architect—Mr. O'Brien, Foxcroft Bldg.

To be Done By Day's Work.
DWELLINGS Cost, $3,500 each
SAN FRANCISCO. Vicinity of Staples and Forester Avenue.
Fifteen one-story frame and plaster 5-room dwellings.
Owner—Rudolph Mohr & Son, 233 Pacific Bldg., San Francisco.
Architect—Owner.

Ready For Figures In a Few Days.
RESIDENCE Cost, $9,000
SAN FRANCISCO. St. Francis Wood.
One and one-half-story frame residence (7 rooms).
Owner—Mr. Thomas.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

To Be Done By Day's Work.
RESIDENCES Cost, $10,000 each
SAN FRANCISCO. N Lake 60 E 30th Avenue and NE Corner.
Two two-story and basement frame residences.
Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.

Contract Awarded.
RESIDENCE, ETC. Cost, $15,500
OAKLAND, Cal. N. Longridge Road 350 E Lakeshore.
Two-story 9-room frame residence and garage.
Owner—Chas. Kushins, San Francisco.
Architect—Not given.
Contractor—F. J. Westlund, 351 12th St., Oakland.

Contract Awarded.
RESIDENCE Cost, $40,000
COLFAX, Placer Co., Cal.
Two-story and basement frame and stucco residence (14 rooms).
Owner—Dr. Robert A. Peers, Colfax.
Architect—B. R. Maybeck and G. H. White, Lick Bldg.
Contractor—W. B. Lardner, Jr., Auburn, Cal.

Plans Being Prepared.
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Cal.
Two-story frame and plaster residence (8 rooms, 2 baths).
Owner—W. King.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Figured.
RESIDENCE, ETC. Cost, $10,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plastered 7-room residence and garage.
Owner—Miss H. Cohn.
Architect—W. C. Falch, Hearst Bldg.

Contract Awarded.
RESIDENCES Cost, $7000 each
SAN FRANCISCO. Merritt Terrace.
Three one and one-half-story frame residences.
Owner—Geo. Merritt, Crocker Bldg., San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco.

Plans to be Prepared.
RESIDENCE Cost, $——
SAN MATEO, Cal. Wallace Martin Property (20 acres).
Large residence.
Owner—Rudolph Spreckels, 1st National Bank Bldg., San Francisco.
Architect—Not Selected.

Low Bidder.
RESIDENCE. Cost, $35,000
PIEDMONT, Alameda Co., Cal. Crocker Avenue.
Two-story and basement frame residence with tile roof; also garage.
Owner—H. D. Nichols.
Architect—Albert Farr, 68 Post St., San Francisco.
Alfred Peterson, 3918 Linwood Ave., Oakland, submitted the lowest bid.

Plans Being Prepared—Ready For Figures In One Week.
RESIDENCE Cost, $9000
ALAMEDA. San Jose Ave.
Two-story and basement frame and plaster residence (5 rooms).
Owner—Theo A. Eisfeldt.
Architect—W. O. Lewis, care of B. G. McDougall, Alto Bldg., 381 Bush St., San Francisco.

SCHOOLS

Bonds Voted—Working Drawings To Be Prepared.
SCHOOL Cost, $115,000
LIVERMORE, Alameda Co., Calif.
One - story interlocking tile school building (8 classrooms, auditorium, gymnasium, manual training, domestic science rooms, etc.).
Owner — Livermore Grammar School District.
Architect — Henry H. Meyers, Kohl Bldg., San Francisco.

Plans Being Prepared.
SCHOOL Cost, $100,000
PASADENA, Cal. Site of Junipero Serra School, S. of California St. from Fair Oaks to Raymond Ave.
Hollow tile (8 rooms and auditorium) school.
Owner—Pasadena Board of Education.
Architect — Cyril Bennett, Kendall Bldg., Pasadena.

Plans Being Figured—Bids Close Dec. 27, 8 P. M.
SCHOOL Cost, $250,000
PETALUMA, Sonoma Co., Cal.
Two-story and basement reinforced concrete brick Junior High School.
Owner—Petaluma Board of Education.
Architect—Brainerd Jones, 110 Washington St., Petaluma.
See call for bids under official proposal column in this issue.

Commissioned to Prepare Plans.
SCHOOL BLDGS. Cost, $——
PLACERVILLE, El Dorado Co., Cal. Site to be Selected.
Fireproof high school buildings.
Owner—Placerville School District.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
A bond election for about $300,000 will be held shortly.

Plans Being Figured—Bids Close Dec. 14, 1921, 9 A. M.
SCHOOL Cost, $84,000
LOS ANGELES, Cal. Santa Fe Ave & 16th St. (Santa Fe School).
Two-story and basement reinforced concrete school.
Owner—Los Angeles Board of Education.
Architect—Thos. Franklin Power, Los Angeles.
Separate bids will be taken on the general contract, plumbing, heating, painting and electric work.
Plans may be obtained from the Secretary's office at 730 Security Bldg., Los Angeles.

Plans Being Prepared.
SCHOOL BLDGS. Cost, $225,000
AZUSA, Los Angeles Co., Cal. Between Azusa and Glendora.
Five reinforced concrete high school buildings.
Owner—Citrus Union High School District.
Architects—John C. Austin, Baker-Detwiler Bldg., Los Angeles and W. Horace Austin, Long Beach.

Commissioned to Prepare Plans.
SCHOOL Cost, $300,000
REDWOOD CITY, San Mateo Co., Cal. State Highway and Broadway.
One and two-story fireproof school (type of construction not decided).
Owner—Sequoia Union High School District.
Architects—Carl Werner & A. I. Coffey Humboldt Bank Bldg., San Francisco.

Figures to be Taken in January.
SCHOOL Cost, $200,000
RICHMOND, Contra Costa Co., Cal. Ninth and Bissell Avenue.
One and three-story reinforced concrete and hollow tile Junior High School, 216x321 feet.
Owner—City of Richmond School Dist.
Architect—Jas. T. Narbett, 910 MacDonald Ave., Richmond.

NAPA, Napa Co., Cal.—Until Dec. 19, 8 P. M., bids will be received by Howard E. Roper, Clerk, Napa School District, for constructing school on Lincoln school site; also bids for heating and ventilating system for the structure and for the heating and ventilating in the John Shearer school building. W. H. Weeks, 369 Pine St., San Francisco, architect. **See call for bids under official proposal column in this issue.**

SUSANVILLE, Lassen Co., Cal.—A committee has been appointed to secure estimates of cost for erecting a four-room and assembly hall school building for the Milwood District. A bond election will be called to finance construction of the proposed structure.

WILLOWS, Glenn Co., Cal.—Following bids received and taken under advisement by the Willows Union High School District for blackboards, shades and cork linoleum for school building from plans by Architect W. H. Weeks, 369 Pine street, San Francisco.
SLATE BLACKBOARDS: — Rucker-Fuller Desk Co., 677 Mission St., San Francisco, $3,192.50; C. F. Weber & Co., 985 Market St., San Francisco, $3,473.
WINDOW SHADES:—D. N. & E. Walter Co., 562 Mission St., San Francisco, $1,312; Hochheimer & Co., Willows, $1,144.
CORK LINOLEUM:—D. N. & E. Walter Co., $1,655.25; Van Fleet-Freear Co., 61 New Montgomery St., San Francisco, $1,644; Hulse-Bradford Co., 844 Mission St., San Francisco, $2,513.50; Hochheimer Co., $2,225.

MADERA, Madera Co., Cal.—Until Dec. 10, 3 P. M., bids will be received by Arthur Sanderson, Clerk, Alpha School District, Route 1, Box 34, Madera, for installing hot water system for heating school building. Certified check $100 required with each bid. Further information may be had from clerk.

SACRAMENTO, Cal.—Bids will be received by the Sacramento Board of Education until December 12, 1921, at 7:30 P. M., for the construction of a two-story concrete and brick school with tile roof to be known as the "Highland Park School." **For further particulars see call for bids in official proposal column.**

SANTA CRUZ, Santa Cruz Co., Cal. Until Dec. 13, 8 P. M., bids will be received by J. H. Garrett, Clerk, Board of Education, for constructing Boys' Physical Training Quarters at the High School. **See call for bids under official proposal column in this issue.**

SAN FRANCISCO.—Board of Public Works requests Supervisors to adopt ordinance authorizing the construction of the Oral-Deaf school in south side of Washington St. bet. Franklin and Gough Sts. John Reid, Jr., City Architect.

BERKELEY, Alameda Co., Cal.—Until Dec. 13, 4 P. M., bids will be received by Clyde E. Blanchard, acting secretary, Board of Education, 2133 Allston Way, Berkeley, for electric work at High School Science Building at Allston Way near Grove St. **See call for bids under official proposal column in this issue.**

OROVILLE, Butte Co., Cal.—Mrs. Geo. H. Gilbert, Bank of Italy Bldg., Clerk of Thermalito School District, is taking bids for furnishing and installing playground apparatus at Thermalito School. Specifications will be furnished on request.

[illegible] A. M., December 21, bids will be received by Los Angeles Board of Education for following school work:
For erecting new building at Rosemont Ave. school site; Geo. M. Lindsey, Glendale, architect. Two-story and part basement, 113x110 ft. extreme dimensions, brick construction, 7 classrooms.
For erecting new building at Grant school site, Wilton Place and Harold Way; Jeffery & Schaefer, architects. Two-story, 101x64 ft., 9 classrooms, brick construction, plaster exterior, [illegible]
Until 9 A. M., December 14, bids will be received for following school work:
For erecting new building at East First St. school site: Krempel & Erkes, architects. Two-story and basement, 139x160 ft., extreme dimensions, 7 classrooms and auditorium, brick construction.
For alterations and additions to heating plant at Hollywood high school.
For additions and alterations to shop building at Lincoln high school.
Plans may be obtained at Secretary's office, 730 Security Bldg. Bids taken on general work, plumbing, heating, painting and wiring.

BERKELEY, Alameda Co., Cal.—Until Dec. 13, 4 P. M., bids will be received by Clyde E. Blanchard, Acting Secretary, Board of Education for furnishing and installing chairs and tables in the [illegible] School. **See call for bids under official proposal column in this issue.**

RICHMOND, Contra Costa Co., Cal.—Trustees of Richmond School District award contract to Standard Electric Time Co., 461 Market St., San Francisco, to install time clocks in Fairmount school for $200, the company to make allowance of $35 for old button board now in the school.

[illegible] Cal. — Weymouth Crowell, 2026 W. 9th St., Los Angeles, [illegible] general contract for new Vine St. school building; Witmer & Watson, architects. Kneen Contracting Co., Santa Monica, was low bidder if alternate A (addition for work required for steam heat), is accepted as Kneen Co. bid $59,834 with a deduction of $1000 for Alternate A while Weymouth Crowell added $1156. Other low bidders were: J. Hokom on steam heating at $5199; F. E. Newbery Electric Co. on wiring at $1987; Alhambra Wall Paper & Paint Co. on painting at $3000; and G. C. Sut- [illegible] under advisement. Two stories and [illegible] hollow tile walls, plaster exterior, tile and composition roof. The bids were:
General Contract— [illegible] well, $58,900; (a) add for additional work [illegible] & Co., $59,472; (a) $250; John D. Kneen Contracting Co., $59,834; (a) deduct [illegible] Planing Mill Co., $65,750; (a) $1160; [illegible] Cambrian Constr. Co., $66,740; (a) $720; [illegible] J. A. Hill Constr. Co., $68,473; (a) $1500 and Walter Slater Co., $74,000; (a) [illegible]
Plumbing— [illegible]
Heating— [illegible]
Electrical Work— [illegible] Co., $2050; Prewitt Electric Co., $2167.

Painting—Alhambra Wall Paper & Paint Co., $3000; Arenz-Warren Co., $3489; E. A. Lindgreen, $3600; R. Zelinsky, $3943.

Plumbing—G. C. Sutton, $6330; Arthur Hess, $7458; J. Hokom, $7546; Thos. Haverty Co., $8599

VALLEJO, Solano Co., Cal.—The Vallejo Board of Education has awarded contracts for furnishing and installing electric light fixtures for the Grant, Charles F. Curry and Roosevelt schools to the Vallejo Electric Light & Power Company, that firm being lowest bidder. As soon as this work is completed the formal opening of the Charles F. Curry and Roosevelt schools will take place.

The secretary of the board was authorized to advertise for the new furniture that would be needed for the furnishing of McKinley grammar school, the George Washington junior high school and the new senior high school.

NOVATO, Sonoma Co., Cal.—The Board of Trustees of the Novato School District received the following bids on November 25th for the construction of a 1-story frame and plaster school from plans prepared by Architect Walter H. Parker, 57 Post St., San Francisco. The contract will be awarded to Cobby & Owsley, 180 Jessie St., San Francisco. Bids were taken on four propositions, (1) building complete, (2) finish omitted in auditorium, (3) auditorium omitted, (4) frame building:

Cobby & Owsley, (1) $30,980, (2) deduct $1,000, (3) deduct $4,580, (4) deduct $4,300.

Rocca & Coletti, (1) $31,154, (2) $750, (3) $1,800, (4) $1,000.

Geo. A. Bos, (1) $31,685, (2) $875, (3) $3,718, (4) $4,118.

Dan R. Wagner, (1) $32,883, (2) $1,250, (3) $6,800, (4) $1,500.

Sampson Constr. Co., (1) $34,800, (2) $1,225, (3) $600, (4) $2,600.

E. E. Etherton, (1) $35,400, (2) $1,156, (3) $4,270, (4) $2,408.

LOS ANGELES, Cal.—K. R. Bradley Constr. Co., 1925 E. 16th St., Los Angeles, was low bidder at $62,698 on general contr. for new Alpine St. school bldg.; Parker O. Wright, Central Bldg., Los Angeles, is the architect. Low bidders on other contracts were: D. Zelinsky & Son on painting at $2400; Arthur Hess on plumbing at $3056; F. E. Newbery Co. on electrical work at $2828; and Arthur Hess on steam heating at $5473. Bids taken under advisement. Two-story, 100x60 ft. with a wing 73x47 ft., 10 classrooms, reinf. concr. frame and floors, gypsum block partitions, stucco exter., comp. roof, pine trim. The bids were:

General Contract—K. R. Bradley Constr. Co., $62,698; J. B. Harris, $63,269; R. H. Whinery, $67,000; Frank Hudson, $67,499; Willard-Brent Co., $67,950; L. A. Geisler & Son, $68,122; Walter Slater Co., $70,000; Cambrian Constr. Co., $70,530; and J. A. Hill Constr. Co., $73,935. **Painting**—D. Zelinsky & Son, $2400; E. A. Lindgreen, $3000; Arenz-Warren Co., $3166; Alhambra Wall Paper & Paint Co., $3478. **Plumbing**—Arthur Hess, $3056; E. W. Crowell, $3474; J. Hokom, $4100; Marshall-Lock Co., $4232. **Steam Heating**—Arthur Hess, $5473, J. Hokom, $6329; Marshall-Lock Co., $6465; Thos. Haverty Co., $6700; Munger & Munger, $6884; Jas. A. Nelson, $7129. **Electric Wiring**—F. E. Newbery Co., $2828; Prewitt Elec. Co., $2894; American Elec. Constr. Co., $2999; Standard Elec. Co., $3085.

FRESNO, Fresno Co., Cal.—Following bids received by Fresno Board of Education for constructing gymnasium for high school group:

General Contract

Collman & Speidel, San Francisco, (1) $35,177, (2) $18,719, (3) $16,458, (4) $1,140, (5) $684, (6) $456.

Shorb and Neads, Fresno, (1) $32,500, (2) $16,936, (3) $15,733, (4) $853, (5) $484, and (6) $369.

J. B. Hart, Fresno, (1) $31,510, (2) $17,047, (3) $14,796, (4) $1,140, (5) $684, (6) $565.

Antone Johnson, Kingsburg, Cal., (1) $34,750, (2) $18,200, (3) $16,800, (4) $1,200, (5) $750, (6) $450.

Paulsen & Stange, Fresno, (1) $31,900, (2) $17,900, (3) $14,800, (4) $1,240, (5) $680, (6) $560.

Fredrickson & Shamnon, Fresno, (1) $35,385, (2) $18,600, (3) $17,879, (4) $1,100, (5) $680, (66) $554.

Plumbing

B. A. Newman Co., Fresno, (1) $5,936, (2) $2,951, (3) $2,985.

Barrett-Hicks Co., Fresno, (1) $4,806.

Construction will be carried on under supervision of the R. F. Felchlin Co. of Fresno.

SACRAMENTO, Cal. — The Sacramento Board of Education opened bids and awarded the contract on November 28th, for the construction of a two-story concrete and brick school building with tile roof, to be known as the "Stanford School." Plans were prepared by the Architectural and Engineering Department-Hemmings, Petersen & Hudnutt, Library Bldg., Sacramento. Betz & Mabrey, 2526 41st St., Sacramento, were awarded the contract. Following is a complete list of the bids:

Betz & Mabrey, Sacramento	$225,499
McGillivray Constr. Co.	235,850
Wm. Murcell, Sacramento	237,984
Robert Trost, S. F.	238,373
K. E. Parker Co., S. F.	244,700
Hays-Oser, San Francisco	254,990
Barrett & Hilp, S. F.	255,048

SAN FRANCISCO.—E. E. Etherton Co., Monadnock Bldg., at $45,324 submits low bid to Board of Public Works for general construction of McKinley school; Standard Electric Construction Co., 80 Natoma St., low bid for electric work at $1,390, and J. E. O'Mara, 443 Minna St., at $7,235 for heating and plumbing. Complete list of bids follow:

Farrell & Reed	$53,600
O. Monson	47,435
Elmer Carlson	51,740
Anderson & Ringrose	51,490
G. P. W. Jensen	51,460
E. E. Etherton Co.	45,342
A. H. Vogt	49,539
Morton Bros.	51,400

Electric Work

Standard Elec. Constr. Co.	$1,390
G. A. Metcalfe	1,948
M. E. Ryan	1,700
S. M. Radelfinger	1,630
Atlas Electric Co.	1,625
Butte Elec. & Equip. Co.	1,571
Turner Co.	1,800
Central Electric Co.	1,763
Kohlwey-Smith Electric Co.	1,776
Collonan Electric Co.	1,675

Heating and Plumbing

Fred W. Snook Co.	$8,178
A. Lettich	8,600
Turner Co.	7,640
J. E. O'Mera	7,235
Scott Co.	7,279

LOS ANGELES, Cal.—Walter Slater Co., 2314 Santa Fe Ave., Los Angeles, was awarded general contract at $57,200 for annex to Van Nuys grammar school; H. F. Withey, architect. Award based on bid of $56,000 plus $1200 for additional work for steam heating. An apparently lower bid submitted by Macdonald & Driver was rejected as not complying with specifications. Other contracts awarded were: Plumbing to E. W. Crowell at $5975; steam heating to Arthur Hess at $2972; painting to Alhambra Wall Paper & Paint Co. at $2493; and electric work to American Electric Constr. Co. at $1185. Two stories and part basement, 67x148 feet, 8 classrooms, brick construction, plaster exterior, composition roof.

LOS ANGELES, Cal.—K. R. Bradley Const. Co., 1925 E. 16th St., Los Angeles, was awarded general contract at $74,092 for new Cornwell St. school bldg.; C. H. Russell, architect. Award based on bid of $73,392 with an addition of $700 for additional work for steam heating. Other contracts awarded were: painting to Arenz-Warren Co. at $2889; steam heating to Marshall-Lock Co. at $3106; and electric work to Prewitt Electric Co at $2042. The bids for plumbing were held under advisement. Ten class rooms, 2 stories, 186x62 ft., brick constr., art stone trim., comp rf.

OROVILLE, Butte Co., Cal.—Until Dec. 15, 3 P. M., bids will be received by W. W. Reece, secretary, Board of Education, 6 Jones Bldg., for constructing addition to Oro Vista school. Bids will be considered on the same date for purchase of "old high school" and manual training building of the "old Oroville high school." Certified check 10% payable to board required with each bid. Plans may be seen at the office of secretary.

SANTA ROSA, Sonoma Co., Cal.—Trustees of Santa Rosa High School District purchase 30-acre site just north of city limits on which it is proposed to erect a new high school. The old structure was recently destroyed by fire.

Date of Opening Bids Postponed.
SCHOOL Cost, $30,000
CASTRO VALLEY, Alameda County.
One-story frame and plaster school (6 rooms and an auditorium).
Owner—Castro Valley Public School District.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

The date of opening bids has been extended from December 3rd to December 17, 1921, at 7 P. M.

THEATRES

Contract Awarded.
THEATRE, ETC. Cost, $100,000
LONG BEACH, Los Angeles Co., Cal. Pike near Pine Avenue.
Two-story theatre and office building.
Owner—W. L. Porterfield.
Architect — Thornton Fitzhugh, Story Bldg., Los Angeles.
Contractor—J. C. Beer, 1515 E-Ocean Blvd., Long Beach.

STORES AND OFFICES

Plans Being Prepared.
OFFICE BLDG. Cost, $200,000
SAN FRANCISCO. E Montgomery 87 S Bush, 33-6x77-6.
Four-story and basement reinforced concrete office building.
Owner—Roos, Dunn & Williams.
Architect—G. A. Lansburgh, 604 Mission St., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

Contract Awarded.
OFFICE BLDG. Cost, $65,000
SAN FRANCISCO. S Market 385 E Second Street.
Two-story and basement brick office building.
Owner—H. L. Simon.
Architect—None.
Contractor—H. P. Hoyt, Monadnock Bldg., San Francisco.

Segregated Figures Being Taken.
STORE BLDG. Cost, $80,000
BERKELEY, Alameda Co., Cal. W Shattuck Ave. Between Bancroft Way and Durant Avenue.
One-story reinforced concrete store building (13 stores).
Owner—W. W. Whitecotton, Whitecotton Hotel, Berkeley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Figured—Bids Close Dec. 5, 1921.
STORE BLDG. Cost, $——
SAN FRANCISCO. S Geary Street W Jones Street.
One-story and basement reinforced concrete store building.
Owner—Thos. U. Smyth.
Supervising Architect — August G. Headman, Call Bldg., San Francisco

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Contracts Awarded.
AUTOSALES BLDG. Cost, $15,000
SAN FRANCISCO. NW Geary and 2nd Avenue.
One-story brick autosales bldg.
Owner—Ulrich Remensperger, 695 Dolores St.
Architect—T. Paterson Ross, 310 California St.
Concrete, carpentry, brick, iron, millwork, roofing, sheet metal, marble, hardware,etc., awarded to A. W. Lawson, 180 Jessie St., $13,044.
Painting to F. E. Shenehan and E. H. De Bord, 1040 Howard St., $443.
Electric work to Schwartz Elec. Co., 922 Clement St., $515.

Revising Plans.
OFFICE, ETC. Cost, $300,000
LONG BEACH. S Ocean Blvd. S of Chamber of Commerce Bldg.
Six-story reinforced concrete office and theatre building.
Owner—Long Beach Bathhouse and Amusement Co., Col. Charles R. Drake, President.
Architects—John C. Austin and W. H. Austin, 1st National Bank Bldg., Long Beach.

Plans Completed .
CLASS A BLDG. Cost, $——
LOS ANGELES, Cal. Olive Street near Eighth Street.
Ten-story and basement Class A telephone building, 100x146.
Lessee—Southern California Telephone Company.
Owner—Jas. H. Adams.
Architect—Richard D. King, Van Nuys Bldg., Los Angeles.

Plans Being Figured.
OFFICE BLDG. Cost, $——
LONG BEACH, Cal. Twenty-sixth and Figueroa Streets.
Three-story Class A office building, 267 x207.
Owner—Automobile Club of Southern California.
Architects — Hunt & Burns, Laughlin Bldg., Los Angeles.
NOTE:—The basement and first floor are already constructed.

Contract Awarded.
OFFICE, WAREHOUSE, GAR. BLDG. Cost, $11,500.
SAN JOAQUIN, Fresno Co., Cal.
One-story brick and stucco offices, and warehouse, and brick garage building.
Owner—San Joaquin Light & Power Company.
Plans by Engineering Dept. of Owners; E. G. Stahl, in charge of construction.
Contractors—W. F. Stout and F. S. Snyder, San Joaquin, Cal.

Plan to Start Construction Shortly.
OFFICE BLDG. Cost, $1,250,000
SACRAMENTO, Cal. SE Seventh and K Streets.
Eighteen-story Class A bank and office building.
Owner—Sacramento-San Joaquin Bank.
Architects—Weeks & Day, Phelan Bldg San Francisco.

Ready to Take Figures Friday.
FILM EXCHANGE, ETC. Cost, $45,000
SAN FRANCISCO. NE Turk and Leavenworth Streets.
Two-story and basement reinforced concrete film exchange and labratory building.
Owner—Louis R. Lurie.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.

Contract Awarded.
LOFT BLDG., ETC. Cost, $15,000
BURLINGAME, San Mateo Co., Cal. N Burlingame Ave. 75 W Main St.
Two-story concrete store and loft building and alterations to Offield Building.
Owner—Archie and Irene M. Offield, Burlingame.
Architects—Alfred Kuhn and Thos. M. Edwards, 833 Market St., San Francisco.
Contractor — Frank H. Boring, 514 Santa Inez St., San Mateo.

Contract Awarded.
DEPT. STORE BLDG. Cost, $500,000
LOS ANGELES, Cal. 5th St. and Broadway.
Concrete work, brick work, and plastering for a 11-story Class "A" department store bldg.
Owner—Fifth Street Store.
Architect—Alex E. Curlett, Merchants Natl. Bank Bldg., Los Angeles, Cal.

Contract to be Awarded.
STORE & SHOP BLDG. Cost, $15,000
SAN FRANCISCO. Valencia Street near Twentieth Street.
One-story brick store and shop building.
Owner—Withheld.
Architect—Albert Fabre, 110 Sutter St., San Francisco.
Geo. A. Bos, Hearst Bldg., submitted the lowest bid at $15,865 and he will be awarded the contract.

LODI, San Joaquin Co., Cal.—William H. Thompson of Lodi has purchased the corner of Oak and School streets and proposes to erect a two-story brick business block. Site has frontage of 240 feet.

Geo. H. Casey of Sacramento has purchased the McIntosh property, with a frontage of 175 ft. on two streets, and proposes to build a modern office building in the immediate future.

OAKLAND, Cal.—It is reported that Dunn-Williams Co. and MacDonald & Kaahn of San Francisco have purchased the property on Broadway adjoining the Hutchinson Building in Oakland and are planning the erection of a four-story commercial building to cost $75,000.

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Official Proposals

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed proposals will be received and opened by the Board of Trustees of the Napa School District, Napa County, State of California, at their rooms in the Napa High School Building in the City of Napa, County of Napa, and State of California, at 8 **o'clock P. M., December 19, 1921,** for the erection and completion of a school building to be built on the Lincoln School lot, in the City of Napa, State of California, according to plans and specifications prepared for the same by W. H. Weeks. Bids will be received on the general construction with its alternate propositions, together with separate bids on the vacuum cleaning plant, the program clock system. Also on the heating and ventilating system in said school building and in the John L. Shearer School Building combined.

Plans and specifications may be seen at the office of the Clerk of the Board, in the City of Napa, or at the office of the Architect, W. H. Weeks, 369 Pine Street, San Francisco, Calif.

All bids should be presented on Bid Form furnished by the Architect. Each bid must be accompanied by a certified check on some responsible California bank in the sum of not less than ten (10%) per cent of the amount bid, made payable to Mrs. Percy S. King, President of the Board of Trustees of the Napa School District, for the purposes stated in the specifications.

Each bid must be enclosed in a sealed envelope and addressed to Howard E. Roper, Clerk of the Napa School District, Napa, California, and endorsed "Proposal for Building School House."

The Board of Trustees expressly reserves the right to reject any and all bids. Bids may be delivered to the undersigned, Clerk of said Board of Trustees, at his residence in said City of Napa, or handed in to the said Board of Trustees at the time and place of meeting above stated, at any time up to the hour of opening said bids.

HOWARD E. ROPER,
Clerk of the Board of Trustees of the Napa School District of Napa County, State of California.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of Petaluma City High School District, Sonoma County, California, will receive sealed bids for the furnishing of all labor and material necessary in the erection and completion of a Junior High School Building and Gymnasium Building on the lands recently purchased by the said Board of Education for that purpose, which said lands are bounded by Fair, Bassett, Broadway and English Streets, according to the plans and specifications therefor prepared by Brainerd Jones, Architect, of the City of Petaluma, and which said plans and specifications are now on file in the office of the said Board of Education at the City Hall in the City of Petaluma, County of Sonoma, State of California, and copies of which said plans and specifications can be procured at the office of the said architect in the said City of Petaluma, upon depositing with the said architect the sum of Fifteen and 00-100 ($15.00) dollars, which said sum will be returned upon the return of the said plans and specifications.

Said sealed bids will be received **up to eight o'clock P. M. of the 27th day of December, 1921,** by the undersigned Secretary of the Board of Education of Petaluma City High School District, Sonoma County, California, at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, in the City Hall, in the said City of Petaluma.

Said sealed bids must be accompanied by a certified check in a sum equal to at least 10 per cent (ten per centum) of the amount of bid to do the work mentioned, which shall be forfeited if such bid is accepted and such bidder, or bidders shall fail to enter into a contract for the construction of said buildings in accordance therewith within fifteen days after acceptance of such bid.

No bids will be considered unless made out on blank forms furnished by said architect.

The successful bidder, or bidders, will have to give bonds in the sum of 50 per cent (fifty per centum) covering labor and materials, and in addition a 20 per cent (twenty per centum) bond for faithful performance.

The said Petaluma City High School District, Sonoma County, California (as owners), reserve the right to reject any and all bids.

All bids to be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma, City High School District, Sonoma County, California.

By order of the said Board of Education of Petaluma City High School District, Sonoma County, California.

P. J. BLIM,
Secretary.

BIDS WANTED FOR SCHOOL

NOTICE TO CONTRACTORS

(Two-story Concrete and Brick Structure With Tile Roof, $165,000)

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Education of the Sacramento City School District for the complete erection of a school building in accordance with plans and specifications on file in the office of the Secretary of the Board of Education of the Sacramento City School District, Room 300, City Hall, Sacramento, California, and also in the office of Hemmings-Petersen-Hudnutt-Inc., Architectural and Engineering Commission, Sacramento Elementary Schools, third floor of City Library, 9th and I Streets, Sacramento, California.

The said school building is to be erected on the property owned by the School District, at 24th and 25th Streets, Castro Way and Fourth Avenue, situated in the City of Sacramento, State of California.

On a deposit of $20.00 with the Board of Education, or the Architectural and Engineering Commission, complete sets of plans and specifications may be had by any prospective bidder, and retained for a period of 15 days. The deposit will be returned to the bidder on the return of the plans and specifications in good condition.

Bids must be made on proposals obtained at the office of the Architectural and Engineering Commission, and be signed by the bidder, accompanied by a certified check for at least 10% of the amount of the bid or proposal, certified to by some responsible bank or banker, and made payable to the Secretary of the Board of Education of the Sacramento City School District, said check to be forfeited to and retained by the School District, should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award, or to give bonds as required. Bids must be plainly marked on the exterior "Proposals for Highland Park School Building."

All bids must be filed with the Secretary of the Board of Education of the Sacramento City School District, Room 300, City Hall, Sacramento, California, not later than **7:30 o'clock P. M., Monday, December 12th, 1921.**

The Board of Education of the Sacramento City School District reserves the right to reject any and all bids.

BOARD OF EDUCATION
SACRAMENTO CITY SCHOOL DISTRICT.

Chas. C. Hughes, Secretary.

BIDS WANTED FOR PHYSICAL TRAINING QUARTERS

NOTICE TO CONTRACTORS

Notice is hereby given that bids are requested for the erection of a building for Boys' Physical Training Quarters at the Santa Cruz High School.

Plans and specifications for the building may be seen at the office of the City Superintendent of Schools, J. W. Linscott, in the City Hall.

Bids will be opened at the offices of the Board of Education at **8 P. M. o'clock on Dec. 13, 1921.**

The right is reserved to reject any and all bids.

SANTA CRUZ CITY BOARD OF EDUCATION.

J. H. GARRETT, Clerk.
Dated Nov. 26, 1921.

BIDS WANTED FOR FURNITURE AND HOSPITAL SUPPLIES

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors, Alameda County, California.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until Tuesday, December 27th, 1921, at 10 o'clock A. M.** (the day when said bids will be opened and the contract awarded) for the furnishing of equipment consisting of Furniture and Hospital Supplies for use at the Alameda County Hospital, near San Leandro, Alameda County, California.

Specifications on file in the office of the County Clerk open to inspection.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the Contract.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.
Dated November 28, 1921.

NOTICE TO CONTRACTORS FOR ELECTRICAL WORK AT THE HIGH SCHOOL SCIENCE BUILDING

The Board of Education of the City of Berkeley and of Berkeley School District in the County of Alameda, State of California, invites and the undersigned will receive at his office, 2133 Allston Way, Berkeley, California, **up to the hour of 4 o'clock P. M., December 13, 1921,** sealed proposals for furnishing the necessary materials, tools and labor for the doing of certain electrical work at the High School Science Building, situated on Allston Way near Grove Street, Berkeley, California.

The work is to be done and performed in accordance with the plans and specifications on file in the office of the Secretary of the Board of Education, 2133 Allston Way, Berkeley, California.

All bids must be sealed and addressed to the Secretary of the Board of Education and must be accompanied by a certified check in the amount of ten per cent of the bid, payable to the Berkeley Board of Education.

The successful bidder must carry adequate insurance or give bonds indemnifying the Board of Education against liability for compensation provided by "Workingmens' Compensation

Insurance and Safety Act, approved May 26, 1913," satisfactory to the said Board of Education.

All bids must be delivered to the Secretary of the Board of Education at his office, 2133 Allston Way, Berkeley, California, prior to the hour of four o'clock P. M., on Tuesday, December 13, 1921, and will be opened by said Board of Education at or after the hour of 4:15 P. M. in the Board of Education rooms, 2133 Allston Way, Berkeley, California.

The Board reserves the right to reject any or all bids or any portion of any bid.

By order of the Board of Education of the City of Berkeley and Berkeley School District in the County of Alameda, State of California, November 1, 1921.

CLYDE BLANCHARD
Acting Secretary of said Board of Education.

HILLSBOROUGH SCHOOL DISTRICT

Hillsborough, California

CALL FOR BIDS FOR CONSTRUCTION OF TENNIS COURTS

By resolution of the Board of Trustees of Hillsborough School District, bids are invited for the supplying of all material and labor in and about the construction of one or two tennis courts on the lot of Hillsborough District School, Hillsborough, San Mateo County, California.

All bids shall be submitted in sealed envelopes addressed to Thomas H. Breeze, Clerk of Hillsborough School District, 433 California Street, San Francisco, California, **on or before the 17th day of December, 1921, at the hour of ten A. M.,** that being the time and place for opening such bids.

Plans and specifications may be seen at the office of W. C. Hammatt, Civil Engineer, Hearst Building, San Francisco, and at the office of the Clerk.

By order of the Board of Trustees of Hillsborough School District.

Dated this 28th day of November, 1921.

THOMAS H. BREEZE, Clerk
433 California Street, San Francisco.

SEALED PROPOSALS—STREET SWEEPING MACHINES

Sealed proposals will be received by the undersigned in the Council Chamber of the Sacramento City Hall **between the hours of 8 and 9 o'clock p. m. on date of December 8, 1921, for** furnishing the City of Sacramento with either one (1) or two (2) street sweeping machines, as the city may desire to purchase; said machines to be either of the revolving broom or of the suction type, proposals stating the approximate cost of performing work by these machines and the maintenance and operating cost based on actual service that has occurred over a period of at least one (1) year.

Bidders will be required to furnish upon signing a contract a faithful performance and guarantee bond in approximately fifty (50%) per cent of the amount of contract that the machines will operate in a satisfactory manner and be free from all structural and inherent mechanical defects for at least nine (9) months.

A certified check made payable to the City Controller for an amount not less than five (5%) per cent of the total amount bid, will be required with filing of the bid.

All such proposals must comply with the requirements of the new Charter of the City of Sacramento, effective June 30, 1921, and bidders are hereby cautioned that no bid which fails to comply therewith can be considered.

Bids must be submitted upon printed forms, with instructions to bidders prepared by the city, copy of which will be supplied free upon application to the undersigned.

The City Council reserves the right to reject any one of the bids submitted, or all of them, as in its judgment seems for the best interests of the city.

M. J. DESMOND,
City Clerk of the City of Sacramento, State of California.

BIDS WANTED FOR BROKEN STONE

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF ENGINEERING AND IRRIGATION

NOTICE TO CONTRACTORS

Sealed proposals will be received at the **Office of the Division of Engineering and Irrigation, 627 Forum Building, Sacramento, Calif., until 2 o'clock p. m., on December 19th, 1921** at which time they will be publicly opened and read, for the furnishing and placing of broken stone in accordance with the specifications therefor, to which special reference is made, for protection of the Sacramento River bank at the Edinger-Johnson place near Hood about 20 miles by river below the City of Sacramento.

Engineer's Estimate:

1723 cubic yards of broken stone.

The foregoing quantity is approximate only, being given as a basis for the comparison of bids and the Department of Public Works does not, expressly or by implication, agree that the actual amount of work will correspond therewith, but reserve the right to increase or decrease the amount as may be deemed necessary or expedient by the Division of Engineering and Irrigation.

All bids are to be compared on the basis of the engineer's estimate. Plans, forms of proposal, bonds, contracts and specifications may be obtained at the said office. No bids will be received unless it is made on blank form furnished by the Division. The special attention of prospective bidders is called to the Instructions to Bidders, annexed to the blank form of proposal with full directions as to bidding.

The Department of Public Works acting by and through the office of the Division of Engineering and Irrigation reserves the right to reject any or all bids and accept the bid deemed for the best interests of the State.

DEPUTY CHIEF OF DIVISION.
Dated Nov. 19, 1921.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on December 19th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

San Francisco and San Mateo Counties, between Sloat Boulevard and Sneath Road (IV-SF&SM-55-A), about seven and three tenths (7.3) miles in length, to be graded.

Plans may be seen and forms of proposal, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, [illegible] to be done, etc.

The Department of Public Works acting by and through the California Highway [illegible] the right to reject any or [illegible] accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE
GEO. C. MANSFIELD
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.
Dated November 21, 1921.

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on December 12th,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

San Joaquin County, between Tracy and a point ¾ miles easterly (III-SJ-5-A), about seven-tenths (0.7) miles in length, to be surfaced with asphalt concrete.

Merced County, between ¾ miles northwest of Merced and Gerard Avenue (VI-Mer-4-A & C), about two and eight-tenths (2.8) miles in length, to be surfaced with asphalt concrete.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

NOTICE TO BIDDERS ON CAFETERIA CHAIRS AND TABLES FOR THE BERKELEY HIGH SCHOOL

The Board of Education of the City of Berkeley, and of Berkeley High School District of Alameda County, State of California, invites, and the undersigned will receive at his office, 2133 Allston Way, Berkeley, California, **up to the hour of 4 p. m., Tuesday, December 13, 1921,** sealed proposals for furnishing cafeteria chairs and tables for the Berkeley High School, situated on Kittredge Street, near Grove Street, in accordance with specifications now on file at the office of the secretary of the Board of Education, 2133 Allston Way, Berkeley, California.

Envelopes containing bids must be sealed and endorsed "Bids for High School Cafeteria Chairs and Tables," [illegible] check for an amount equal to ten per cent (10%) of the amount of the bid and made payable to the Berkeley Board of Education.

[illegible] must be delivered to the Secretary of the Board of Education at [illegible] 2133 Allston Way, Berkeley, [illegible] will be opened by said High School Board of Education on Tuesday, December 13, 1921, at or after the hour [illegible]

The Board reserves the right to reject any or all bids, or any portion of [illegible]

[illegible] of Education, November [illegible]

CLYDE [illegible]
Acting Secretary of said Board of Education.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

FRESNO, Fresno Co., Cal.—Following bids received by Supervisors for constructing bridges:

E. K. Angle, Dos Palos, $28,790.

DeWard & Cobham, San Diego, $32,-790.

J. D. Webster, Modesto, $27,896.

Fredericksen & Shannon, Fresno, $31,000.

West Coast Construction Company, San Francisco, $34,387.

Noble Construction Company, Visalia, $28,496.

Pacific Coast Construction Company, Modesto, $26,484.

California Constr. Company, $28,-600. Chris. P. Jensen, County Surveyor.

OAKLAND, Cal. —Ralph Beebe has been named Harbor Engineer of the City of Oakland.

FRESNO, Fresno Co., Cal.—Until Dec. 16, 2 P. M., bids will be received by D. M. Barnwell, County Clerk, for constructing 3 bridges and 25 culverts on Centerville-Dunlap road, involving: 243 ft. concr. pipe, 12-in. to 30-in.; 172 ft. corru. metal pipe, 8 to 18-in.; 324 cu. yds. reinf. concr.; 18,900 lbs. reinf. steel; 59,319 ft. B. B. bridge lumber. Chris. P. Jensen, County Surveyor, 306 Cory Bldg., Fresno.

LOS ANGELES, Cal.—Plans and specifications for the proposed Cave Creek flood control dam to be built near Phoenix, Ariz., may be seen at the offices of A. L. Harris, consulting engineer, 1101 Central Bldg., Los Angeles. Contractors who are interested may inspect the plans and obtain information concerning the work from Mr. Harris. Bids for this project will be opened at Phoenix, Dec. 17.

TOMBSTONE, Ariz.—Until 2:30 P. M., Dec. 6, bids will be received by Supervisors of Cochise County for construction of a steel bridge across San Pedro River on the Palominas-Ash Canyon road. M. C. Hankins, Clerk of Board. Plans and specifications on file at office of County Engineer, Tombstone.

FLORENCE, Ariz.—The Indian Department announces work will be started soon on construction of proposed Sacaton bridge across the Gila River.

LOS ANGELES, Cal.—Plans are being prepared in the Los Angeles County Road Department for a concr. girder bridge, 150 ft. in length, to be built in Tejunga canyon on the Coast State Highway north of Santa Monica. The bridge will be built by the county.

YUBA CITY, Sutter Co., Cal.—Wm. M. Carruthers, John W. Kuhn and Manuel Foster, Trustees of Reclamation District No. 2,054, covering acreage along the Snake River west of Live Oak, have filed with the County Clerk plans for proposed work to be done in the district at a cost of $199,-470. Plans will also be filed with the State Reclamation Board at Sacramento.

PLACERVILLE, El Dorado Co., Cal. —Jennings & Ward, Sacramento, at $3,245 awarded contract by Supervisors for constructing concrete bridge over Weber Creek on Big Cut road. Other bidders: E. H. Martin, Oakland, $3,-570; less fill, $3,300; Arthur Lyons, Placerville, $5,554. Henry Lahiff, County Surveyor.

OAKLAND, Cal.—Council. Eugene K. Sturgis, City Clerk, has appropriated $20,000 to finance purchase of piles and lumber for use of Harbor Department for fiscal year 1921-22. Ralph Bebee, Harbor Engineer.

LOS ANGELES, Cal.—United Dredging Co., Central Bldg., was awarded contract at $37,340 on an alternate bid for dredging an area about 2000 ft. in length at site of proposed drawbridge in Cerritos channel at Los Angeles harbor and filling roadway in Badger Ave., involving about 110,000 cu. yds. earth work. The dredging will not be sufficient to make the fill. Under specifications requiring earth for fill to be taken from excavation for bridge abutments this company bid $53,995. The alternate bid is based on completing the fill from other sources. Other bids were: San Francisco Bridge Co., $83,000; P. B. Engh, constructing fill with earth from side of roadway, $38,-750; Los Angeles Dredging Co., dredging only, $33,125.

FRESNO, Fresno Co., Cal.—Until December 23, 2 P. M., bids will be received by D. M. Barnwell, County Clerk, for constructing four reinforced concrete bridges in Fowler-Laton road, involving 569 cu. yds. concrete; 47,850 lbs. reinforcing steel and 6,020 lin. ft. piling for footings.

Separate bids will be received the same date for constructing 3 reinforced concrete bridges on Fowler-Laton road involving 170 cu. yds. concrete and 13,-180 lbs. reinforcing steel. Certified check for 10% required with each bid. Chris. P. Jensen, Cory Bldg., County Surveyor.

FULLERTON, Orange Co., Cal.—Until 7 P. M., December 13, bids will be received by City Clerk F. C. Hezmalhalch for constructing a reservoir for the city water system. It will be 320x 240 ft. with excavation and embankment on 2 to 1 slope, involving about 20,000 cu. yds. earth work; slope to be covered with 4-in. concrete slab reinforced with 6x6 in. No. 6 electric welded wire mesh; depth 15 ft.; wooden roof. Cost about $60,000. Plans and specifications may be obtained at office of J. B. Lippincott, Consulting Engineer, Central Bldg., Los Angeles.

Engineers and Contractors
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IRRIGATION PROJECTS

LIVE OAK, Sutter Co., Cal.—E. W. Stanton of Live Oak has been appointed Chief Engineer for the Morrison Slough Irrigation District.

SUTTER CITY, Sutter Co., Cal.—Organization of the proposed irrigation district in the interest of Sutter City growers has been deferred for this season, following several meetings held with the heads of the Sutter-Butte Canal Company. About 2500 acres was to be brought under water through a big ditch to be dug to a point near Sutter City, where the water will be pumped to the higher lands. The present high cost of labor to place the ditches, the costly figures on pumping plant, the water rates and other items all served to discourage organization.

MODESTO, Stanislaus Co., Cal.—W. H. Webb, Modesto, at 30c lin. ft. has been awarded a contract by Modesto Irrigation District to furnish and lay 400 lin. ft. 24-in. pipe in Curtis Drain on Stafford ranch. Percy Jones, Chief Engineer for District.

TURLOCK, Stanislaus Co., Cal.—Directors of Turlock and Modesto Irrigation District (acting jointly) direct secretary to advertise for bids for fur. and del. a minimum of 50,000 barrels of cement and a maximum of 200,000 barrels to complete the Don Pedro dam project. Percy Jones is Chief Engineer for the Modesto District and R. V. Meikle for the Turlock District.

SAN FRANCISCO, Consulting Engineer E. N. Bryan, 601 Clunie Bldg., is preparing plans for improvements in the West Stanislaus Irrigation District. Two pumping plants, estimated to cost, $1,200,000 are planned, or, in lieu thereof a direct diversion by gravity system, near Firebaugh, Stanislaus County, from the San Joaquin River, to cost approximately $1,300,000. Lloyd McAulay is secretary of the district with offices at Crows Landing.

AUBURN, Placer Co., Cal.—J. A. Livingston, Placer County ranch owner, promoting scheme for formation of a new irrigation district to supply the needs of the Mt. Vernon, Mt. Pleasant and Gold Hill fruit districts. Livingston's plan, as presented to the Farm Bureau, consists of impounding of the flood waters of the Bear River, near the Reed ranch. He asserts sufficient water to supply 30,000 acres of fruit land can be obtained in this way. Livingston will present his plan to the local Farm Bureau units concerned, to ascertain if he can interest enough of them in the project to carry it through.

LIGHTING SYSTEMS

OXNARD, Ventura Co., Cal.—Until 8 P. M., Dec. 13, bids will be received by City Clerk Frank B. Pettis for constructing an ornamental lighting system in Street Lighting District No. 1, requiring 86 concr. posts. Plans and specifications on file in office of City Clerk and office of City Engineer. This is a cash job.

RENO, Nevada—City Council is planning to extend street lighting system in the business district and add 27 more street lights in the residence section. Harry Chism, City Engineer.

RAILROADS

SAN FRANCISCO.—Supervisors are considering four routes to extend Municipal Railway System into Sunset District; Duboce Ave. Route, estimated cost, $2,467,000; Eureka Valley Route, $1,900,000; Grove St. Route $1,300; Laguna Honda Route $914,000. The estimated cost in each instance includes the cost of constructing tunnel which will be required for each extension.

MACHINERY

BERKELEY, Alameda Co., Cal.—The Council, E. M. Hann, City Clerk, appropriates $2500 for constructing extensions to police and fire alarm systems. C. L. Huggins, City Engineer.

OROVILLE, Butte Co., Cal.—County Surveyor Harry H. Hume authorized to purchase a Best cruiser type tractor for County Engineering Department for $4,400, a Holt tractor to be accepted as payment of $1,500.

EUREKA, Humboldt Co., Cal.—John A. Roebling & Sons of New Jersey, have been awarded a contract by the Council to furnish 5,000 feet of copper wire, 2,015 lbs. at 16½c per lb.

CALISTOGA, Napa Co., Cal.—Until December 8 P. M., bids will be received by J. G. Finch, Town Clerk, for the purchase of one tank house and water tank. Materials may be inspected on application to clerk.

REDWOOD CITY, San Mateo Co., Cal.—Until December 9, bids will be received by Henry Steinberger, Secretary Redwood City School District, for furnishing and delivering a school bus; capacity, 25 children. Specifications may be had from the secretary.

SEATTLE, Wash. — Allis-Chalmers Co., Seattle branch, at $30,207, f. o. b. Georgetown shops, awarded contract by City Council to furnish 116 air compressors for use of Municipal Railway Department.

OAKLAND, Cal.—City Council has appropriated $1,000 for the purchase of pontoon pipe for the fiscal year 1921-1922. Geo. Mattis, City Engineer.

ANAHEIM, Orange Co., Cal.—Until 8 P. M., Dec. 8, bids will be received by City Clerk Edw. B. Merritt for 672 ft. 12-in., 11,216 ft. 10-in. and 400 ft. 6-in. Class C cast iron pipe and fittings f. o. b. Anaheim. Certified check or bond for 10%.

SACRAMENTO, Cal.—Until Dec. 8, 9 P. M., bids will be received by M. J. Desmond, City Clerk, for fur. and del. one or two street sweeping machines. **See call for bids under official proposal column in this issue.**

OAKLAND, Cal.—Until Dec. 22, 11 A. M., bids will be received by Eugene K. Sturgis, City Clerk, for fur. and del. saturated paper insulated lead covered combination cable for fire alarm purposes. Bond of $4,000 required of successful bidder. Specification on file in office of City Clerk. Geo. Mattis, City Engineer.

ORANGE, Orange Co., Cal.—Until 1 P. M., Dec. 13, bids will be received by City Clerk W. A. White for one deep well turbine pump and motor; specifications on file at office of City Clerk.

LOS BANOS, Merced Co., Cal.—Searcy D. McPhail, City Clerk, has for sale machinery, pumps, motors, engine, boiler, switchboards, tower and other appliances necessary to equip and operate a water distributing system. The equipment may be seen in operation on application to the clerk.

FULLERTON, Orange Co., Cal.—Until 7 P. M., Dec. 13, bids will be received by City Clerk F. C. Hezmalhalch for transporting about 2400 tons of cast iron pipe from Los Angeles harbor to Fullerton. Specifications may be obtained at the office of J. B. Lippincott, Consulting Engineer, Central Bldg., Los Angeles.

ANTIOCH, Contra Costa Co., Cal.—Until Dec. 12, 8 P. M., bids will be received by J. E. McElheney, Town Clerk, for drilling well in Antioch Town Park. Cert. check 10% payable to Board of Trustees required with each bid. Specifications on file in the office of the clerk.

SAN FRANCISCO.—Consulting Engineer Ray J. Barber, 950 Balfour Bldg., is taking bids for approx. 4 miles of 15-in. in diameter steel pipe to be installed by Sierra Highland Mining Company in the vicinity of Lake Hawley, Sierra County. Other improvements planned by the company will represent an expenditure of approximately $200,000.

FULLERTON, Orange Co., Cal.—Until 7 P. M., Dec. 13, bids will be received by City Clerk F. C. Hezmalhalch for 8000 ft. ¾-in., 1000 ft. 1-in. and 5000 ft. 2-in. standard screw pipe; all pipe under 2-in. to be galvanized and 2-in. pipe to be standard black dipped. Certified check or bond for 5%. J. C. Lippincott, consulting engineer, Central Bldg., Los Angeles.

OAKLAND, Cal.—Council, Eugene K. Sturgis, City Clerk, appropriates $650 to purchase one 35-H.P. motor and one reversible drum controller, etc. Geo. Mattis, City Engineer.

ELK GROVE, Sacramento Co., Cal.—Until Dec. 9, 7:30 P. M., bids will be received by S. R. Gage, clerk, Elk Grove Union High School District, for fur. and del. one 2-ton truck chassis, White or equal. Specifications may be had from clerk.

TURLOCK, Stanislaus Co., Cal.—Directors of the Modesto and Turlock Irrigation Districts, in joint session, authorize contract with S. Morgan Smith Co. of New York to fur. and del. electrical machinery for the Don Pedro dam project, bid $93,750. Manning, Maxwell & Moore, Inc., let contract to fur. and del. traveling crane for $8,516. Percy Jones, chief engineer for Modesto District and R. V. Meikle, for Turlock District.

TAFT, Kern Co., Cal.—Baughman & LaMontagne, Taft, awarded contract by Taft Union High School District to erect wireless towers and install 50-watt wireless equipment. Bid is $2,500 for equipment and $2,900 for erecting towers. Other bids were: Kern Valley Electric Co., Bakersfield, equipment $1,985, towers $4,000; Taft Electric Co., $2466 equipment only; Currie & Dulgar Bakersfield, $3,400 towers only; United Electric Co., Taft, $2,575 equipment only; Western Iron Works San Francisco, $4,694, towers only; Linsay Winser, $2,135, equipment only. Plans were prepared by Architect Orville L. Clark Brower Bldg., Bakersfield.

LOS ANGELES, Cal.—Until 3 p. m., Dec. 6, bids will be received by Board of Public Service, 207 S. Broadway, for 30 tons of lead for caulking cast iron pipe; Specification 581-I. Jas. P. Vroman, Secretary.

EUREKA, Humboldt Co., Cal.—Westinghouse Electric & Manufacturing Co., at $5,721, awarded contract by Council for fur. and del. one rotary converter for use of Eureka Street Railway System. Bid is f. o. b. Eureka. General Electric Co. bid $5,727.80. Harry H. Hannah, City Engineer.

ALAMEDA, Alameda Co., Cal.—Until Dec. 20 bids will be received by City Manager Clifton E. Hickok for constructing municipal garbage incinerator; estimated cost, $50,000. Plans on file in office of City Clerk.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

FRESNO, Fresno Co., Cal.—T. A. Hanrahan, at approximately $18,681 a mile, has been awarded a contract for Whites' bridge avenue unit of the county highway system, 8.04 miles in length, Type A specifications. Four bids were submitted as follows:

Specification 3, type A, non patented construction.

T. A. Hanrahan, earthwork 0.50; paving .2121; culvert, $600.

California Construction Co., earthwork $1.25; paving .2148; culverts, $1,035.

A. Teichert, earthwork, $1.50; paving, $252; culverts, $790.

Engineer's estimate, earthwork, $1.45; paving, .2148; culverts, $1,035.

Specification No. 4, Warrenite top.

Warren Constr. Co., earthwork, .85; paving, .217; culverts, $935.

A. Teichert, earthwork, $1.50; paving, .252; culverts, $790.

Chris. P. Jensen, County Surveyor.

BAKERSFIELD, Kern Co., Cal.—Council, V. Van Riper, City Clerk, declares intention to improve portions of A, B, E, F, G streets and two alleys by grading, concrete curbs, gutters and sidewalks, paving with 3½-in. asphalt concrete base with 1½-in. Warrenite-Bitulithic wearing surface and constructing 6-in. vitrified sewer in alleys of blocks 237, 238 and 239; Street Improvement District No. 76, Improvement Act 1911. Protests will be heard December 12.

Council declares intention to improve Kentucky St. between Baker and Union streets by grading, concrete gutters, 12-in. vitrified storm sewer, culverts and manholes, paving with 3½-in. asphalt concrete base with 1½-in. Warrenite-Bitulithic wearing surface. Street Improvement District No. 80, Improvement Act 1911. Protests will be heard December 12.

Council declares intention to construct 8 and 6-in. vitrified sewers, [illegible] in Sewer District No. [illegible] Improvement Act 1911. Protests heard [illegible] 12. R. H. Hubbard, City Engineer.

CALIFORNIA.—Following bids received by State Highway Commission Nov. 28:

For 8.4 miles in Santa Barbara County, bet. 2½ miles east of Naples and Canada de las Llagas and bet. Los Chiqueros creek and Gaviota creek, to be paved with concrete shoulders and asphalt concrete wearing surface, involving 5225 cu. yds. Class "A" cement concrete (shoulders and repairs to old base); 425 cu. yds. removal of broken concrete in existing base; 11,000 tons asph. concrete surface; 8.41 miles grading earth shoulders, commission to furnish reinforcing steel, cement, sand and coarse aggregate for concrete, and broken stone, sand, stone dust and asphaltic dust and asphaltic cement for asphalt concrete.

Fairchild-Gilmore-Wilton Co., Los Angeles	$121,556.00
Southwest Paving, L. A.	92,884.25
Clark & Henery Const. Co., Stockton	159,457.50
Warren Constr. Co., Portland	99,985.40
F. R. Ritchie, S. F.	113,692.50
Hunter & Richardson, Santa Barbara	145,207.50
Engineers' estimate	116,204.63

For 2.3 miles in Fresno County bet. Fresno and a point 2.3 miles northwest to be surfaced with asphalt concr., involving 4320 tons asphalt concr. surface; 2.27 miles grading earth shoulders, commission to furnish broken stone, sand, stone dust and asph. cement for asph. concr.

Federal Const. Co., S. F.	$23,943.80
Thompson Bros., Fresno	27,783.50
Engineer's estimate	24,406.45

SAN JOSE, Santa Clara Co., Cal.—Council, John J. Lyneh, City Clerk, declares intention to improve north one-half of Santa Clara St., between 26th and 27th Sts., except where already improved, by regrading, paving with 4-in. concrete base with 1½-in. asphalt concrete wearing surface, concrete gutters and box culvert. Improvement Bond Act 1915. Wm. Popp, City Engineer.

EUREKA, Humboldt Co., Cal.—Until Dec. 13, 2 P. M., bids will be received by Fred M. Kay, County Clerk, for constructing 3.88 miles of wagon road from Samoa north along the peninsula toward Arcata, in Road Districts Nos. 4 and 5. A. J. Logan, County Surveyor.

EL MONTE, Los Angeles Co., Cal.—City Engineer O. A. Gierlich has prepared preliminary plans for improvement of streets north of Main street and proceedings will be started at the next meeting of the city trustees.

BAKERSFIELD, Kern Co., Cal.—Until December 12, 5 P. M., bids will be received by V. Van Riper, City Clerk, for constructing 6-in. vitrified sewer in alley in Blocks 104, 105 and 106, from a point 17.75 ft. west of Owens street; east 960 ft., 1 manhole, 1 amphole and wyes. Sewer District Improvement No. 47. Improvement Act 1911. R. H. Hubbard, City Engineer.

TUCSON, Ariz.—Geo. R. Singleton of Tucson, submitted lowest bid at $18,459.20 for constructing a sewer in the Speedway and Olive road. S. E. Snumway bid $22,002.50 and Claude Fisher bid $37,875.42.

POMONA, Los Angeles Co., Cal.—County Engineering Department of Orange County estimates cost of opening W. Second St. at $76,248.77, of which $45,780 is for constructing highway and $30,468.77 is for overhead crossing over Salt Lake and Southern Pacific railway tracks. The county is willing to pay cost of highway if the railway companies will pay cost of overhead crossings.

LOS Angeles, Cal.—Geo. R. Curtis, 2440 E. 26th St., was awarded the contract at $47,362.20 for paving College Ave. from Vernon and Downey road to Gallatin with asphaltic concrete.

FILLMORE, Ventura Co., Cal.—The Chamber of Commerce has decided to urge the paving of Central Ave., Sespe and Main Sts. at a cost not to exceed $20,000.

TUCSON, Ariz. — Borderland Construction Co. of Tucson submitted low bid at $53,630 for grading streets and constructing curb and sidewalks and laying water mains in University Manor add. Claude Fisher of Phoenix only other bidder at $58,560.

SEATTLE, Wash. — Olympic Construction Co., 1326 Northlake Ave., at $324,604 (using either clay or concrete pipe) submits low bids to City Council for improving Elliott Ave. The bid is $4,604 over estimate of City Engineer. Ten bids were submitted.

Scalzo & Co., 1708 22nd Ave. South, submits low bid for constructing trunk and lateral sewer system in 53rd Ave. S. W. Bid, concrete pipe, $95,077; clay pipe, $95,612.

LOS ANGELES, Cal.—The City Attorney has ruled that bids for the De la Sacatella storm sewer, a $2,500,000 project, must be taken for the work as a unit. The Board of Public Works desires to let the work in sections but the City Attorney held this could not be legally done.

SACRAMENTO, Cal.—Clark & Henery Construction Co., Ochsner Bldg., awarded contract by Council for improving 9th Ave. bet. 33rd and 35th Sts., const. concr. curbs and gutters; 8-in. C. I. gutter drains connected to sewer with 6-in. vit. pipe; resetting 2 gutter drains, const. 1 concr. manhole and reconst. 2; grading and paving with 5½-in. asph. concr.

Clark & Henery also awarded contract for improving Y St. bet. Sacramento Blvd. and 34th St., const. concr. curbs and gutters, placing 4 C. I. gutter drains connected to sewer with 6-in. vit. pipe; 1 concr. manhole; 8-in. vit. pipe sewer, grading and paving with 5½-in. asph. concr., and 32nd St. from Y to manhole at Y and X Sts., by const., 8-in. vit. pipe sewer. Albert Givan, City Engineer.

SAN LUIS OBISPO, Cal.—County Surveyor Warren Burch completes specifications and bids will be asked shortly for constructing cement sidewalks, 4-in. thick, 5-ft. wide, in portions of Main and Fifth Sts., Town of Morro, Road Imp. Dist. No. 2; estimated cost, $3,500.

Specifications also completed and bids will be asked shortly for constructing concr. comb. curbs and gutters in portions of 3rd, 4th, 5th, 6th, 7th Sts., town of Morro, Road Imp. Dist. No. 3; estimated cost, $35,000.

SANTA ROSA, Sonoma Co., Cal.—County Surveyor R. Press Smith has been instructed to prepare plans for a road between Guerneville and Monte Rio; also for Section B of the Guerneville-Jenner highway, estimated cost, $40,000. W. W. Felt Jr., County Clerk.

SACRAMENTO, Cal.—J. W. Terrell, 1111 29th St., Sacramento, has been awarded a contract by the Council for improving Santa Ynez Way from manhole in place between N street and Folsom Blvd., to a point 148.5 ft. north of center line of N St., by constructing vitrified pipe sewer, 1 concrete manhole; improving 3-ft. easement adjoining lots 25 to 29, inclusive, in Crescent Park by constructing vitrified pipe sewer with 7 6-in. vitrified wyes, 1 6-in. vitrified flusher branch, 1 concrete manhole; improving easement adjoining lots 20 to 24 of Crescent Park by constructing vitrified pipe sewer, 10 6-in. vitrified wyes, 1 6-in. vitrified flusher branch. Albert Givan, City Engineer.

SAN LUIS OBISPO, Cal.—County Surveyor Warren Burch preparing plans for grading 13¾ miles of Arroyo Grande-Huasna road and bids will probably be called in January. Bids for surfacing the road (with a type of surfacing yet to be selected) will be called when grading is completed.

REDWOOD CITY, San Mateo Co., Cal.—City Trustees are planning the installation of new and larger water mains to better fire protection. First unit of work will involve an expenditure of approximately $15,000. Work will be under the supervison of Edward Dearborn, Street Superintendent. C. L. Dimmitt, City Engineer.

OAKLAND, Cal.—George Mattis, City Engineer, completes specifications for constructing 785 lin. ft. 8-in. sewer, 2 lampholes and 39 wye branches in Montgomery St., from Mather St., northeasterly.

VALLEJO, Solano Co., Cal.—Council, Alf. E. Edgecumbe, City Clerk, declares intention to construct 6-ft. wide, 4-in. thick cement sidewalks in portions of Main and Pennsylvania Sts., fronting property totaling 1100 ft. Imp. Act 1911. Protests Dec. 19. T. D. Kilkenmy, City Engineer.

SAN LEANDRO, Alameda Co., Cal.—Town Trustees, J. J. Gill, Clerk, declared intention to construct 5-ft. wide cement sidewalks in East 14th St., from Williams to southeast boundary line of city. Improvement Act 1911. Protests December 12. R. H. Goodwin, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—Until Dec. 16, 12 M., (to be opened 1:30 P. M.), bids will be received by W. W. Felt, Jr., County Clerk, for constructing approx. 8,000 SBM R. W. box flume, involving 7,000 lin. ft. standard R. W. guard rail and 36 lin. ft. corrugated iron culvert, on Sebastopol-Forestville unit of County Highway system. Estimated cost, $1,300. R. Press Smith, County Surveyor.

SANTA ROSA, Sonoma Co., Cal.—County Surveyor R. Press Smith completes specifications for right-of-way fence through Chisholm ranch, approximately 6,810 ft. long. Bids are being taken for construction by the Supervisors. W. W. Felt, Jr., County Clerk.

QUINCY, Plumas Co., Cal.—Quincy Water Works, Mattie L. Goodwin and Grace Webb, owners, instructed by State Railroad Commission to install before April 1, next, pipe lines of sufficient capacity to give adequate service to consumers. The commission holds that it is without jurisdiction to require the utility to construct a reservoir of 500,000-gallon capacity for fire protection as asked by the Quincy Fire District.

BERKELEY, Alameda Co., Cal.—Until Dec. 13, 10 A. M., bids will be received by E. M. Hann, City Clerk, for constructing 6-in. vit. pipe sewer in portions of San Antonio Ave., including construction of manholes. Imp. Act 1911. C. L. Huggins, City Engineer.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., submitted lowest bid to Board of Public Works Nov. 28 at about $40,409.75, involving 106,770 sq. ft. grading at 4c ft.; 106,770 sq. ft. 6-in. concr. paving at 26c ft.; 716 ft. curb at 75c ft.; 8119 sq. ft. sidewalk at 25c ft.; sanitary sewer manhole at $300; 656 ft. house connection sewers at $2 ft.; monolithic concr. storm sewer at $3000 and concr. pipe sewer at $1200. Geo. R. Curtis submitted only other bid at about $41,935.90, his unit prices being 4c for grading, 27c for paving, 65c for curb, 20c for walk, $200 for manhole, $1.75 for house connection sewers, $3200 for monolithic sewer and $1300 for pipe sewer.
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OAKLAND, Cal.—M. Bau, Oakland, awarded contract by Council to sewer portions of 22nd Ave.; 8-in. vit. sewer, $2.25 lin. ft.; brick manholes, $175; vit. pipe lampholes, $25; wye branches, $1. Geo. Mattis, City Engineer.

SAN BERNARDINO, Cal.—Until 7:30 P. M., Dec. 12, bids will be received by City Clerk J. H. Osborn for constructing 8-in. vit. pipe sewer with 3 manholes, 1 flush tank, 1 flush tank to be converted into manhole and 116 4-in. connecting sewers in Base Line St. bet. I St. and Mt. Vernon Ave.; 1911 Act.

CALIFORNIA.—As previously noted, bids will be received by State Highway Commission, Forum Bldg., Sacramento, until Dec. 12, 2 P. M., for surfacing with asph. concr. 0.7 miles of highway in San Joaquin County bet. Tracy and a point ¾ mile easterly. Involves 900 tons asph. concr. surface.

Bids will be considered on same date for surfacing with asph. concr. 2.8 miles of highway in Merced County bet. ¾ mile northwest of Merced and Gerard Ave., involving approx. 3,340 tons asph. concr. surface. Commission will furnish broken stone, sand, stone dust and asph. cement. Austin B. Fletcher, Highway Engineer.

HILLSBOROUGH, San Mateo Co., Cal.—Bids will be received until December 17, 1921, at 10 o'clock A. M., by the Hillsborough School District for the construction of one or two tennis courts on the lot of the Hillsborough District School. For further particulars see official proposal in this issue.

VALLEJO, Solano Co., Cal.—Council, Alf. E. Edgcumbe, City Clerk, declares intention (Res. No. 75) to construct concrete sidewalks in portions of Arkansas, Illinois, Tennessee, Florida, Capitol, York, Grant Sts., etc., etc. Work under Imp. Act 1911. Protests Dec. 19. T. D. Kilkenny, City Engineer.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications for improving Louisburg St. bet. Niagara and Geneva Aves.; estimated cost, $5,000. Project involves 898 lin. ft. concr. curbs and 13,470 sq. ft. asph. concr. pavement.

SAN FRANCISCO.—C. B. Eaton, 407 11th St., at $788 submits only bid to Board of Public Works for improving Ellert St. bet. Bennington St. and Andover, involving 1,476 sq. ft. asph concr. pavement and 99 lin. ft. concr. curb. M. M. O'Shaughnessy, City Engineer.

SAN FRANCISCO.—Point Lobos Improvement Club appoints committee to assist City Engineer in the project to improve Lake St. and avenues running north of Lake St. into Mountain View Park. It is proposed to ask each property owner to contribute $1 per front foot of his property toward the extra expense to be incurred in carrying out the parking plan.

WALLA WALLA, Wash.—Until Dec. 24, bids will be received by City Council for installing approx. 4 miles of water pipe to connect proposed reservoir with city distributing system

SAN FRANCISCO.—Until Dec. 12, 3 P. M., bids will be received by J. S. Dunnigan, Clerk, Board of Supervisors, 235 City Hall, for furnishing the city with lumber and millwork, street and sewer material required for the three month period ending March 31, 1922. Blanks for bidding will be furnished on application to the Clerk of the Board.

EUREKA, Humboldt Co., Cal.—A. Walter Kildale, City Clerk, instructed to advertise for bids for furnishing and delivering gravel for street improvements. Harry H. Hannah, City Engineer.

WHITTIER, Los Angeles Co., Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., Los Angeles, awarded contract at about $84,908.49 for paving Hadley St. bet. Alta Ave. and southwest city limits with 6-in. concr. and the contract at about $8992.01 for paving Franklin St. bet. Painter Ave. and the east city limits with 5-in. concr. Project involves: Hadley St.: Fairchild-Gilmore-Wilton Co., 340,985 sq. ft. 6-in. concr. paving, 340,985 sq. ft. grading, 8076 ft. curb, 4998 sq. ft. sidewalk, 1 catch basin.

FRESNO, Fresno Co., Cal.—Until Dec. 23, 2 P. M., bids will be received by D. M. Barnwell, County Clerk, for constructing 4.3 miles, 16 ft. wide, of the Fowler-Laton road (alternative specifications), involving: Specification No. 1, 8,600 cu. yds. earthwork, 5,530 cu. yds. 5-in. concr. base, 360,920 sq. ft. 1½-in. asph. top, Type A; 12 culverts. Specification No. 2, same as No. 1, except Warrenite top. Specification No. 3, 8600 cu. yds. earthwork, 360,920 sq. ft. asph. concr. pavement, 5-in. (Type A top), 12 culverts. Specification No. 4, same as No. 3, except Warrenite top.

Separate bids, same date, constructing 3.6 miles, 16 ft. wide, Sanger-Centerville road, involving: Specification No. 1, 5,300 cu. yds. earthwork, 314,995 sq. ft. asph. concr. pavement 5 in. thick, Type A top. Specification No. 2, same as No. 1, except Warrenite top.

Separate bids, same date, for constructing 4.1 miles of macadam highway, Centerville-Dunlap road, 16 ft. wide, involving: 8050 cu. yds. earthwork and 10,600 tons gravel. Certified check 10% required with each bid. Chris. P. Jensen, 306 Cory Bldg., County Surveyor.

SANTA ANA, Orange Co., Cal.—B. R. Ford, Santa Ana, was awarded contract for constructing a vit. pipe sewer in Greenleaf Ave. and other streets, involving 2485 ft. 8-in. pipe at 80c ft.; 2820 ft. 6-in. pipe at 70 c ft.; 5 manholes at $100 each; 2 flush tanks at $110 each and 2 lampholes at $15 each. Ten other bids were received.

SANTA ANA, Orange Co., Cal.—W. O. Potter, Long Beach, submitted lowest bid at $31,118.67 for widening Garden Grove Ave. west of Garden Grove, Sec. 1.2 mi. from 16 to 18 ft. and building up 4-in. concr. base to 6-in. Other bids were: Graham Bros. & Bruce, Long Beach, $32,112.03; Wells & Brewster, Santa Ana, 18 ft. Road, $32,482.15; H. Clay Kellogg, $32,832.97; Riley & Peterson San Diego, $34,151.58; Baisch Bros., Los Angeles, $42,222.62. The bids of W. O. Potter and Graham Bros. & Bruce were taken under advisement until Dec. 6; other bids rejected.

OAKLAND, Cal.—Council, Eugene K. Sturgis, City Clerk, declares intention to construct 6-ft. wide cement sidewalks, where not already, in south side of Hopkins St. bet. Sheffield St. and Sausal creek. Geo. Mattis, City Engineer.

FRESNO, Fresno Co., Cal.—Council, R. Y. St. George, City Clerk, declares intention to improve Wilson St. bet. McKinley and Olive Aves., grading, concr. curbs, gutters and sidewalks, corru. culvert, paving with 3½-in. asph. concr. base with 1½-in. Warrenite-Bitulithic surface. Imp. Act 1911. Protests Dec. 22. Wm. Stranahan, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Until Dec. 12, 5 P. M., (to be opened Dec. 13, 9:30 A. M.) bids will be received by S. A. Evans, City Clerk, for constructing 6-in. vitrified sewer in portions of Cedar street, with 22 4-in. wyes. James K. James, City Engineer.

SANTA ANA, Orange Co., Cal.—T. W. Oglesby, Santa Ana, awarded contract at about $38,872.50 for paving N. and S. Fowler St. and part of First St. with 5-in. cement concrete base and 1½-in. asphaltic concrete surface, involving 204,900 sq. ft. regrading and paving at 28c ft.; 435 ft. curb at 50c ft.; 1060 ft. house connection sewers at 90c ft.; 310 ft. 6-in. sewer at 90c ft. and 1 flush tank at $55.

BERKELEY, Alameda Co., Cal. —F. E. Nelson, 3090 King St., Berkeley, at $4,990 awarded contract by the Board of Education for constructing sidewalks at high school building. Other bidders: Barrett & Hilp, $5,117; I. M. Sommer & Co., $5,557, and T. E. Clinch, $5,400.

OAKDALE, Stanislaus Co., Cal.—H. D. Watts, engineer, of Modesto, has been selected by the City Trustees to act as consulting engineer on the proposed paving project to be undertaken in the near future. George D. Macomber is city engineer.

EUREKA, Humboldt Co., Cal.—City Engineer Harry H. Hannah has been instructed to prepare specifications for straightening of Wabash Ave., bet. C and Lowell streets.

SPOKANE, Wash.—Miracle Concrete Corporation, Great Falls, Montana, at $318,000 submits low bid for constructing sewer system in business district. Other bidders were: James C. Broad, Spokane, $327,965; James F. Shea, Portland, $335,460; Chas. H. Helmer, Boise, Idaho $337,000; D. G. Munro and S. G. Morin, Spokane, $354,300.

SAN FERNANDO, Los Angeles Co., Cal.—Geo. R. Curtis, 2440 E. 26th St., Los Angeles, was awarded a contract at $21,845.30 for improving Porter Ave., about 880 lin. ft., involving about 38,[illegible] sq. ft. 5-in. Wilite pavement at [illegible] sum of $15,000, culverts at lump sum of $1300, ornamental lighting system at lump sum of $2500, sidewalk at [illegible] sq. ft. and curb at 75c lin. ft. Bryant & Austin, Inc., bid $22,550.33 and Fairchild-Gilmore-Wilton Co. bid $[illegible].

CALIFORNIA.—J. P. Holland, 540 Brannan St., San Francisco, at $170,[illegible] has been awarded a contract by the State Highway Commission for grading [illegible] of highway in Mendocino County between Elvan Creek and the [illegible] of Navarro River, involving [illegible] cu. yds. excavation without

classification: 450 cu. yds. Class "A" Portland cement concrete, (culverts and monuments; 1712 lin. ft. 12", 994 lin. ft. 15", 260 lin. ft. 18" and 692 lin. ft. 24" corrugated metal pipe; 800 lin. ft. 6" tile drain; 0.3 mile moving and resetting property fences; 436 monuments. Commission will furnish reinforced steel, pipe and cement.

FRESNO, Fresno Co., Cal.—Until Dec. 22, 3:30 P. M., bids will be received by R. Y. St. George, City Clerk, for improving Roosevelt Ave. bet. Pine and Olive Aves. by grading, concr. curbs and sidewalks, reinf. concr. culverts, paving with 5-in. concrete. Imp. Act 1911.

Separate bids, same date, for improving Roosevelt Ave. bet. Belmont and Olive Aves., grading, concr. curbs and sidewalks, reinf. concr. culvert, paving with 5-in. concrete. Imp. Act 1911. Cert. check 10% payable to city. Wm. Stranahan, City Engineer.

VISALIA, Tulare Co., Cal.—Frederickson & Shannon, Cory Bldg., Fresno, at $9,566.81 have been awarded a contract by the Supervisors for constructing Kingsburg south division, a distance of 0.9 mile; involving 1228.29 cu. yds. Class A concrete and 2700 cu. yds. excavation.

Pacific Coast Constr. Co., San Francisco, has been awarded a contract at $31,080.70 for constructing Naranjo-Lemon Cove highway, a distance of 2.84 miles, involving 3471.84 cu .yds. Class A concrete and 9750 cu. yds. excavation, unclassified yardage.

Laurence Moye, County Surveyor.

PHOENIX, Arizona.—White & Miller, 1623 W. Washington St., Phoenix, awarded contract for improving 7th St., involving 21,082.19 sq. yds. paving at $2.70 yd.; 21,082.19 sq yds grading at 33c yd. 9963.08 lin. ft. combined cem. curb and gutter at $1.50 ft.; 918.05 ft. curb at $1 ft; 382 lin ft gutter at $1 ft.; 945.22 lin. ft. valley gutter at $1.50 ft. and minor items, including concr. and vit. pipe culverts, storm water manholes, gutter inlets and sheet iron irrigating gates

MODESTO, Stanislaus Co., Cal.—Until Dec. 14, 7:30 P. M., bids will be received by L. A. Love, City Clerk, for constructing storm sewer in 9th St. bet. K and P Sts. Segregated bids will be taken as follows: (1) For constructing sewer; (2) for furnishing pipe for sewer; (3) laying pipe to be furnished by city; (4) for furnishing and laying pipe; (5) construction of trenches and laying pipe. Bids may be submitted on all or any proposition. Geo. Freitas, City Engineer.

PETALUMA, Sonoma Co., Cal.—A petition has been filed with the County Supervisors seeking the formation of the Petaluma Municipal Water District. December 16th is the date set to have a formal hearing. Following the hearing a date will be set to decide on the formation of the district, following which, should it be favorable, a bond election will be held to raise the necessary funds to finance the project.

MODESTO, Stanislaus Co., Cal.—Council, L. A. Love, City Clerk, declares intention to improve 6th St. bet. "T" and "K" Sts. by grading, paving with 4-in. concr. base with 1½-in. Warrenite-Bitulithic wearing surface, concr. curbs and gutters. Imp. Act 1911. Protests will be heard Dec. 28. Geo. Freitas, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—County Surveyor R. Press Smith is completing surveys for Jenner to Mendocino county unit of county highway system, approximately 35 miles of grading; estimated cost, $140,000. Bids will probably be asked in February, 1922.

Bids will be asked by the county supervisors in January for steam shovel grading approximately 2 miles of the Pocket Canyon road in the Fifth District; estimated cost, $20,000. Work will be financed through direct tax.

Bids will be asked by the Supervisors in the immediate future for grading approximately 3 miles of the Guerneville Jenner Highway, Section B; estimated cost, $40,000.

Bids for constructing Valley Ford-Freestone road at Guerneville-Jenner highway, approximately 19 miles of grading, will be asked by the Supervisors about March, 1922; estimated cost, $75,000.

CALIFORNIA—Southwest Paving Co., Washington Bldg., Los Angeles, at $92,884.25 has been awarded a contract by the State Highway Commission for 8.4 miles of highway in Santa Barbara County, between 2½ miles of Naples and Canada de las Llagas and between Los Chiqueros creek and Gaviota creek, by paving with concrete shoulders and asphaltic concrete wearing surface, involving 5225 cu. yds. Class A concrete (shoulders and repairs to old base); 425 cu. yds. removal of broken concrete in existing base; 11,000 tons asphaltic concrete surface; 8.41 grading earth shoulders. Commission is to furnish reinforcing steel, cement, sand and coarse aggregate for concrete, and broken stone, sand, stone dust and asphaltic dust and asphaltic cement for asphalt concrete.

Federal Construction Co., Call Bldg., San Francisco, at $23,943.80 awarded contract for 2.3 miles in Fresno County between Fresno and a point 2.3 miles northwest to be surfaced with asphalt concrete, involving 4320 tons asphalt concrete surface; 2.27 miles grading earth shoulders, commission to furnish broken stone, sand, stone dust and asphaltic cement for asphalt concrete.

FRESNO, Fresno Co., Cal.—Council has decided to pave the following streets under 1915 bond act: McKinley from Lucerne to the city limits; Carmen from Lucerne to Wishon; Home from Lucerne to Van Ness; Pine from Lucerne to Wishon; Floradora from Lucerne to Wishon; Linden from Olive to McKinley; Lucerne and Echo from Olive to McKinley and Lucerne and Olive to Floradora.

Council has approved plans for sewers in Kearny Boulevard Heights and has ordered plans prepared for improving Calaveras street, between H and Divisadero streets, with 5-in. Warrenite paving. Wm. Stranahan, City Engineer.

BUSINESS OPPORTUNITIES

Harry Caltoft, Brookings, Ore., desires to get in touch with San Francisco lumber firms dealing in California laurel.

Frank Parker Sr., 323 East Magnolia street, Stockton, Cal., is in the market for dairy, hotel, restaurant and kitchen utensils and supplies.

Geo. Ericsson, 107 Nash St., Bridgeport, Conn., wishes to communicate with painting and decorating firms in this city.

A. S. Campbell Co., 161 Prescott St., East Boston 28, Mass., would like to arrange for a representative to handle the sale of metal Cello products in this market.

R. G. Gibson, care of Madoc, Fort Worth, Tex., desires to represent San Francisco manufacturers or wholesalers in a sales capacity in that territory.

Harry D. Eiltman, 2931 Holmes St., Kansas City, Mo., desires to get in touch with producers of magnesite in California.

Robert Joy, Auburn, Cal., wishes to get in touch with manufacturers of portable houses.

Slocum & Co., 321 Broadway, New York City, are seeking a market for calking cotton, such as is used in shipbuilding.

John Miles, R. 3, box 101, El Centro, Cal., is in the market for canning machinery, including a huller for peas.

Paul Wissmach Glass Co., 1256 Monadnock Bldg., Chicago, desires to communicate with San Francisco dealers in plate and window glass.

Scanlan & Hayes Piston Ring Co., 3001 La Salle St., St. Louis, Mo., would like to arrange for a representative to act in a sales capacity in this territory.

Youmans & Webber, 130 East Ortega St., Santa Barbara, wishes to get in touch with wholesale dealers in household articles and kitchen equipment in this city.

Ordinator Co., 229 East 41st St., New York City, would like to get in communication with San Francisco dealers in window shades.

Stettler Meat Co., Stettler, Alberta is in the market for refrigerating equipment.

W. L. Ridgway, 406 Citizens Bank Bldg., Columbus, Ohio, wishes to arrange with a San Francisco firm to take over the manufacturing and sale of steel casement windows for this territory.

W. Nelson, 2119 O St., N. W., Washington, D. C., desires to get in touch with manufacturers of imitation glass wind shields for motor cars.

DAILY
PACIFIC BUILDER

The only daily newspaper in the West whose columns are devoted exclusively to Building News. Covers San Francisco and Bay Counties. $1.25 per month, payable in advance. Send for sample copy.

560 MISSION STREET SAN FRANCISCO, CAL.

Contracts Awarded Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2836	Reilly	Owner	500
2837	Hawaiian	Taylor	1900
2838	Symon	Malloch	12000
2839	Puccinetti	Polati	500
2840	Voorhies	Owner	12000
2841	Perish	Jensen	700
2842	Bean	Bean	4200
2843	Zeller	Barrett	750
2844	Harrison	Kronnick	2500
2845	Hadeler	Munster	[illegible]
2846	McDonough	Owner	8000
2847	Covel	Owner	900
2848	Aronson	Michel	7350
2849	Same	Rapheld	1792
2850	Jacobowski	Hoin	9900
2851	Gerstbacher	Boe	5265
2852	Cahn	Morris	9000
2853	Lefhovitz	Morris	10500
2854	O'Niel	Goodwin	600
2855	Simon	Hoyt	65000
2856	Lowe	Coburn	500
2857	Allen	Owner	20000
2858	Jacobowski	Hoin	9900
2859	Peterson	Owner	6500
2860	Monete	Moneta	7000
2861	Delucchi	Owner	700
2862	Aurbough	Owner	500
2863	Boss	Owner	22500
2864	Wagstaff	Zinkand	6920
2865	Donigan	McCarthy	2000
2866	Williams	Franocchia	3150
2867	Standard	Owner	1000
2868	Cohn	Soules	3000
2869	Moscone	Carauzi	2500
2870	Mizzaro	Sorbi	2875
2871	Morgan	Owner	20000
2872	Standard	Owner	1000
2873	Serpo	Owner	1400
2874	Anderle	Owner	1000
2875	Bothin	Arras	31000
2876	Silverman	Sockolov	950
2877	Elliot	Steiger	650
2878	Gerard	Owner	500
2879	Moyer	Owner	750
2880	Aronson	Richardson	5922
2881	Remensperger	Lawson	13044
2882	Same	Shenehan	443
2883	Same	Schwartz	515
2884	Dwyer	Owner	800
2885	Iso	Owner	900
2886	Smith	Moran	10000
2887	Brazil	Hannah	1000
2888	Colander	Crowley	650
2889	Rednall	Owner	16000
2890	Same	Same	12000
2891	Hill	Owner	900
2892	Standard	Owner	1000
2893	Same	Same	1000
2894	Same	Same	1000
2985	Same	Same	1000
2896	Lear	Leigh	5000
2897	California	Taylor	23912
2898	Hind	Hind	6000
2899	Torre	Knittle	4711
2900	Wiedeman	Carlson	8860
2901	Merritt	Prout	12000
2902	Cirimele	Nonce	600
2903	Eppstein	Britt	500
2904	Gullmes	Owner	2500
2905	Chiapella	Owner	950
2906	West	Owner	800
2907	Leighton	Little	1000
2908	Creighton	Jackson	6000
2909	Cerruti	Owner	1500
2910	Schaadt	Owner	2000
2911	Feerick	Owner	8000

PERMITS

REPAIRS

(2836) NE COLLINGWOOD & 22ND Sts. Repair fire damage to dwelling.
Owner—P. F. Reilly, No. 2857 Howard Street.
Architect—None.
Day's work. $500

REPAIRS

(2837) E DAVIDSON 150 N Lane. Repair fire damage for warehouse.
Owner—Hawaiian Fertilizer Co., No. 256 California St.
Architect—None.
Contractor—Taylor and Goericke, No. 220 Sharon Bldg. $1900

FLATS

(2838) NW DIVISADERO AND WALLER and N Waller 55 W Divisadero. Two 2-story and basement frame (4 in each) flats.
Owner—George Symon, 11th and Market Sts.
Architect—None.
Contractor—J. S. Malloch, No. 180 Jessie St. $6000 ea.

GARAGE

(2839) SW GREENWICH & LAGUNA Sts. One-story frame (private) garage.
Owner—H. Puccimetti, No. 3097 Laguna Street.
Architect—None.
Contractor—G. Polati, No. 2229 Union Street. $500

FLATS

(2840) W 14TH AVE 168 & 192 S Anza. Two 2-story and basement frame (2 in each) flats.
Owner—Voorhies-Newman Co., No. 180 Jessie St.
Architect—Wm. Gunnison, No. 1666 Golden Gate Ave.
Day's work. Cost, $6000 each

PLASTERING, ETC.

(2841) NO 2589 MISSION ST. Plastering; fixtures, etc., for restaurant.
Owner—M. M. Perish, No. 2589 Mission Street.
Architect—None.
Contractor—James Jemsen, No. 550 Valencia St. $700

RESIDENCE

(2842) N MONTECITO 105 E Monterey Ave. One-story and basement frame residence.
Owner—Mrs. Mary L. Bean, No. 4241 22nd St.
Architect—Ida F. McCain, No. 318 Kearny St.
Contractor—Clarence Bean, No. 4241 22nd St. $4200

ROOF

(2843) E MISSION 150 N 19th. Construct wood roof over storage rooms.
Owner—Mr. Zeller, No. 235 Post St.
Architect—None.
Contractor—Barrett and Hilp, No. 918 Harrison St. $750

REMODEL, ETC.

(2844) NO 1200 VAN NESS AVE. Construct galvanized iron around 4 show windows; repair marquise and install new marquise.
Owner—H. O. Harrison Co., No. 1200 Van Ness Ave.
Architect—J. R. Miller, No. 213 Lick Bldg.
Contractor—Kronnick Bros., No. 1659 O'Farrell St. $2500

RESIDENCE

(2845) NW MISSION ROAD AND Farragut. One-story and basement frame residence.
Owner—Claus Hadeler, 2294 Mission St., San Francisco.
Architect—None.
Contractor—Munster & Bornholdt, 1530 Broderick St., S. F. $4000

FRAME FLATS

(2846) N FULTON 81-8 E Ninth Ave. Two-story and basement frame (2) flats.
Owner—M. McDonough, 22 Fairmount St., San Francisco.
Architect—None.
Day's work. $8000

ADDITION

(2847) NO 3545 MISSION. Two-room addition to residence; concrete foundation, etc.
Owner—S. Covel, 2208 15th St., S. F.
Architect—None.
Day's work. $900

RECORDED

ELEVATOR ENCLOSURES

(2848) NE NEW MONTGOMERY AND Mission. Elevator enclosures for Crossley Building.
Owner—A. Aronson, L. Metzger and L. Schoenberg.
Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.
Contractor—Michel & Pfeffer Iron Wks 1415 Harrison St., San Francisco.
Filed Nov. 25, '21. Dated Nov. 21, '21.
Elevator backs in ..... $ 450.00
Main stairs in..... 2659.00
Rear stairs in..... 1170.00
Side stairs in..... 616.75
Completed and accepted..... 616.75
Usual 35 days..... 1837.50
TOTAL COST, $7350.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

(2849) ROOFING ON ABOVE.
Contractor—J. L. Rapheld Roofing Co., Monadnock Bldg., San Francisco.
Filed Nov. 25, '21. Dated Nov. 22, '21.
Main roof and east light court completed $1094
Completed and accepted..... 250
Usual 35 days 448
TOTAL COST, $1792
Bond, none. Limit, 10 days. Forfeit, none. Plans and specifications, none.

AUTO SALES ROOM

(2850) N TURK 181-3 W Larkin W 25 x N 131-6. All work for one-story brick building (auto sales room).
Owner—Salmon Jacobowski, Care Architect.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Contractor—Theo. S. Hoin, 1739 Washington St., San Francisco.
Filed Nov. 25, '21. Dated Nov. 25, '21.
Ready for roof joists..... $4000
Tar and gravel work and plastering done 2200
Completed and accepted..... 2225
Usual 35 days..... 2475
TOTAL COST, $9900
Bond, $4450. Surety, Minnie A. Hoin. Limit 40 days. Forfeit none. Plans and specifications filed.
NOTE—Permit reported Nov. 22, 1921 No 2787.

RESIDENCE

(2851) W DOLORES 64 N 30th N 25x W 90. All work for six room and basement residence.

Owner — Chas. A. Gerstbacher, 575 Hearst Ave., San Francisco.
Architect—None.
Contractor—Anders M. Boe, 730 Joost Ave., San Francisco.
Filed Nov. 25, '21. Dated Nov. 25, '21.
Roof on $1300
Brown coated 1300
Accepted 1300
Usual 35 days..... 1365
TOTAL COST, $5265
Bond, none. Limit, 70 days. Forfeit, plans and specifications, none.
NOTE—Permit also applied for today

FRAME BUILDING
(2852) W ELEVENTH AVE 87-6 N Cabrillo N 37-6 W 120 S 25 E 25 S 12-6 E 95. All work for one-story and basement frame building.
Owner—Nathan A. and Millie L. Cahn, 1045 Anza St., San Francisco.
Architect—None.
Contractor—Alfred T. Morris, 501 11th Ave., San Francisco.
Filed Nov. 25, '21. Dated Nov. 18, '21.
Frame up $2250
Brown coated 2250
Standing finish on..... 2250
Completed 2250
TOTAL COST, $9000
Bond, none. Limit, 90 days after Nov. 21. Forfeit, none. Plans and specifications filed.
NOTE.—Permit reported Nov. 22, 1921. No. 2779.

FRAME FLATS
(2853) W EIGHTEENTH AVE 125 S Anza. All work for two-story frame flats.
Owner—Harry and Minnie Lefkovitz, 1351 Anza St., San Francisco.
Architect—None.
Contractor—Alfred T. Morris, 501 11th Ave., San Francisco.
Filed Nov. 25, '21. Dated ——.
Roof on $2625
Brown coated 2625
Standing finish on..... 2625
Completed and accepted..... 2625
TOTAL COST, $10,500
Bond, none. Limit, 90 days after Oct. 20, 1921. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Oct. 22, 1921, No. 2400.

ALTERATIONS
(2854) NO. 1853 GREENWICH. Alter front, rearrange rooms in flats.
Owner—Wm. O'Niel, 1857 Greenwich St., San Francisco.
Architect—None.
Contractor—T. B. Goodwin, 180 Jessie St., San Francisco. $600

OFFICE BLDG.
(2855) S MARKET 385 E Second. Two story and basement brick office building.
Owner—H. L. Simon.
Architect—None.
Contractor—H. P. Hoyt, Monadnock Bldg., San Francisco. $65,000

REPAIRS
(2856) NE POST AND STEINER. Repair fire damage to flats.
Owner—J. Low, Care Wm. E. Dowd, Bush St., between Kearny & Montgomery Sts., San Francisco.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco. $500

RESIDENCES
(2857) N LAKE 60 E Thirtieth Ave. and NE Corner. Two two-story and basement frame residences.
Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Day's work. $10,000 each

RECORDED

BRICK BUILDING
(2858) N TURK 181-3 W Larkin W 25 xN 137-6. All work for one-story brick building.
Owner—Salmon Jacobowski.
Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.
Contractor—Theo. S. Hoin, 1739 Washington St., San Francisco.
Filed Nov. 26, '21. Dated Nov. 26, '21.
Brick walls ready for roof joists.$3000
Roof on and plastering done... 2200
Completed and accepted..... 2225
Usual 35 days..... 2475
TOTAL COST, $9900
Bond, $4950. Surety, Minnie A. Hoin. Limit, 40 days. Forfeit, none. Plans and specifications filed...
NOTE:—Permit reported Nov. 22, 1921, No. 2787.

FLATS
(2859) S CALIFORNIA 132-6 E 24th Ave. Two-story and basement frame (2) flats.
Owner—Arvid Peterson, 2165 Sanchez St., San Francisco.
Architect—None.
Day's work. $6500

DWELLINGS
(2860) E PARKER AVE 103 and 125 S Geary. Two one-story and basement frame dwellings.
Owner — Moneta Investment Co., 233 Pacific Bldg., San Francisco.
Architect—None.
Contractor — Moneta Investment Co., 233 Pacific Bldg., San Francisco. $3500 each

REMODELING
(2861) NO 484 FRANCISCO ST. Rearrange store for 3-room flat.
Owner—P. Delucchi, No. 484 Francisco Street.
Architect—None.
Day's work. $700

ADDITION
(2862) NO 2443 15TH AVE. Addition of one room for cottage.
Owner—Dr. Aurbough.
Architect—None.
Day's work. $500

APARTMENTS
(2863) S O'FARRELL 110 E Hyde. Three-story Class B (13) apartments.
Owner—Geo. S. Boss, No. 1120 Market Street.
Architect—Edw. E. Young, No. 251 Kearny St.
Day's work. $22,500

RECORDED

RESIDENCE
(2864) E FORTY-FIRST AVE 223-8 N Balboa 25x120. All work for two-story and basement frame residence.
Owner—Alexander Wagstaff, 551 37th Ave., San Francisco.
Designer—A. Wagstaff, 551 37th Ave., San Francisco.
Contractor— Ed Zinkand & Sons, 431 10th Ave., San Francisco.
Filed Nov. 28, '21. Dated Nov. 23, '21.
Roof on $1730
Brown coated and rough plumbing in 1730
Completed and accepted..... 1730
Usual 35 days..... 1730
TOTAL COST, $6920
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.
NOTE—Permit also applied for today

ALTERATIONS
(2865) W TENTH AVE 100 S Kirkham 25x120 No. 1509 Tenth Ave. Alterations and additions of frame residence into flats.
Owner—Rose Donigan, 1509 10th Ave., San Francisco.
Architect—None.
Contractor—John E. McCarthy, 1479 12th Ave., San Francisco.
Filed Nov. 28, '21. Dated Nov. 25, '21.
Brown coated $666.66
Completed and accepted..... 666.66
Usual 35 days..... 666.68
TOTAL COST, $2000.00
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today

ADDITIONS
(2866) NO 1037-9 BROADWAY. All work for additions to building.
Owner—Emily E. Williams and Lillian Palmer, Premises.
Architect—Emily E. Williams.
Contractor — Farnocchia & Co., 1814 Powell St., San Francisco.
Filed Nov. 28, '21. Dated Nov. 25, '21.
When roof on.....$700.00
Ready for inside finish..... 900.00
On completion 762.50
Usual 35 days..... 787.50
TOTAL COST, $3150.00
Bond, $1575. Sureties, G. Mosa and L. Lombardi. Limit, forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Nov. 5, 1921 No. 2596.

SEVICE STATION
(2867) SE BRANNAN & FIFTH STS. One-story steel service station.
Owner—Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Day's work. $1000

RESIDENCE
(2868) W BRIGHTON 225 S Holloway. One-story and basement frame residence.
Owner—E. B. Cohn, Care Chronicle, Kearny and Market Sts., S. F.
Architect—C. E. Soules, 163 Brighton Ave., San Francisco.
Contractor—C. E. Soules, 163 Brighton Ave., San Francisco. $3000

STORE
(2869) S GEARY 26-8 W 22nd Ave. One-story frame store.
Owner — Giacomo Moscone, 5817 22nd Ave., San Francisco.
Architect—None.
Contractor—Geo. Carauzi, 420 17th Ave. San Francisco. $2500

RESIDENCE
(2870) GENEVA AVE, Lot 6 Blk 21, Crocker Amazon Tract. Two-story and basement frame residence.
Owner—A. Mizzaro, 131 Curtis St., San Francisco.
Architect—L. Traverso, 854 Union St., San Francisco.
Contractor—A. Sorbi, Premises. $2875

STORE BLDG.
(2871) S MISSION 75 E Sixth. Two-story and basement concrete store building.
Owner—J. S. Morgan & Sons, 425 Kearny St., San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Day's work. $20,000

SERVICE STATION
(2872) SE SECOND AND HOWARD. One-story steel service station.
Owner—Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Day's work. $1000

REMODELING
(2873) NO 1640 Broderick St. Replace bearing partition in basement with steel girder; terrazzo steps; cement floor.
Owner—A. F. Serpo, No. 1640 Broderick St.
Architect—None.
Day's work. $1400

REMODELING
(2874) NO 907 DIAMOND ST. Erect partition in second floor for flats; alter for basement garage.
Owner—J. Anderle, No. 907 Diamond Street.
Architect—None.
Day's work. $1000

ELEC. SUPPLY SHOP
(2875) N FOLSOM 50 E 2nd. Two-story concrete electric supply shop.
Owner—Bothin Real Estate Co., Atlas Bldg.
Architect—Arthur S. Bugbee, No. 26 Montgomery St.
Contractor—Adam Arras Co., No. 185 Stevenson St. $31,000

UNDERPIN
(2876) NO 1327 LEAVENWORTH ST. Underpin rear wall of present building.
Owner—Moritz Silverman, No. 1060 Market St.
Architect—None.
Contractor—J. Sockolov (Superintendent), No. 2558 Clay St. $950

ALTERATIONS
(2877) NO 898 OAK ST. Alter for private garage; fireproof sidewalks and ceilings, etc.
Owner—Mrs. Elliott, No. 815 Ashbury Street.
Architect—None.
Contractor — H. Steiger, No. 1630 Haight St. $650

REMODELING
(2878) NE POST & HYDE STS. Rearrange partitions; painting; minor plumbing improvements; remove elevator, etc., for garage.
Owner—Gerard Investment Co., No. 110 Sutter St.
Architect—Rousseau & Rousseau, No. 110 Sutter St.
Day's work. $500

DWELLING
(2879) E RHODE ISLAND 121 N 19th. One-story frame dwelling.
Owner—John Moyer, No. 669 Rhode Island St.
Architect—None.
Day's work. $750

RECORDED

TILE LIGHT COURT
(2880) NE NEW MONTGOMERY & Mission Sts. Tiling of light court for the Crossley Bldg.
Owner—A. Aronson, L. Metzger and L. Schoenberg, Merchants Ex. Bldg.
Architect—Mel I. Schwartz, Nevada Bank Bldg.
Contractor—Eri H. Richardson, 506 9th St.
Filed Nov. 29, '21. Dated Nov. 25, '21.
One-third completed $1480
Two-thirds completed 1480
Completed and accepted 1480
Usual 35 days 1482
TOTAL COST, $5922
Bond, sureties, forfeit, none; limit, 30 days. Plans and specifications, none.

CARPENTRY, ETC.
(2881) NW GEARY AND SECOND Ave W 61-5xN 100. Carpentry, concrete, brick, iron, mill, hardware, roofing, sheet metal, marble, etc., for one-story brick building.
Owner — Ulrich F. Remensperger, 695 Dolores St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor—A. W. Lawson, 180 Jessie St., San Francisco.
Filed Nov. 29, '21. Dated Nov. 26, '21.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $13,044
Bond, $7000. Sureties, C. G. Berg and D. J. Sullivan. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Nov. 15, 1921 No. 2699.

(2882) PAINTING ON ABOVE.
Contractor—F. E. Shenehan and E. H. De Bord, 1040 Howard St., S. F.
Filed Nov. 29, '21. Dated Nov. 26, '21.
Payments same as above.....
TOTAL COST, $443
Bond, limit, forfeit, none. Plans and specifications filed.

(2883) ELECTRIC WORK ON ABOVE.
Contractor—Schwartz Electric Co., 922 Clement St., San Francisco.
Filed Nov. 29, '21. Dated Nov. 26, '21.
Payments same as above.....
TOTAL COST, $515
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(2884) NO 673 CASTRO ST. Cement floor, terrazzo steps, etc., for altering basement garage.
Owner—J. Dwyer, No. 673 Castro St.
Architect—None.
Day's work. $800

GARAGE
(2885) E DE HARO 56 N 23rd. One-story frame (private) garage.
Owner—Mrs. S. Iso, No. 1182 De Haro Street.
Architect—None.
Day's work. $900

FLATS
(2886) W 14TH 150 S Cabrillo. Two-story and basement frame (2) flats.
Owner—Charles Smith, No, 760 Cabrillo St.
Architect—None.
Contractor—Harry Moran, No. 778 10th Ave. $10,000

REMODEL. ETC.
(2887) NO 77 JACKSON ST. Remodel store front; erect partition in store.
Owner—Brazil and Euginio, No. 77 Jackson St.
Architect—None.
Contractor—Hannah Bros., No. 142 Sansome St. $1,000

ALTERATIONS
(2888) NO 18 WARE ST. Raise dwelling; underpin; ratproofing, etc.
Owner—Philip Lea Colander, — San Bruno Ave.
Architect—None.
Contractor — Tom Crowley (Supt.), Lankershim Hotel, City. $650

FRAME FLATS
(2889) NE GREEN AND OCTAVIA. Two-story and basement frame (4) flats.
Owner — W. W. Rednall, 2500 Filbert St., San Francisco.
Plans by Owner.
Day's work. $16,000

FRAME FLATS
(2890) E OCTAVIA 55-2 N Green. Two-story and basement frame (4) flats.
Owner—W. W. Rednall, 2500 Filbert St., San Francisco.
Plans by Owner.
Day's work. $12,000

ALTERATIONS
(2891) NO. 115 DAVIS. Change three partitions for paint store.
Owner—Hill Hubbell & Co., Premises.
Architect—None.
Day's work. $900

SERVICE STATION
(2892) SW ARMY AND HOLLODAY. One-story steel service station.
Owner—Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Day's work. $1000

SERVICE STATION
(2893) SE KEARNY AND JACKSON One-story steel service station.
Owner—Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Day's work $1000

SERVICE STATION
(2894) SW MISSION AND HIGHLAND Ave. One-story steel service station.
Owner—Standard Oil Co., 298 Bush St., San Francisco
Plans by Owner
Day's work $1000

SERVICE STATION
(2895) SW VAN NESS AVE AND Union St. One-story steel service station.
Owner—Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Days work. $1000

DWELLING
(2896) E TENTH AVE 256-6 S Balboa. One-story and basement frame dwelling.
Owner—Fred Lear, 320 18th Ave., San Francisco.
Architect—None.
Contractor—David Leigh, 840 44th Ave., San Francisco. $5000

RECORDED

COMMUNITY HOUSE
(2897) E DE HARO 200 N 22nd N 100 xE 100. All work for frame community house.
Owner — California Synodical Society of Home Missions.
Architect — Julia Morgan, Merchants Exchange Bldg., San Francisco.
Contractor—Taylor & Jackson, 290 Tehama St., San Francisco.
Filed Nov. 30, '21. Dated Nov. 5, '21.
On 5th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $23,912
Bond, none. Limit, without delay. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today

DWELLINGS
(2898) N CHARLES AND ACADEMY NE 47 NW 89-6 SW 47 m or l SE to beg All work for two frame dwellings.
Owner—Alfred E. Hind, Colusa, Calif.
Architect—W. G. Hind, 3885 Webster St., Oakland.
Contractor — Harry W. Hind, 2012 Channing Way, Berkeley.
Filed Nov. 30, '21. Dated Nov. 10, '21.
Rustic and roof boards on.....$1500
Brown coated 1500
Completed and accepted..... 1500
Usual 35 days..... 1500
TOTAL COST, $6000
Bond, none. Limit, 60 days. Forfeit, none Plans and specifications filed.
NOTE.—Permit reported Nov. 12, 1921, No. 2650.

STEAM BOILER, ETC.
(2899) NO 101 TO 107 BAY ST All work for steam boiler, fuel oil equipment and laundry machinery.
Owner—C. B. Torre & Sons, 103 Bay St., San Francisco.
Architect—None
Contractor — Knittle Cashel Co. 224 5th St., San Francisco.
Filed Nov. 30, '21. Dated Nov. 25, '21.
All payments to be made to contractor on presentation of bills of purchase and time cards and last payment to be made not later than 35 days after completion.
TOTAL COST not to exceed $4711
Bond, limit, forfeit, plans and specifications none
NOTE.—Owner to pay all costs plus 15% to contractor.

BUILDING
(2900) W HYDE 62-6 N Ellis 25x 62-6. All work except plumbing, heating, glass, finish hardware, fixtures, shades, roof, painting, hardwood floors, sheet iron work, marble, tile and plastering for building.
Owner—Henry Wiedeman, 3485 21st St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—O. E. Carlson, 180 Jessie St., San Francisco.
Filed Nov. 30, '21. Dated Nov. 14, '21.
Concrete poured to 2nd story...$1100
Concrete poured for fire walls.. 1100
Interior ready for lathing..... 1100
Interior ready for painting.... 1100
Completed and accepted..... 2200
Usual 35 days..... 2260
TOTAL COST. $8860
Bond, none. Limit, 100 days. Forfeit, plans and specifications, none.
NOTE:—Permit reported Nov. 3, 1921 No. 2556.

RESIDENCES
(2901) E ALLSTON WAY 100 and 136 S Claremont. Two two-story and basement frame residences.
Owner—George N. Merritt, Crocker Bldg., San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco. $6000 each

REPAIRS
(2902) NO. 164 CHURCH. Repair front steps, other repairs for residence.
Owner—Frank Cirimele, Premises.
Architect—None.
Contractor—C. A. Nace, 512 Falcon Ave., San Francisco. $600

CONCRETE FLOOR
(2903) S GROVE 100 W Polk. Concrete floor, etc., for paint shop.
Owner—M. J. Epstein, 68 Post St., San Francisco.
Architect — Sam Lightner Hyman, 68 Post St., San Francisco.
Contractor—O. W. Britt, 1257 1st Ave., San Francisco. $500

RESIDENCE
(2904) N JERSEY 150 E Church. Two-story and basement frame residence.
Owner—V. Gullmes, 1828 Castro St., San Francisco.
Architect—None.
Day's work. $2500

DWELLING
(2905) NO. 1015 JAMESTOWN AVE. One-story and basement frame dwelling.
Owner—Louis Chiapella, Premises.
Architect—None.
Day's work. $950

REPAIRS
(2906) NO. 134 MIRAMAR AVE. Raise building, repairs, etc.
Owner—A. S. West, Premises.
Architect—None.
Day's work. $800

ALTERATIONS
(2907) NO. 971 MARKET. Construct mezzanine floor in store.
Owner—Leighton Co-Operative Industries, Flood Bldg., S. F.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Contractor—M. A. Little, 805 Bush St., San Francisco. $1000

RESIDENCE
(2908) E PACHECO 100 S Alton. Two-story and basement frame residence.
Owner—W. D. Creighton, 1217 Shrader St., San Francisco.
Architect—None.
Contractor — J. M. Jackson, 1843 Leavenworth St., San Francisco. $6000

ALTERATIONS
(2909) NW COLUMBUS & LOMBARD. Alter for store and hotel.
Owner—Edw. Cerruti, Premises.
Architect—Righetti & Hirschfield, 12 Geary St., San Francisco.
Day's work. $1500

RESIDENCE
(2910) E HOWTH 100 N Geneva. One-story and basement frame residence.
Owner—R. M. Schaadt, 31 Howth St., San Francisco.
Architect—None.
Day's work. $2000

RESIDENCES
(2911) E NINETEENTH AVE 175 and 200 N Fulton. Two two-story and basement frame residences.
Owner—Bryan and P. J. Feerick, 253 Downey St., San Francisco.
Designer—B. Feerick, 253 Downey St., San Francisco.
Day's work. $4000 each

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Nov. 30, 1921—E FORTY-THIRD AV 175 N Irving, 120x25. Hilda Marian to Mr. Wengard.....Nov. 30, 1921
Dec. 1, 1921—N BUSH 60 E Grant Ave E 50 N 137-6 W 30 S 60 W 20 S 77-6. Julius Eisenbach to Kiernan & O'Brien.....Dec. 1, 1921
Dec. 1, 1921—E SIXTEENTH AVE 125 S Balboa 25x127-6. John Charles Thomas to whom it may concern.....Dec. 1, 1921
Dec. 1, 1921—NW CLAY & WEBSTER The Board of Trustees of Leland Stanford Jr. University to The Sartorius Co.....Nov. 23, 1921
Dec. 1, 1921—SW NINETEENTH AVE, and Taraval S 33-4x120. Parkside Realty Co to whom it may concern .....Dec. 1, 1921
Dec. 1, 1921—S CLAY 167-6 W Laguna W 30xS 127-8¼. Esther J Mitchell to F A Legault, Christensen & Anderson and American Electrical Engineering Co.....—
Nov. 30, 1921 LOT 50x155 on SE line Howard 150 SW Fourth. MacGruer & Simpson to Mission Concrete Co.....Nov. 30, 1921
Nov. 30, 1921—E SHOTWELL 145 N 25th N 25xE 122-6. A S Muller to T Jones.....Nov. 30, 1921
Nov. 30, 1921—E CASTRO 100 S 17th S 99-9 E 80 S 75-3 E 68 N 175 W 148. Nasser Bros to Golden Gate Iron Works.....Nov. 28, 1921
Nov. 30, 1921—S SUTTER 100 W Powell W 44xS 137-6. A F Rousseau to whom it may concern..Nov. 30, '21
Nov. 30, 1921—E FORTY-FIRST AVE 50 S Cabrillo. John Bros to whom it may concern.....Nov. 30, 1921
Nov. 30, 1921—NO. 1083 LOMBARD. Mary Thomas to whom it may concern.....Nov. 30, 1921
Nov. 23, 1921—LOT 1 BLK 3196. Westwood Park. W B Hill to Oscar Wilson and Andrew Benson..... .....Nov. 22, 1921
Nov. 29, 1921—E TAYLOR 62-6 N Pacific N 75xE 125. Jos Pasqualetti to whom it may concern.Nov. 29, 1921
Nov. 29, 1921—W FOURTH AVE 25 N Cabrillo N 25xW 95. Max Goldstein to John E Beck...Nov. 29, 1921
Nov. 29, 1921—LOT 3 BLK 4 ST Francis Wood. Herbert V Towle to Nelson Bros.....Nov. 26, 1921
Nov. 28, 1921—W FIFTEENTH AVE 175 N Balboa W 127-6xN 25. Mrs George Sheehan to K H McKenzie .....Nov. 25, 1921
Nov. 28, 1921—W RAILROAD AVE 276-6 S Bayview S 25x58, No. 1652 Railroad Ave. L Schibi to Richard Lutge.....Nov. 25, 1921
Nov. 28, 1921—SE GRANT AVE & Pine S 77-6 x E 60. Fong Kim to Vukicevich & Bagge ....Nov. 25, 1921
Nov. 28, 1921—S SUTTER 150 E Stockton E 50 x S 120. Lena Eisner, Helen E Friedman, Milton D Eisner, Henry A Friedman and Helen E Friedman, Milton D Eisner, extrs est M S Eisner, to Barrett & Hilp.....Nov. 2, 1921
Nov. 26, 1921—E TWENTIETH AVE 200 S Balboa S 25xE 120. Michael McDonough to whom it may concern .....Nov. 22, 1921
Nov. 26, 1921—E EIGHTEENTH AVE 275 S Cabrillo S 25xE120; E 18th Ave 300 S Cabrillo S 25xE 120. Elizabeth Lagomarsino to whom it may concern.....Nov. 26, 1921
Nov. 26, 1921—W BARTLETT 90 S 21st. L Glickfeld to C L Knight .....Nov. 17, 1921
Nov. 26, 1921—LOT 25x85 on E Fillmore 85 N Union. G H Walker to whom it may concern..Nov. 26, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Dec. 1, 1921—E THIRTY-SECOND Ave 175 N Geary 25x120. Frank Neubert (as Inlaid Hardwood Co) vs Herman Budan $100
Nov. 28, 1921—S TURK 84-2 E Taylor S 112-2 W 84-2 N 112-8 E 84-2. Johns-Manville, Inc., vs Julius H Berghauser, John Holst and Western Cooperative Cafeteria Co...$145
Nov. 23, 1921—N SUTTER 140 E Franklin E 57-6 x N 120. Pierre Martinet vs Mendel Weisbleet and Anetta Wise $150.00
Nov. 25, 1921—E DIVISADERO 150 N Fell N 25 x E 132-6. Guy L Wayne vs Eugene Cerf and Chas Andrus. $74.08
Nov. 25, 1921—E 32ND AVE 175 N Geary E 120 x N 25. J S Guerin & Co vs Herman Budan.....$72.35

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Dec. 1, 1921—S CLAY 167-6 W Laguna W 30xS 127-8¼. Western Builders Supply Co to Esther J Mitchell $83.38

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Dec. 1, 1921—W MISSION 217-5 S 21st W 90 S 35 m or l E 90-2½ m or l N 29 m or l. Caroline Sahlein as to improvements on property.....
Nov 29, 1921—S SUTTER 86 W Taylor W 70x100. California Pacific Title Insurance Co as to improvements on property .....
Nov. 28, 1921—W CASTRO 248 N 18th N 25 x W 125. George Bredhorst as to improvements on property .....
Nov. 28, 1921—N SUTTER between Pierce and Scott, No. 2222 Sutter. Alice Cook Swan and M N Haren, extrs est Inez A Noble, as to improvements on property.....
Nov. 26, 1921—NW LARKIN AND Cedar No. 931 Larkin. D A Alberti as to improvements on property...

RELEASE OF BUILDING CONTRACT

SAN FRANCISCO COUNTY

Nov. 30, 1921—PTN LOTS 17 AND 18 Blk 25, St. Francis Wood Extension No. 2. J R Young with Ernest Swanson.

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
4185	Stone	Owner	1500
4186	Goldworthy	Williford	2850
4187	Cotran	Barker	400
4188	Dallas	Spence	2310
4189	Lockman	Barker	400
4190	Noble	Owner	4000
4191	Kopf	Owner	4000
4192	Noble	Owner	3500
4193	Marquis	Owner	3500
4194	Ament	Texdahl	2500
4195	Morton	Owner	30000
4196	Coof	Searr	2000
4197	Thomas	Geary	800
4198	Miller	Standard	800
4199	Norris	Owner	3000
4200	Grant	Bailey	2800
4201	Higgins	Graff	800
4202	Rigden	Goed	2250
2403	Kwaica	Johnson	2000
4204	Whitecotton	Nottingham	999
4205	Same	Barrett	20869
4206	Same	Catton	2799
4207	Same	Howden	2275
4208	Same	Irwin	1487
4209	Same	Rochester	1072
4210	Same	Cook	1000
4211	Bowman	Long	4800
4212	Price	Owner	4000
4213	Crairotto	Fleishcer	700
4214	Picard	Rose	2000
4215	Peterson	Rose	12000
4216	Debert	Mullen	800
4217	Carr	Omo	2000
4218	McCausland	Owner	2700
4219	Nochbaun	Owner	400
4220	Shoemaker	Owner	3500
4221	Bell	Bell	2000
4222	Porter	Owner	450
4223	Rose	Rose	6500
4224	Frockett	Sprague	3000
4225	Burns	Owner	3000
4226	De Bra	Owner	1300
4227	Huber	Owner	700
4228	Locke	Burks	2800
4229	Tessore	Parker	1500
4230	Kushins	Westlund	15000
4231	Whalen	Owner	1000
4232	Same	Same	1000
4233	Mikel	Service	1500
4234	Pedersen	Andersen	4000
4235	Canalizo	Owner	1050
4236	Jurgevick	Wassel	2000
4237	Atrusee	Owner	45
4238	[illegible]	Owner	120[illegible]
4239	Locke	[illegible]	2750
4240	Bartels	McOscar	3000
4241	Block	McKibben	[illegible]
4242	Kinkead	Nattinger	500
4243	Chichester	Nelson	4960
4244	Rose	Johanson	2560
4245	Ehret	Almquist	3000
4246	Milton	Bertelsen	8900
4247	Roda	Owner	7000
4248	Jenkins	Morrison	4500
4249	Same	Same	500
4250	Luhn	Owner	4500
4251	Roberts	Baird	3300
4252	Williams	Owner	3500
4253	Healy	Owner	3000
4254	Hall	Clarke	1300
4255	First Presb.	Cederborg	9000
4256	Traux	Owner	500
4257	Fisher	Owner	8000
4358	Sowles	Owner	1750
4259	Benevides	Owner	500
4260	Scott	Corbett	750
4261	Sander	Wieben	8000
4262	Miller	Robbins	3750
4263	Anderson	Owner	1300
4264	Ekly Bldg Co	Owner	3000
4265	Waterbury	Long	10000
4266	Garzzana	Wessel	500
4267	Burgess	Owner	2000
4268	Millaway	Owner	2500
4269	Lozier	Blabon	1000
4270	Wilkinson	Owner	400
4271	Lebrecht	Rich	1150
4272	Kahl	McIntosh	890
4273	Crane	Grimmitt	500
4274	Valleiga	Owner	3250
4275	Piatt	Irving	400
4276	Martin	Christensen	3825
4277	Newman	Baker	7000
4278	Brown	Bettencourt	3500
4279	Burns	Corbett	1000
4280	Werner	Owner	200
4281	Built-In-Fix	Owner	400
4282	Marquis	Owner	2500
4283	Stephenson	Williams	300
4284	MacGregor	MacGregor	2950
4285	Haskell	Haskell	450
4286	Nichols	Owner	3000
4287	Lockes	Burks	2800
4288	MacGregor	MacGregor	4500
4289	Bonnell	MacGregor	2950

PERMITS

DWELLINGS
(4185) BAY FARM ISLAND, Alameda. Three one-story 5-room dwellings.
Owner—E. E. & A. L. Stone. Chas. Spreckels Bldg., San Francisco.
Architect—None.
Day's work. $2500 each

DWELLING
(4186) NO. 3249 CENTRAL AVE., Alameda. One-story 5-room dwelling.
Owner—Richard Goldworthy, 3255 Central Ave., Alameda.
Architect—None.
Contractor — Howard Williford, 3265 Central Ave., Alameda. $2850

ADDITION
(4187) NO. 2306 CLINTON AVE., Alameda. Addition.
Owner—L. A. Cofran, Premises.
Architect—None.
Contractor—E. S. Barker, 1224 Chestnut St., Alameda. $400

DWELLING
(4188) NO. 820 HAIGHT AVE., Alameda. One-story 5-room dwelling.
Owner—H. R. Dallas, 1417 St. Charles St., Alameda.
Architect—None.
Contractor—A. T. Spence, Alameda. $2310

ALTERATIONS
(4189) NO. 1354 PEARL ST., Alameda. Alterations.
Owner—J. Lockman, Premises.
Architect—None.
Contractor—E. S. Barker. $400

DWELLING
(3190) NO. 1017 PEARL ST., Alameda. One-story 5-room dwelling.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $4000

DWELLING
(4191) NO. 845 PACIFIC AVE., Alameda. One and one-half-story 7-room dwelling.
Owner—Ben F. Kopf.
Architect—None.
Day's work. $4000

DWELLING
(4192) NO. 2612 WASHINGTON ST., Alameda. One-story [illegible] dwelling.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. [illegible]

DWELLING
(4193) E S ALAMEDA 75 S El Dorado, Berkeley. One-story 5-room dwelling.
Owner—E. E. Marquis, 1023 [illegible] Berkeley.
Architect—None.
Day's work. $3500

ALTERATIONS
(4194) 2545 BENVENUE AVE. Berkeley. Alterations.
Owner—E. M. Ament, Premises.
Architect—None.
Contractor—C. Texdahl, 5874 Belgravia Pl., Berkeley. $2500

DWELLINGS
(4195) W ELLSWORTH 69 and 110 S Bancroft, Berkeley. Two 2-story 18-room dwellings.
Owner—Mathew Morton, 2911 Benvenue, Berkeley.
Architect—None.
Day's work. $15,000 ea.

ALTERATIONS
(4196) 2509 STUART ST., Berkeley. Alterations to apartments.
Owner—H. A. Coof, Premises.
Architect—None.
Contractor—W. F. Searr, 2306 Grant, Berkeley. $2000

ALTERATIONS
(4197) 2247 TELEGRAPH, Berkeley. Alter store.
Owner—T. H. Thomas, Premises.
Architect—None.
Contractor—L. G. Geary, 524 58th St., Oakland. $800

ALTERATIONS
(4198) S E FOURTEENTH 64 W 46th Ave., Oakland. Alterations.
Owner—Muller Bros., E-14th St. and 46th Ave., Oakland.
Architect—None.
Contractor—Standard Constr. Co., 639 Call Bldg., San Francisco. $800

DWELLING
(4199) E FORTY-SECOND AVE 205 N San Carlos, Oakland. One-story 5-room dwelling.
Owner—Justius Norris, 423 Hill Lane, Oakland.
Architect—None.
Day's work. Cost, $3000

DWELLING
(4200) N FIFTY-EIGHTH 411 E Shattuck Ave., Oakland. One-story 5-room dwelling.
Owner—J. H. and E. A. Grant, 546 58th Ave., Oakland.
Architect—None.
Contractor—B. L. Bailey, 1524 Linden St., Oakland. $2800

GARAGE
(4201) SW LAKESHORE & COTTAGE Oakland. One-story garage.
Owner—J. F. Higgins, 355 12th St., Oakland.
Architect—None.
Contractor—E. C. Graff. $800

ALTERATIONS
(4202) W NAPIER 170 N Richmond Blvd. Alterations and additions.
Owner—T. A. Rigden, 31 Napier St., Oakland.
Architect—None.
Contractor—Frances Goed, 731 Cleveland Ave., Oakland. $2250

DWELLING
(4203) W QUIGLEY 300 E 39th Ave., Oakland. One-story 5-room dwig.
Owner—Sam Kwaica, 3341 Abbey St., Oakland.
Architect—None.
Contractor—Hans Johnson, 3328 Abbey St., Oakland. $2000

[illegible]
[illegible] LTN BLK 2, Shattuck Tct No. 2, Berkeley. Heating system for [illegible] and basement reinforced concrete addition to hotel (plaster [illegible])
[illegible] W. W. Whitecotton, Hotel [illegible] Berkeley.
[illegible] J. W. Pladdick, 2014 Shattuck Ave., Berkeley.
[illegible] W. K. Nottingham, 368 [illegible] St., Oakland.
[illegible] Nov. 26, 21. Dated Nov. 25, '21. [illegible] and 14th of each month [illegible] days [illegible] 25%
TOTAL COST, $999
Cond. limit, forfeit, none. Plans and [illegible] filed

(4205) EXCAVATING, GRADING AND Concrete work on above.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Nov. 26, '21. Dated Nov. 25, '21.
Payments same as above.....
TOTAL COST, $20,869
Bond, limit, forfeit, none. Plans and specifications filed.

(4206) PLUMBING ON ABOVE.
Contractor — Thos. R. Catton, 2327 Prince St., Berkeley.
Filed Nov. 26, '21. Dated Nov. 25, '21.
Payments same as above.....
TOTAL COST, $2799
Bond, limit, forfeit, none. Plans and specifications filed.

(4207) TILE WORK ON ABOVE.
Contractor — Robert Howden, 1117 Webster St., Oakland.
Filed Nov. 26, '21. Dated Nov. 25, '21.
Payments same as above.
TOTAL COST, $2275
Bond, sureties, forfeit, limit, none. Plans and specifications filed.

(4208) PAINTING, TINTING, WALL Paper on above.
Contractor—C. E. Irwin, 1732 California St., Berkeley.
Filed Nov. 26, '21. Dated Nov. 25, '21.
Payments same as above.
TOTAL COST (Interior) $1302
Painting exterior plaster 185
Bond, sureties, forfeit, limit, none. Plans and specifications filed.

(4209) ELECTRICAL ON ABOVE.
Contractor—Rochester Elec. Co., 2134 University, Berkeley.
Filed Nov. 26, '21. Dated Nov. 25, '21.
Payments same as above.....
TOTAL COST, $1072.50
Bond, sureties, forfeit, limit, none. Plans and specifications filed.

(4210) MARBLE WORK ON ABOVE.
Contractor—Ray Cook Marble Co., 3920 Grove St., Oakland.
Filed Nov. 26, '21. Dated Nov. 25, '21.
Payments same as above.....
TOTAL COST, $1000
Bond, limit, forfeit, none. Plans and specifications filed.

DWELLING
(4211) NE FLORENCE AND ASHBY, Berkeley. Two-story 5-room frame dwelling.
Owner—Miss L. M. Bowman, 2927 Florence St., Berkeley.
Architect—Chester H. Miller, 414 13th St., Oakland.
Contractor—Homer Long, 2927 Florence St., Berkeley. $4800

DWELLING
(4212) N TACOMA 275 W Colusa, Berkeley. One-story 5-room dwelling.
Owner—T. W. Price, 1734 Tacoma Ave., Berkeley.
Architect—None
Day's work $4000

ADDITION
(4213) NO. 1907 VIRGINIA ST., Berkeley. Addition.
Owner—J. Crairotto, Premises.
Architect—None.
Contractor — Chas. H. Fleischer, 2032 Bancroft Way, Berkeley. $700

ALTERATIONS
(4214) NO. 5656 COLLEGE AVE., Oakland. Alterations.
Owner—W. H. Picard.
Architect—None.
Contractor—M. P. Rose, 1645 Stuart St., Berkeley. $2000

FLATS
(4215) NW COTTAGE AND WAKEfield, Oakland. Two-story 17-room flats.
Owner—H. E. Peterson, 1629 Lincoln St., Berkeley.
Architect—None.
Contractor—M. P. Rose, 1645 Stuart St., Berkeley. $12,000

ALTERATIONS
(4216) SW E-FOURTEENTH AND Twenty-third Ave., Oakland. Alterations.
Owner—Debert Drug Co.
Architect—None.
Contractor—Mullen Mfg. Co., 86 Rausch St., San Francisco. $800

DWELLING
(4217) SE EIGHTY-FIRST AVE AND Birch St., Oakland. One-story 2-room dwelling and store.
Owner—Mrs. Pearl Carr, 2821 Baker St., Berkeley.
Architect—None.
Contractor—Fred Omo, 2178 11th Ave., Oakland. $2000

DWELLING
(4218) E FIFTY-SECOND AVE 509 N E-14th, Oakland. One-story 5-room dwelling.
Owner—Martha McCausland, 5021 E-14th St., Oakland.
Architect—None.
Day's work. $2700

DWELLING
(4219) W HOPKINS 250 S Simmons St., Oakland. One-story 2-room dwlg.
Owner—J. Nochbaun.
Architect—None.
Day's work. $400

DWELLING
(4220) NW LINCOLN AVE AND E-Thirty-ninth St., Oakland. One and one-half-story 8-room dwelling.
Owner—R. S. Shoemaker, 1059 46th Ave Oakland.
Architect—None.
Day's work. $3500

ALTERATIONS
(4221) NO. 96 MONTA CRESTA AVE., Oakland. Alterations.
Owner—Mrs. A. T. Bell.
Arcihtect—None.
Contractor—C. S. Bell. $2000

DWELLING
(4222) S SIMMONS 125 W Hopkins St., Oakland. One-story 2-room dwelling.
Owner—I. H. Porter, 2130 57th Ave., Oakland.
Architect—None.
Day's work. $450

FLATS
(4223) S SIXTY-FIRST 190 E Grove St., Oakland. Two-story 8-room flats
Owner—Rosina B. Rose, 5801 Dover St., Oakland.
Architect—None.
Contractor—M. A. Rose, 1645 Stuart St., Berkeley. $6500

DWELLING
(4224) N TAFT AVE 700 E College Ave., Oakland. One-story 5-room dwelling.
Owner—R. T. Frockett.
Architect—None.
Contractor—J. E. Sprague, 351 12th St., Oakland. $3000

OFFICE BLDG.
SE ALSTON AND HAROLD WAYS, Berkeley. Two-story reinforced concrete office building.
Owner — W. W. Whitecotton, Hotel Whitecotton, Berkeley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Segregated Contracts. $40,000
NOTE:—Recorded contracts reported Nov. 28, No. 4204 to 4210.

DWELLING
(4225) S AGUA VISTA AVE 200 W Rosedale, Oakland. One-story 4-room dwelling.
Owner—C. G. Burns, 1865 39th St., Okd.
Architect—None.
Day's work. $3000

DWELLING
(4226) N ARKANSAS 350 E Laurel Ave., Oakland. One-story 4-room dwelling.
Owner — L. L. De Bra, 3344 Arkansas St., Oakland.
Architect—None.
Day's work. $1900

DWELLING
(4227) E FOREST HILL 600 N Whittle Ave., Oakland. One-story 2-room dwelling.
Owner—L. J. Huber, 1046 48th Ave., Oakland.
Architect—None.
Day's work. $400

DWELLING
(4228) N FIFTY-THIRD 200 E San Pablo Ave., Oakland. One-story 4-room dwelling.
Owner—F. H. Locke.
Architect—None.
Contractor — C. E. Burks, 4129 Randolph Ave., Oakland. $2800

DWELLING
(4229) W FIFTY-FOURTH AVE 50 S E-8th, Oakland. One-story 5-room dwelling.
Owner — M. Tessore, 5323 E-8th St., Oakland.
Architect—None.
Contractor—John W. Parker, 841 52nd Ave., Oakland. $1500

RESIDENCE
(4230) N LONGRIDGE ROAD 350 E Lakeshore, Oakland. Two-story 9-room residence and garage.
Owner—Chas. Kushins, San Francisco.
Architect—None.
Contractor—F. J. Westlund, 351 12th St., Oakland. $15,500

DWELLINGS
(4231) E MANILA AVE 158 and 220 N Forty-fifth, Oakland. Two one-story 5-room dwellings.
Owner—Whalen & Carlos, 407 Federal Bldg., Oakland.
Architect—None.
Day's work. $3500 each

DWELLING
(4232) W MANILA AVE 81 S 49th and NE Cor. Oakland. Two one-story 5-room dwellings.
Owner—Whalen & Carlos, 407 Federal Bldg., Oakland.
Architect—None.
Day's work. $3500 each

DWELLING
(4233) N NEVY AVE 60 W Parker Ave., Oakland. One-story 4-room dwelling.
Owner—C. V. Mikel, Berkeley.
Architect—None.
Contractor — C. A. Service, Ney and Foothill Blvd., Oakland. $1500

DWELLING
(4234) N PENNIMAN AVE 275 W High, Oakland. One-story 6-room dwelling.
Owner—I. Pedersen, 2930 Union St., Oakland.
Architect—None.
Contractor—A. T. Andersen, 9302 Birch St., Oakland. $4000

ADDITION, ETC.
(4235) NO. 5560 PRYAL AVE., Oakland. One-story addition and garage.
Owner—E. A. Canalizo.
Architect—None.
Day's work. $1000

ALTERATIONS
(4236) NO. 1658 SEVENTH ST., Oakland. Alterations and additions.
Owner—K. M. Jurgevich.

Architect—None.
Contractor — Harry Wassel, 794 11th St., Oakland. $2000

ADDITION
(4237) NO. 1425 SEVENTY-SECOND Ave., Oakland. One-story addition
Owner—Victor J. Abrusee.
Architect—None.
Day's work. $450

DWELLING
(4238) S TRESTLE GLEN ROAD 700 E Lakeshore Blvd., Oakland. Two sctory 12-room dwelling.
Owner—J. B. Peppin, San Leandro.
Architect—None.
Day's work. $12,000

DWELLING
(4239) E SEVENTY-SIXTH AVE 246 S E-14th, Oakland. One-story 5-room dwelling.
Owner—E. J. Locke, San Francisco.
Architect—None.
Contractor—Dolan Wrecking Co. $2750

DWELLING
(4240) S WELLINGTON 100 E Park Blvd., Oakland. One-story 4-room dwelling.
Owner—W. H. Bartels, 720 Oak St., Oakland.
Architect—None.
Contractor—W. H. McOscar, 3341 E-23d St., Oakland. $3000

ALTERATIONS
(4241) NO. 1024 KENNEDY ST., Oakland. Alterations and additions.
Owner—Peter Block, Piedmont.
Architect—None.
Contractor—C. H. McKibben, 1548 13th Ave., Oakland. $1500

GARAGE
(4242) NO. 853 CONTRA COSTA AVE., Berkeley. Garage.
Owner—E. G. Kinkead, Premises.
Architect—None.
Contractor—J. Nattinson, 925 The Alameda, Berkeley. $900

DWELLING
(4243) NO. 1953 NAPA, Berkeley. One story 5-room dwelling.
Owner — J. H. Chichester, 1917 Howe St., Berkeley.
Architect—None.
Contractor—O. E. Nelson, 2634 Highland St., Berkeley. $4900

DWELLING
(4244) NO. 2738 NINTH ST., Berkeley. One-story 5-room dwelling.
Owner—W. Rose, 2321 10th St., Bkly.
Architect—None.
Contractor—G. Johanson, 1357 Northbrae Ave., Berkeley. $2500

DWELLING
(4245) E MADERA AVE 54 N Fleming Ave., Oakland. One-story 5-room dwelling.
Owner—C. N. Ehret, 2476 Mavin St., Oakland.
Architect—None.
Contractor—John Almquist, 5356 Trask St., Oakland. $3000

DWELLING
(4246) N ASHMONT AVE 1000 W Mandana, Oakland. Two-story 8-room dwelling.
Owner — Mrs. Laura A. Milton, 2832 Summit St., Oakland.
Architect—None.
Contractor—S. J. Bertelsen, 30 Estrella Ave., Piedmont. $8900

DWELLING
(4247) NW BAY VIEW AVE AND Elliott St., Oakland. Two-story 9-room dwelling.
Owner—W. E. Roda, 3538 Emerson St., Oakland.
Architect—None.
Day's work. $7000

DWELLING
(4248) NW DOLORES & EL CENTRO Ave., Oakland. One-story 6-room dwelling and store.
Owner—H. J. Jenkins, 2319 Haste St., Berkeley.
Architect—None.
Contractor — Wallace Morrison, 180 Kempton Ave., Oakland. $4500

GARAGE
(4249) NO. 4601 DOLORES AVE., Oakland. Garage.
Owner—H. J. Jenkins, 2319 Haste St., Berkeley.
Architect—None.
Contractor—W. Morrison, 180 Kempton Ave., Oakland. $500

DWELLING
(4250) E DANA 180 S Woolsey St., Oakland. One-story 6-room dwlg.
Owner—G. W. Luhn, 6629 Dana St., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(4251) S E-THIRTY-THIRD ST. 300 W Elliott St., Oakland. One-story 5-room dwelling.
Owner—Mrs. E. Roberts, 1224 Excelsior Ave., Oakland.
Architect—None.
Contractor—L. W. Baird, 1450 Alice St., Oakland. $3900

DWELLING
(4252) S EL CENTRO AVE 60 W Edgewood, Oakland. One-story 5-room dwelling.
Owner — C. J. Williams, 715 Kirkham St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(4253) S FORTIETH 100 W Market St., Oakland. One-story 5-room dwlg.
Owner—P. J. Healy, 39 Nace Ave., Piedmont.
Architect—None.
Day's work. $3000

DWELLING
(4254) S FOOTHILL BLVD 80 E Vicksburg, Oakland. One-story 6-room dwelling.
Owner—E. C. Hall.
Architect—None.
Contractor—Clarke & Allen, 5805 Harmon, Oakland. $4300

AUDIT. & GYM.
(4255) E GRAND AVE 107 N Lake Park Ave., Oakland. One-story auditorium and gymnasium.
Owner—First Presbyterian Church, 26th and Broadway, Oakland.
Architect—None.
Contractor—A. Cederborg, 1445 E 37th St., Oakland. $9000

ADDITION
(4256) 2609 ORANGE AVE., Oakland. Addition.
Owner—J. T. Traux, Premises.
Architect—None.
Day's work. $500

FLATS
(4257) S PARK BLVD 183 E Hopkins, Oakland. Two-story 10-room flats.
Owner—H. P. Fisher, Syndicate Bldg., Oakland.
Architect—None.
Day's work. $8000

DWELLING
(4258) E 61ST AVE 105 S E-14th St., Oakland. One-story 4-room dwelling.
Owner—A. J. Soules, 1130 Howe St., Oakland.
Architect—None.
Day's work $1750

DWELLING
(4259) W 22ND AVE 200 N E-30th St., Oakland. One-story 3-room dwelling.
Owner—J. C. Benevides, 3119 22nd Ave., Oakland.
Architect—None.
Day's work. $500

ALTERATIONS
(4260) 4902 TELEGRAPH AVE., Oakland. Alterations.
Owner—Scott & Bathwell.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. $739

DWELLINGS, ETC.
(4261) W VIEW ST 300 & 335 N Mather, Oakland. Two 1-story 5-room dwellings and garages.
Owner—E. Sandner, 2022 Francisco, Berkeley.
Architect—None.
Contractor—Alex C. Wieben, 2602 Fruitvale, Oakland. $4000 ea.

DWELLING
(4262) E WARFIELD 350 S Broadway, Oakland. One-story 6-room dwelling.
Owner—Mrs. J. C. Miller, 5117 Broadway, Oakland.
Architect—None.
Contractor — R. L. Robbins, 5117 Broadway, Oakland. $3750

DWELLING
(4263) NW CURTIS AND VIRGINIA, Berkeley. One-story 4-room dwlg.
Owner—A. T. Anderson, 1202 Hopkins St., Berkeley.
Architect—None.
Day's work. $1300

DWELLING
(4264) NW MAIN AND MODOC STS., Berkeley. One-story 6-room dwlg.
Owner—Berkeley Bldg. Co., Colusa & Solano Aves., Berkeley.
Architect—None.
Day's work. $3000

SHOP
(4265) NO. 1941 UNIVERSITY AVE., Berkeley. One-story 2-room concrete and brick paint and tinning shop.
Owner—Mrs. J. R. Waterbury.
Architect—None.
Contractor—Roy O. Long Co., 2114 Shattuck Ave., Berkeley. $10,000

ALTERATIONS
(4266) NO. 853 CAMPBELL ST., Oakland. Alterations.
Owner—A. Garzzana.
Architect—None.
Contractor — Harry Wessel, 794 11th St., Oakland. $500

STORES
(4267) NE FORTIETH AND SHAFTER Ave., Oakland. One-story stores.
Owner—Burgess & Bickford, 72 Bruce Ave., San Francisco.
Architect—None.
Day's work. $2000

DWELLING
(4268) S NEY AVE 150 W Ritchie St., Oakland. One-story 4-room dwlg.
Owner—Harry Millaway, 711 36th St., Oakland.
Architect—None.
Day's work. $2500

ALTERATIONS
(4269) NO. 23 NAPIER AVE., Oakland. Alterations.
Owner—C. Lozier, Premises.
Architect—None.
Contractor—E. R. Blabon, 2462 63rd Ave., Oakland. $1000

DWELLING
(4270) E 103RD AVE 200 N Sunnyside, Oakland. One-story 1-room dwelling

Owner—E. Wilkinson, 2118 102nd Ave., Oakland.
Architect—None.
Day's work. $400

DWELLING
(4271) 720 WALLA VISTA AVE., Oakland. One-story 6-room dwelling.
Owner—M. Lebrecht, 1420 Linden St., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Jas. L. Rich, 943 42nd St., Oakland. $4750

ADDITION
(4272) 1275 CAROLINE ST., Alameda. Addition.
Owner—A. E. Kahl, Premises.
Architect—Hamilton Murdoch, Syndicate Bldg., Oakland.
Contractor—McIntosh Bros, 180 Jessie St., San Francisco. $890

ALTERATIONS
(4273) 2969 JOHNSON AVE., Alameda. Alterations.
Owner—L. H. Crane, Premises.
Architect—None.
Contractor—S. Grimmitt, 1440 Caroline St., Alameda. $500

DWELLING
(4274) 2900 MADISON ST., Alameda. One-story 5-room dwelling.
Owner—L. Vallerga.
Architect—None.
Day's work. $3250

WORK SHOP
(4275) 2410 SANTA CLARA AVE., Alameda. One-story work shop.
Owner—L. S. Piatt, Premises.
Architect—None.
Contractor—A. D. Irving, 1533 Ralston Ave., Burlingame. $490

DWELLING
(4276) 1190 SHERMAN ST., Alameda. One-story 6-room dwelling.
Owner—W. V. Martin, Alameda.
Architect—None.
Contractor—A. C. Christensen, 78 Glen Ave., Oakland. $3825

RECORDED

DWELLING
(4277) MANOR DR., Piedmont. Two-story dwelling.
Owner—Sam J. Newman, 585 18th St., Oakland.
Architect—None.
Contractor—William J. Baker, 2255 Ransome Ave., Oakland.
Filed Nov. 30, '21. Dated Nov. 29, '21. 1st and 15th day each month....90%
Usual 35 days 10%
TOTAL COST, $7000
Bond, sureties, forfeit, none; limit, 75 days. Plans and specifications filed.

(4278) E CALIFORNIA 60 S Rose St., Berkeley. One and one-half-story 5-room dwelling.
Owner—D. M. Brown, 916 Union St., Oakland.
Architect—None.
Contractor — Geo. J. Bettencourt, 1211 Evelyn Ave., Berkeley. $3500

REPAIRS
(4279) NO. 2914 DURANT AVE., Berkeley. Fire repairs.
Owner—J. D. Burns, Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. $1000

DWELLING
(4280) E GRANT 268 S Rose St., Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. $2000

SHED
(4281) NO. 1911 SAN PABLO AVE., Berkeley. Shed.
Owner—Built-In-Fixture Co., Premises.
Architect—None.
Day's work. $400

DWELLING
(4282) S CARRINGTON 35 E 40th Ave., Oakland. One-story 4-room dwelling.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. $2500

ROOF REPAIRS
(4283) SE COR 8TH AVE & E-12TH St., Oakland. Roof repairs.
Owner—L. A. Stephenson.
Architect—None.
Contractor—C. G. Williams, 351 12th St., Oakland. $300

DWELLING
(4284) SW COR E 32ND ST & 23RD Ave., Oakland. One-story 5-room dwelling.
Owner—Leighton D. MacGregor.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $2950

SERVICE STATION
(4285) E FRUITVALE AVE 25 N E-27th St., Oakland. One-story tile service station.
Owner—C. R. Haskell, 2901 Fruitvale Ave., Oakland.
Architect—None.
Contractor—L. F. Haskell, 161 Santa Clara Ave., Oakland. $450

DWELLING
(4286) E FIFTH AVE bet. E-20th and E-21st Sts., Oakland. One-story 5-room dwelling.
Owner—C. S. Nichols, 2048 5th Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(4287) S FIFTY-FOURTH 200 E San Pablo Ave., Oakland. One-story 5-room dwelling.
Owner—F. K. Lockes.
Architect—None.
Contractor—C. E. Burks, 4129 Randolph Ave., Oakland. $2800

DWELLING
(4288) N MANDANA BLVD. 220 W Paloma, Oakland. One-story six-room dwelling.
Owner—Charlotte F. MacGregor.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $4500

DWELLING
(4289) NW PLYMOUTH AND AUSEON, Oakland. One-story 6-room dwlg.
Owner—C. E. Bonnell, 1833 38th Ave., Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $2950

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Nov. 30, 1921—LOT 9 BLK G MAP Excelsior Heights, Oakland. Wm Daul and Alpha G Daul to E Maasberg .....Nov. 29, 1921
Dec. 1, 1921—W 45 LOTS 1 AND 2 Blk A Map Whitney Tract, Berkeley. Helen M Johnson to Harry C Knight .....Nov. 30, 1921
Dec. 1, 1921—SW E-8TH ST 40 SE 6th Ave SE 35 SW 100, Oakland. Marie M and T L Soares to Ben F Kopf .....Nov. 30, 1921
Nov. 30, 1921—ALAMEDA. Associated Oil Co to Healy-Tibbitts Constr Co.....Nov. 17, 1921
Nov. 30, 1921—S BOND 100 E 46th Ave, Oakland. Albert Port to I M Sommer & Co.....Nov. 22, 1921
Nov. 30, 1921—NW ERIE 45.61 NE Prince NE 45xNW 100, Oakland. Herman Newman to whom it may concern.....Nov. 22, 1921
Nov. 29, 1921—1819 7TH AVE. Louis Wilner to W H Little (lathing and plastering) .....Nov. 26, 1921
Nov. 28, 1921—NE COR ALAMEDA Ave and Union St 73x100, Alameda. Max Claussenius to W McIntosh and D McIntosh, as McIntosh Bros. .....Nov. 25, 1921
Nov. 28, 1921—51 YORK DR., Piedmont. Burritt & Shealey to whom it may concern .....Nov. 26, 1921
Nov. 28, 1921—LOT 9 BLK 4 MAP E Piedmont Heights Extension, Oakland. Victor Guyot to whom it may concern .....Nov. 26, 1921
Nov. 28, 1921—POR LOT 12 DARWIN Place, Oakland. C Ugland to E B Leonard .....Nov. 22, 1921
Nov. 26, 1921—51 YORK DRIVE, W York Drive 180 N Hally Place, Okd. J H A Shealey to whom it may concern.....Nov. 26, 1921
Nov. 26, 1921—LOT 9 BLK 4, East Piedmont Heights, Oakland. V Guyot to whom it may concern... .....Nov. 26, 1921
Nov. 25, 1921—LOTS 13 AND 14 BLK "A" Map of Fourth Avenue, Oakland. H P Evans to whom it may concern.....Nov. 19, 1921
Nov. 25, 1921—NE ALAMEDA AVE & Union St., Alameda. W Clausius to McIntosh Bros.....Nov 23, 1921
Nov. 23, 1921—S LINCOLN AVE 160 W Eighth W 40xS 140, Alameda. Louis Cranz to Oakley & Kolmodin .....Oct. 23, 1921
Nov. 23, 1921—LOT 16 BLK 16, Lakeshore Highlands, Oakland. Ann.. Walters Heyn to W E McChesney .....Nov. 19, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Dec. 1, 1921—LOTS 12, 13, 14, 16, 17 and Ptn Lot 15 Blk "A" Map Sbdvn Ptn Blocks I, A, E and F, Revised Map Prospect Hill Tract, Oakland. Oakland Building Materials Co vs T L and Mary J Wand $145.20
Dec. 1, 1921—LOT 3 BLK 6, Map Lakeshore Highlands, Oakland. Powell Bros Inc vs F N Strang, W Leese and Lakeshore Highlands Co $92.35
Dec. 1, 1921—NW THIRTEENTH AV and NE Lake View Ave NW 35xNE 112.50, Oakland. Chas Matthews vs Howard Nethken and Lillian B Breeding $163.45
Nov. 30, 1921—S 4 LOT 14 & N 36 Lot 15 Blk C, Map Bryant Tract, Berkeley. August Hendrickson vs Herman Joutsen $220.00
Nov. 30, 1921—W E-21ST 390 S 5TH Ave S 125 E 40, Oakland. S J Cinnamond vs William and Amelia Henry, William J. Wilkinson..$365.00
Nov. 29, 1921—LOT 3 BLK O, MELrose Acres. John P. Maxwell vs W J Scott $136.67
Nov. 28, 1921—LOT 12 BLK 8 MAP Lake Shore Highlands, Oakland. W H Pollard Jr vs W Loyd....$84.00
Nov. 28, 1921—LOT 3 BLK 6 LAKEshore Highlands, Oakland. W H Pollard Jr vs W Leese, F Strang et al. $32.50
Nov. 28, 1921—LOT 24 BLK E EAST Piedmont Heights, Oakland. W H Pollard Jr vs W Price.....$145.00
Nov. 28, 1921—PTN BLK 124 HIGley's Map, Clinton, Oakland. Birdsrymer, $539.35, J P Maxwell $438.19, vs W Henry .....

Nov. 28, 1921—LOT 24 BLK E East Piedmont Heights Tract, Oakland. F. C. Meyer vs Fred M Strang..$46.65
Nov. 28, 1921—LOT 3 BLK 6 LAKEshore Highlands; Lot 24 Blk E, East Piedmont Hts.; Lot 12 Blk 8, Lakeshore Highlands. W H Pallord Jr vs W Lesse, F L Strang et al, painting, $32.50; W Price, F L Strang et al, painting, $145.00; W Lloyd, F L Strang et al, painting, $54.00 .....
Nov. 25, 1921—POR LOT D BLK 124 Hegley's Map of Cemtors. Mangrum Otter Inc vs William Henry and Amelia Henry $366.42
Nov. 25, 1921—LOT 52 BLK 5 Map of Briggs' Tract. W. F Garett et al vs M Cabrall $116.84

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
Nov. 30, 1921—LOT 14 AND SE 13 Lot 13 Blk 1 Map Lakeshore Highlands, Oakland. W P Fuller & Co to Fred Strang $175.00

Notice of Non-Responsibility

ALAMEDA COUNTY

Nov. 28, 1921—SW ½ LOT 60 BLK 7 Map of Boulevard Park. B Rose, wife of Joseph Rose.....$3500
Nov. 28, 1921—W 54 FT LOT 25 BLK 1364 Map of Porier Tract, Oakland. L W Strang, wife of Fred N Strang $5,000

HOMESTEADS

ALAMEDA COUNTY

Recorded Amount
Dec. 1, 1921—LOT 10 BLK "S" Map Knowles & Potter Sbdvn of the Kennedy Tract, Oakland. Jermana Pestana $3000
Dec. 1, 1921—W McPHERSON ST. or Ninth St. 200 N Santa Clara Ave N 50xW 125, Alameda. Laura J Strang (wf V N) $5000
Nov. 30, 1921—LOTS 1 AND 2 BLK 16 Map No. 4, Regents Park, Albany. John Krinkel $3000
Nov. 30, 1921—LOTS 14, 15 AND 16 Blk "I" Amended Map Moss Tct, Okd. Addie E Martin (wf J D) $4000
Nov. 30, 1921—PTN PLOTS 19-A & 19-C Map Meek Town Tract, Eden Tp. Gertrude Aronson (wf Max) $4800
Nov. 28, 1921—LOT 10 BLK 4 MAP of Northbrae, Berkeley. I V Burr, wife of Daniel Burr Jr.....$8750
Nov. 29, 1921—POR LOTS 61 & 62 Lull Subd of Vernon Park Tract. Eva M Miller, wife of John T Miller $3,000
Nov. 29, 1921—WEST 15 FT LOT NO 7 E 20 ft. Lot 8, Map No. 2 of Mitchell Tract. L Dawson, wife of Ernest L Dawson.....$4,500
Nov. 23, 1921—N 47 LOT 7 BLK 1 Map Martin Kellogg Ppty, Berkeley. Vida M Foss (wf F W).....$5000

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
NO. 2798 MARSHALL WAY, Sacramento. One-story 5-room dwelling.
Owner—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $3100

DWELLINGS
NO. 3042, 3046, 3050 FREEPORT ST., Sacramento. Three one-story 4-room dwellings.
Owner—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $2250 each

DWELLINGS
NO. 3931 N ST. and No. 1319 39th St., Sacramento. Two one-story 5-room dwellings.
Owner—South Curtis Oaks Co., 1755 Stockton Blvd., Sacramento.
Architect—None.
Day's work. $5500 each

DWELLING
NO.3016 U ST., Sacramento. One-story 6-room dwelling.
Owner—W. C. and Annie Billmer, 809 8th St., Sacramento.
Architect—None.
Contractor—Mendenhall & Foster, 2901 35th St., Sacramento. $3850

DWELLINGS
557 & 649 SAN MEGUL, 616 SAN ANtonio, Sacramento. Three one-story 5-room dwellings.
Owner—L. B. Keller, 1008 8th St., Sacramento.
Architect—None.
Contractor—Thos Hunt, 2826 8th St., Sacramento. $2950 ea.

REPAIRS
1217 "L" ST., Sacramento. General repairs.
Owner—Lizzie Beesley.
Architect—None.
Contractor—Dept. of Public Works, Capitol Bldg., Sacramento. $3193

DWELLING
509 24TH ST., Sacramento. One-story 5-room dwelling.
Owner—A. P. Francis, 2647 Stockton Blvd., Sacramento.
Day's work. $3000

DWELLING
2403 "X" ST., Sacramento. One-story 5-room dwelling.
Owner—Jas. Harrigan, 708 "J" St., Sacramento.
Architect—None.
Day's work. $2000

DWELLINGS
S ½ LOT 8 BLK D, Oak Grove, and No. 3221 6th St., Sacramento. Two 1-story 5-room dwellings.
Owner—B. H. Bill, 3252 Marshall, Sacramento.
Architect—None.
Day's work. $2500 ea.

DWELLINGS
2024 5TH & 2028 5TH, Sacramento. Two 1-story 4-room frame dwellings.
Owner—M. F. Terra, 2315 9th St., Sacramento.
Architect—None.
Day's work. $2200 ea.

REPAIRS
1011 "K" ST., Sacramento. Repairs.
Owner—Empress Theatre Co., San Francisco.
Architect—None.
Contractor—Bartin & Dudley, 619 "J" St., Sacramento. $9000

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Nov. 25, 1921—LOT 2902 ELMHURST, Sacramento. Annie F Beere to whom it may concern..Nov. 17, 1921

Notice of Non-Responsibility

SACRAMENTO COUNTY

Nov. 29, 1921—LOT 3405, Elmhurst. C M Goethe as to improvements on property .....

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
NO. 637 WELDON ST., Fresno. Dwlg.
Owner—J. K. Douglas.
Architect—None.
Contractor—O. D. Atkins, 3328 Lowe St., Fresno. $4800

DWELLINGS
NO. 1201, 1209 & 1217 S-FOURTH ST., Fresno. Three dwellings.
Owner—W. R. Groshell and C. P. Keesling, 3358 Lowe St., Fresno.
Architect—None.
Day's work. $2000 each

DWELLING
1601 THOMAS AVE., Fresno. Dwelling.
Owner—R. Hawthorne, 851 Glenn St., Fresno.
Architect—None.
Contractor—C. E. Buckmaster, 3220 Platt, Fresno. $4000

DWELLING
1222 POTTLE ST., Fresno. Dwelling.
Owner—Mairo Papagni, Fresno.
Architect—None.
Day's work. $4425

ADDITION
CALWA. All work for reinforced concrete addition to ice plant.
Owner—Pacific Fruit Express Co., 65 Market St., San Francisco.
Architect—None.
Contractor — Daniel R. Wagner, Call Bldg., San Francisco.
Filed Nov. 30, '21. Dated Nov. 28, '21.
End of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $52,050
Bond, $39,037.50. Surety, Fidelity Deposit Co. of Maryland. Limit, 35 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Nov. 29, 1921—LOTS 22, 23 BLK 2, Maywood Add., Fresno. Ben F Carter to whom it may concern. .....Nov. 17, 1921
Nov. 25, 1921—LOTS 1 TO 10 BERNhard Tract, Fresno. R C Kennedy to whom it may concern..... .....Nov. 22, 1921

LIENS FILED

FRESNO COUNTY

Recorded Amount
Nov. 25, 1921—LOTS 17, 23, BLK 8 F H B Palm Villa Tract, Fresno. H F Starbuck vs Geo Norvian..$300.00

BUILDING CONTRACTS

SANTA CLARA COUNTY.

COTTAGE
OAK AND LOCUST STS., San Jose. Four-room cottage.
Owner—T. Bastle.
Architect—None.
Contractor—M. M. David, 361½ Vine St., San Jose. $2400

LAUNDRY
ORCHARD AND BALBACH STS., San Jose. Frame laundry.
Owner—Individual Wash Laundry.
Architect—None.
Day's work. $8000

RECORDED

COTTAGE
12TH AND VIRGINIA STS., San Jose, Calif. Four-room cottage.

Owner—Blanche C. Turomnet, San Jose, Calif.
Architect—None.
Contractor—William H. O'Neil, 500 N. 15th, San Jose, Calif.
Filed Nov. 30, '21. Dated Nov. 28, '21.
When roof is shingled.....$630
When finish plaster is on..... 630
When notice of completion is filed 630
Usual 35 days 630
TOTAL COST, $2520
Bond, sureties, forfeit, none; limit, January 28, 1922. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Nov. 25, 1921—HOBSON ST, San Jose, Cal. Board of Education of the City of San Jose to R O Summers. .....Oct. 25, 1921
Nov. 25, 1921—SAN JOSE, Cal. Robert B Johnson to whom it may concern .....Nov. 22, 1921

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

RESIDENCES
WEST MAGNOLIA ST & ON NORTH San Jose, Stockton. Three residences.
Owner—Bozzo & Jeffery, Stockton.
Architect—None.
Day's work. $4000 ea.

RESIDENCE
EAST ADAMS ST., Stockton. Residence.
Owner—H. Stuart Holmes, 1433 N. Center St., Stockton.
Architect—None.
Day's work. $3200

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Nov. 30, 1921—LOT 14 BURLINGAME Hts., Burlingame, Cal. Ernest A Olson to whom it may concern.... .....Nov. 26, 1921
Nov. 26, 1921—IN THE HOMESTEAD adjacent to the Town of San Mateo. Wisnom Lumber Co Inc vs Antoine Alfred Borel $2871.67
Nov. 23, 1921—LOT 30 BLK 41 Easton Add No 3 to Burlingame, Burlingame, Cal. H. J. Hughes to whom it may concern..Nov. 23, 1921

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SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

RELEASE OF LIENS

SAN MATEO COUNTY

Recorded Amount
Nov. 23, 1921—HOMESTEAD NEAR San Mateo on tract of 8.204 acres of land. Frank H. Boring vs Antoine Alfred Borel.....$10,125.57

Notice of Non-Responsibility

SAN MATEO COUNTY

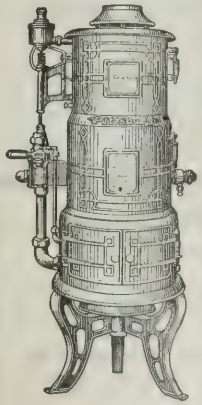
Nov. 30, 1921—LAND IN MENLO PARK. Bertha Rack and Matilda C Welsh as to improvements on property .....

STEEL INGOT OUTPUT SHOWS BIG INCREASE

Production of steel ingots in October by thirty companies whose output represents approximately 84.2 per cent of the country's total was 1,616,810 gross tons, according to the report of the American Iron and Steel Institute. This is an increase of 442,070 tons over September, and is more than double the production of the thirty companies in July, which was 803,376 tons.

October output of 1,616,810 tons for the thirty companies was at the annual rate of approximately 23,000,000 tons for the entire country, or about 41 per cent of rated capacity. This compares with an annual rate of 16,584,000 tons, or 30% capacity in September.

There's enough raw material in this country to provide gasoline for 168 years.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The Most Powerful Made
Safe and Economical
Manufactured on a solid base and do not contain any liquid explosive ingredient.
Will not freeze Will not exude
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Skilled Workmen Prompt Service
Frank J. Klimm
Plumbing
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John L. Clymer Appointed Business Manager of S. F. Builders' Exchange

A new era in the expansion and growth of the work of the San Francisco Builders' Exchange will be marked today with the induction in office of John L. Clymer as executive manager of the Exchange.

Clymer will bring to the work of this organization a rich experience gathered through a period of years devoted to work of this type. At the outbreak of the world war in 1914 he came to the Pacific Coast as the representative of the National Red Cross to make a survey of the situation as it then existed in the western states and lay the foundation for such an organization as might be required in the event of this country being drawn into the great conflict.

From the Canadian boundary to Mexico, Clymer carried the Red Cross message of preparedness into hundreds of communities and created an organization that was ready to function when this country made its decisive step and called upon the people to gird themselves for war.

Subsequently he was active in the organization of the various war loan campaigns, and from this stepped into financial work of a kindred character. Last Spring he lead The Salvation Army's state campaign as director of its appeal for funds and recorded one of the most successful campaigns of this organization since the war.

He comes to the Builders' Exchange from the newly organized Retail Merchants Association, where he served as membership secretary.

Clymer will maintain offices in the Builders' Exchange, 180 Jessie Street, and will be pleased to have members of the various crafts of the building fraternity call on him offering suggestions that might benefit the industry in general.

November Building Totals

The Bureau of Building Inspection of the San Francisco Board of Public Works for the month of November, just closed, reports the issuance of 614 permits representing construction totaling $2,144,606.

Following is a complete report, as issued by the Department:

Class	Permits	Cost
A	2	$ 3,000
C	23	500,250
Frames	172	1,054,755
Public Bldgs.	1	272,851
Alterations	415	313,750
Total	613	$2,144,606

During the month of November, 1920, the Bureau issued 384 permits with an aproximate value of $1,469,940.

STANDING TIMBER IN CANADA

In the whole of Canada there are 1065 billion board measurement feet of standing timber, according to an estimate of the Federal Government. Of this 360 billion feet are located in British Columbia and 200 billion feet in the prairie provinces.

Telephone: West 1726
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Specialists in
COMPRESSED AIR PAINTING AND SAND BLASTING
Builders' Exchange, 180 Jessie St.
2216-18 Fillmore St.,
San Francisco

NEW INSTRUMENT TO DESIGN BRIDGES

A new instrument which it is believed will do away with uncertainty in designing and building bridges has been devised by the Bureau of Public Roads of the Department of Agriculture. The instrument measures, with scientific percision every shock and blow delivered by moving vehicles in crossing a bridge.

The device, which can be attached to any part of the bridge structure, makes a photographic record of the effect of the moving load. The amount of stretching or shortening due to shock is represented by a fine black line on the photograph. No blow or shock can be delivered so quickly that the instrument will not record it.

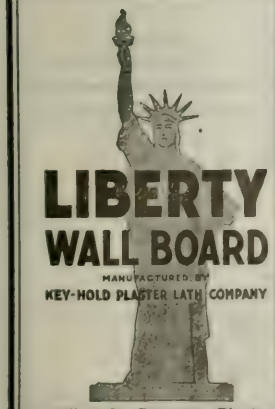
As engineers heretofore have been unable to measure the effect of quickly delivered impacts or to proportion the various parts of a bridge with absolute assurance, it has been necessary to make a liberal allowance for this unknown quantity. In some cases the allowance has not been sufficient and bridges have collapsed under moving loads.

Recent experiments with motor trucks have shown, it is said at the bureau, that a swiftly moving truck may strike a blow equivalent to seven times its actual weight.

TESTS OF FURNACE CASINGS

Fifty tests to determine the proper diameter of furnace casings in warm air furnaces for house heating are planned by the department of mechanical engineering of the University of Illinois. This work is being conducted under a co-operative agreement between the National Warm Air Heating and Ventilation Association and the engineering experiment station of the University. It involves the determination of the efficiencies and capacities of the warm-air furnaces, and a study of the proper conditions of installation and operation so that furnaces may be accurately rated and properly selected to do the work required of them. A permanent staff of at least three full-time men is constantly employed on this work.

The Republic of Georgia, formerly part of Russia, contains 970 miles of railways.



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Liberty Wall Board

Nothing better for inside use in any climate. Has great fire resistance, is sanitary and vermin proof, impervious to sound, moisture, heat and cold.

SIZES AND WEIGHT—¼ inch thick, 32 and 48 inches wide, by various lengths up to 12 feet. 1 2/10 lbs. per square foot.

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148 HOOPER STREET SAN FRANCISCO, CAL.
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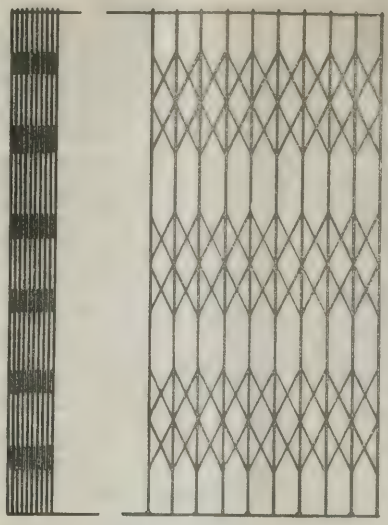

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Building & Engineering News

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Publication Office
560 Mission Street

SAN FRANCISCO, CALIF., DECEMBER 10, 1921

Published Every Saturday
Twenty-first Year, No. 50

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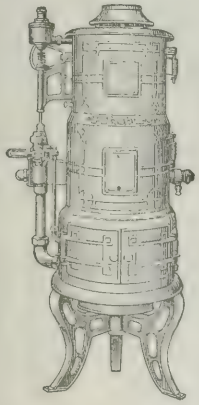

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Automatic Water Heater.

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Manufactured on a solid base and do not contain any liquid explosive ingredient.

Will not freeze — Will not exude

Will not give off noxious gases

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No leaking

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CALIF., DECEMBER 10, 1921 — Twenty-first Year, No. 50

No. 560 Mission Street,
San Francisco, Calif.
MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

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Official Paper of Vallejo Builders' Exchange

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Single Copies 15c

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STATE WATER MEET AT FRESNO, DECEMBER 12TH

December 12 is the date set for a meeting in Fresno of the survey board which is to investigate water problems of the state under the $200,00 voted by the last Legislature for this purpose. The money was secured as the result of pressure of advocates of the Marshall plan. Among those who will attend is B. A. Etcheberry, professor of irrigation of the University of California. Professor Etcheberry is one of the foremost authorities in the country on irrigation, and has been identified with large projects in California, Washington, Oregon and British Columbia. For four years he has served on the assessment board of the drainage district comprising the entire Sacramento and San Jose Valley areas. The State Reclamation Board is the executive body of the district and the eight-million-dollar flood control project which is nearing completion will be assessed against the Sacramento Valley lands, a work in which Professor Etcheberry is engaged.

SAN JOAQUIN COUNTY SURVEYOR FAVORS MACADAM ROADS

County Surveyor F. E. Quail is quoted as stating that he does not regard the concrete highway as the ideal type of road for San Joaquin County at this time. He is quoted as follows:

"By using the oil macadam type we are able to give the people of San Joaquin County twice as much mileage of improved highway and at the same time give them service.

"Furthermore, the oil macadam can be salvaged when the road is torn up, something you cannot very well do with concrete. The roadbeds we are putting in are permanent. When we become better fixed financially we will be in a position to lay the asphaltic top on a concrete base without the expense of constructing a new road.

San Jose Builders Meet in Annual Session

The twenty-third annual banquet of the San Jose Builders' Exchange was held Wednesday, December 7, in the Greek dining room of the Hotel Montgomery. Representatives from various Exchanges throughout the state attended the meeting and subjects of great importance to the gathering were discussed.

One of the principal talks was given by George Gompertz of San Francisco, who spoke on what the American plan has done for that city, not only for the employer, but for the employe as well. He pointed out how money is now going into buildings for investments and that the employer no longer pays tribute to have his work done without interference while the mechanic is now able to work at any rate of speed and has not the burden of dues or assessments as they did under the old system.

S. G. Tompkins, whom President Herman spoke of as the "shepherd" of San Jose, ever ready to work and do good, and who Mr. Herman declared should be put to work "planning our new city, running our county and city governments and even building the new Memorial auditorium," spoke as president of the local Better American Federation. He described this organization, said it educates everyone, creates and fosters a living standard and a better government.

J. K. Nelson of Oakland spoke of the great opportunity Oakland and San Jose are losing by not expanding their city limits so they will meet. He pointed out that a southern city reached out farther and grew large.

A. E. Rowe then delivered an extended address on co-operation and told what the Builders' exchanges of the state stand for.

"The exchanges do not boost prices, deceive the public, fight the workingmen or get the name of robbers," he said. "Instead the exchanges give and want honest treatment. Any investor dealing through the exchange is assured of honest treatment and of low prices, honest competition and a better building for the money expended. The state exchange forces these principles on all locals. They compel all exchanges to give the public free service and maintain their exchanges on dues, without one cent of taxes or other things that will increase the cost of the buildings."

E. H. Noack of Stockton also spoke briefly on the growth of the exchanges during the last few years.

The meeting was one of the best held by the exchanges in a number of years, not only in regard to attendance but also in regard to the enthusiasm shown.

TO STOP HIGHWAY DAMAGE

The California Highway Commission has received an offer from the Supervisors of Orange County to co-operate with the commission in every way possible to put an end to overloading on state and county highways, which is declared to be responsible for great damage to improved roads.

Stockton to Educate Public with Facts Through Exhibit

Free Admission—Theatres Will Display Features on Screen—Committees Appointed to Complete Arrangements.

The Building Material Exhibit planned by the Stockton architects will be held during the week of January 21st-28th, in the Fountain room of Hotel Clark, Stockton.

The object of the exhibit is to place before the general public a comprehensive display of new and modern building materials and new and economical systems and methods of building construction and building efficiency brought out during the past few years, when all energies were bent toward economy and efficiency. Also, to create on the part of the public a general knowledge of the great reductions that have taken place in the prices of nearly all building materials, and in connection therewith to have an interesting display of architectural drawings, photographs and models and to create a general interest in building operations and to impress on the public that now is the time to build, and that the way to have a city is to build one.

In addition to the foregoing, the local theatres will, during the week of the exhibit, run special added features in the form of educational films featuring the production and manufacture of various building materials, also vaudeville at the Colonial theater featuring Roy Hiram Clair and company in "Hiram the Architect" and "Hiram the Builder," with special scenery and stage settings designed by the Stockton Association of Architects.

Entertainment features will be provided at the exhibit rooms every night in the form of interesting talks on building construction, materials, etc., good singing and music every night, and the last night, January 28th, will be devoted to a fancy dress masquerade ball. Admission to the exhibit will be free each afternoon and evening. Admission to the ball will be by invitation only.

The following officers and committees have charge of the exhibit:

Glenn Allen, president, and J. M. Burke, secretary.

Exhibit committee—E. B. Brown, Wm. J. Wright, I. C. Satterlee, Victor Galbrath and L. S. Stone.

Architectural [illegible] E. B. Brown, J. U. Clowdsley and L. S. Stone.

Finance committee—J. U. Clowdsley, Peter La Sala and Franklyn E. Warner.

Publicity committee—J. M. Burke, E. J. Morrical and Frank A. Meyer.

Entertainment committee—Peter L. Sala, Jos. Losekan and Chas. Young.

LUMBER COMPANY BUSY

The Tilden Lumber Co., of Richmond, Cal., reports an unusual run of business. The company has contracts to supply lumber for the Republic Steel Package Plant in the north section of Richmond, for a storage shed at the municipal wharf and the Richmond High school building.

The Observer

Practically every section of the Pacific Coast reports the erection of homes as the most active construction during the month of November Following is a report of building operations from twenty-nine Pacific Coast cities for the past month, as compiled exclusively for BUILDING AND ENGINEERING NEWS:

Los Angeles—4242 permits, **$8,685,775.** Housing construction represents approximately 43.4 per cent of the total number of permits and 64 per cent of the total valuation for the month.

San Francisco—613 permits, **$2,144,606.** Frame buildings erected, mostly residences, flats and apartments, 172 in number; total, $2,144,606.

Portland, Ore.—1082 permits, **$1,374,615.** 616 new buildings, $1,198,820; 466 repairs, $175,795. Residences most active construction. Outlook: good.

Long Beach—390 permits **$1,254,500.** Conditions not reported.

Oakland—646 permits, **$1,235,174.** 532 new buildings, $1,127,323; 114 repairs, $107,851. Home building most active. Outlook: good.

Pasadena—362 permits, **$701,098.** 239 for new buildings, $647,590; 123 repairs, $54,408. Home building most active.

Seattle, Wash.—735 permits, **$593,800.** 413 new buildings, $486,275; 322 repairs, $107,525. Home building most active. Outlook: "steady."

Sacramento—288 permits, **$496,235.** 87 new buildings, $394,809; 201 for alterations and repairs, $101,426. Outlook: good in every way. Home building most active.

Fresno—253 permits, **$405,988.**. 174 new buildings, $320,068; 79 repairs, $85,920. Home building most active. Outlook: good.

Anaheim—79 permits, **$289,937.**. 66 new buildings, $284,437; 13 repairs, $5,500. Outlook: very good.

Santa Barbara—95 permits, **$240,775.** 51 residences, $175,545; 3 commercial buildings, $37,000; repairs, $28,230. Home building most active. Outlook, excellent.

San Jose—89 permits, **$235,210.** 57 new buildings, $210,730; 32 repairs, $24,830. Home building most active. Outlook: very promising, considerable work in most lines being contemplated.

Tacoma, Wash.—263 permits, **$180,542.**. 128 new buildings, $140,540; 135 repairs, $40,002. Residence construction most active. Outlook: good.

Stockton—93 permits, **$165,130.**. 70 new buildings, $154,155; 23 repairs, $10,975. Home building most active. Outlook: very good.

Huntington Park—**$164,139.** Outlook: very good. Home building most active. Steady increase in activities since October.

San Bernardino—78 permits, **$128,525.** 65 new buildings, $105,000; 13 repairs, $23,525. Homes most active construction.

Spokane, Wash.—183 permits, **$118,205.** 136 new buildings, $95,445; 47 repairs, $22,760. Home building most active. Conditions not reported.

Burbank—54 permits, **$117,575,** all new buildings. Stores and apartments, $50,000; dwellings, $67,575. Outlook: good. Total valuation of year to date, $1,008,248.

Bakersfield—42 permits, **$97,405.** 32 new buildings, $90,050; 10 alterations, $7,355. Home building most active. Outlook: very good.

Alameda—69 permits **$84,464.** 21 new buildings, $70,500; 48 repairs, $13,964. Frame homes most active. Outlook: fair.

Palo Alto—30 permits, **$82,357.** Residence construction most active. Total for year to date is $570,019.

Riverside—68 permits, **$81,895.** 45 new buildings, $71,480; 23 repairs, $10,415. Home building most active. Outlook: excellent.

Fullerton—45 permits, **$81,700.**. 41 for new buildings, $76,950; 4 repairs, $4,750. Outlook: very good. Homes and store building most active.

Turlock—**$78,995,** an increase of $55,345 over the same period for 1920. Outlook: good. Several business blocks are contemplated.

Oakdale—11 permits, **$68,000,** all new buildings; $40,000 for new school. Home building most active. Outlook: good.

San Leandro—**$29,300.** Increase of $2,570 over October. Outlook not reported.

Vallejo—66 permits, **$23,518.** 18 new buildings, $7,000; 48 repairs, $16,518. Homes and garages most active construction. Outlook: "nothing extra—will be dull until Spring."

Oxnard—**$13,600.** Home building active. Outlook: "looking up."

Salinas—**$10,912,** $7,500 for new buildings, $3,412 for repairs. Home building most active. Outlook: encouraging.

If $250,000 worth of stock will be taken up on the Peninsula, the Doble Motors Corporation, manufacturers of steam automobiles, will erect a $300,000 plant in Burlingame, according to an announcement of the Three Cities Chamber of Commerce. G. H. Landfield is representing the Doble interests in the proposal.

Members of the Impartial Wage Board, appointed by the Industrial Association of San Francisco, express the belief that the board's final decision on building trades wages could be announced within ten days. The board already has had digests made of the great mass of testimony secured from contractors and union labor representatives during the hearings of the last month.

Directors of the National Lumber Manufacturers' Association, representing the combined membership of twelve regional organizations, have adopted a resolution urging Governor Small of Illinois to immediately complete the waterways link between Lockport and Utica in order that southern lumber may reach Chicago and lake ports by all-water routes at a great saving in freight costs. The cost of transporting lumber by rail exceeds the cost of manufacturing the material, the directors said.

A national gathering of engineers will assemble in Washington, January 5 and 6, to discuss social, technical, economic and political questions, it was announced by Calvert W. Townley, first vice-president of the American Engineering Council of the Federated American Engineering Societies. At this meeting, with practically every state in the country represented, reports will be submitted showing the progress of federation activity in America since the formation of the council under the presidency of Herbert Hoover in November, 1920. Dean Mortimer E. Cooley, recently chosen to succeed Mr. Hoover, will preside.

Articles of incorporation have been filed by the Federal Iron and Steel Corporation of Spokane, Wash. The company is capitalized at $1,000,000. Incorporators are: F. M. Handy, J. C. Haas, A. M. Baldwin, Louis Moss and A. H. Stedman.

Harvey J. Rickard, chief accountant of the Fresno County Road Department, died December 11 at his home, 2909 Illinois avenue, Fresno.

The Cliff Commercial Company has been incorporated to conduct a general export and import business, with offices at 593 Market street, San Francisco. William Schwartz of Myers & Schwartz, electrical jobbers, is president; R. H. Ohea, secretary of the Paraffine Companies, Inc., and W. A. Galvin, insurance, are vice-presidents and Victor W. Galvin, formerly associated with MacDonald & Co., is secretary and general manager.

According to a survey made by the National Lumber Manufacturers' Association, only 410 cities in the United States (27%) have a building law. Of the larger cities (those over 25,000 population) 223, or 80%, have building codes. It is not uncommon for these building codes to be contained in minutes of the common council or in a bulky code of ordinances which is difficult to use for reference, and expensive to purchase.

James Archer, engineer in charge of State Highway construction in Mendocino County, was killed in an auto accident near Cloverdale, December 3rd.

The Sacramento Brick Co., of Sacramento, which is developing toward a 30,000,000 annual capacity, is planning to install new machinery and equipment, not only for the manufacture of brick but roofing material, according to an announcement of H. H. Bartells, manager of the concern.

The Seattle offices of H. B. Pearce, architect, Arcade Building, announces the opening of a Portland office at 418 Board of Trade Building, in charge of R. F. McClelland.

The M. Stulsaft Company, wholesale plumbing concern, has purchased a site, 83 by 100-feet, in Eleventh street between Alice and Harrison streets, Oakland, on which it proposes to locate the Oakland branch.

REPAIRING ASPHALT STREETS IN WINTER

A method of repairing asphalt pavements during the winter months, when municipal and county asphalt plants usually are closed down, has been evolved with success by Charles L. Harrison, engineer in charge of street repairs at Cincinnati.

The old asphalt pavement is removed from the streets and hauled to the yards during the regular working season, the pavement being broken down to approximately two and one-half inches. The heating plant consists of four horizontal four-wheeled kettles, each of one-hundred-gallon capacity. The old asphalt, broken to proper size, is placed in the kettles in the afternoon and the fire started at 5 o'clock the next morning. Four or five gallons of water are added and the covers are placed on the kettles. After being allowed to steam for half an hour the mixture is turned over with heavy bars, is spaded at one end and then allowed to steam again. The operation is repeated until at the end of three hours the water has evaporated and the mixture is ready for use at a temperature of 325 to 375 degrees Fahrenheit. It is then transferred to another kettle under which a hot fire has been built, and is hauled therein to the street where it is laid in the same manner as "new stuff," except that it is tamped into place instead of being rolled. The four kettles are never allowed to be more than half full, as the mixing cannot be done in an economical manner if the kettles are full.

The force engaged in breaking, heating and laying the asphalt in Cincinnati consists of only seven men, who are kept during the winter as the nucleus for the spring force and a driver for a two-horse wagon. No additional bitumen or dust filler is added to the old asphalt and the cost is slightly less than the average cost per square yard for repairs with new material.

TWO BILLION FEET ALASKAN PULPWOOD OFFERED FOR SALE

Two billion feet of Alaskan pulpwood, the largest amount of National Forest timber ever offered for sale, is described in a prospectus recently issued by the Forest Service, United States Department of Agriculture.

The timber is within the Tongass National Forest, on the west side of Admiralty Island, and covers about 90,000 acres with a frontage of 48 miles on navigable water, and 24 miles by boat from Juneau and 900 miles from Seattle. Four-fifths of the timber is western hemlock and one-fifth Sitka spruce, both of which make excellent grades of paper, as has been demonstrated by the mills of Oregon and British Columbia.

The sale period will be thirty years, and a large plant will be required to utilize all the timber within that time. The sales contract requires that a pulp manufacturing plant of not less than 100 tons daily capacity shall be established in Alaska by the purchaser within three years. This section of Alaska has many unappropriated power sites of suitable capacity for large pulp and paper plants.

The need of developing our pulp industry is emphasized by forestry experts who point that although prior to 1909 all the paper consumed in this country was manufactured here, in 1920 two-thirds of the newsprint used in the United States was made from timber grown on foreign soil. Reduced to dollars and cents this represents an annual payment of $191,000,000 for pulp wood, wood pulp and paper which this county has been obliged to import due to lack of raw material available to existing pulp mills.

A partial solution of this problem, state foresters, lies in establishing pulp mills in Alaska, where there is new a large supply of spruce and hemlock, and where wood can be grown at a rate sufficient to furnish indefinitely one-third of the present American newsprint requirements.

More than 60 per cent of the factory workers in Japan are women.

Immigration and Housing Commission Urges More and Better Homes

"More and better homes" is the slogan of the California Commission of Immigration and Housing, which is rendering invaluable assistance to the various municipalities of the State in their efforts to improve housing conditions and to make it possible for the workingman to acquire a comfortable and attractive home at a minimum cost.

As a part of the housing program of the commission, Edward Glass, State Director of Housing, a practical architect who ranks high in his profession, has evolved a type of bungalow, consisting of four rooms and bath, of fireproof construction and modern in every respect, that can be constructed at a total cost of $1400.

This particular type of dwelling was planned especially for Bakersfield and vicinity, where frequent disastrous fires caused the city officials to seek the assistance of the California Commission of Immigration and Housing in solving their housing problem.

Suitable Anywhere in State

However, according to Glass, this type of bungalow is suitable for a home in any part of the State and should not cost more than his estimate of $1400.

In investigating conditions in Bakersfield, Glass said he discovered that many of the fires in homes were caused by Mexicams. As Glass' plans call for absolutely fireproof construction, including the floors, all danger from fire will be eliminated.

The plans provide for a combination kitchen and dining-room, a living-room two bedrooms and a bath.

Under the direction of Edward Glass, State Housing Director, assisted by Leo T. Mott, Chief Housing inspector, a housing survey is being conducted in San Jose by the Housing Inspector of that city with a view to eliminating the dark, inside rooms in apartment houses, flats and lodging houses.

This is part of a state-wide program planned by the commission, which volunteers its services to any city or town desiring to improve its housing conditions.

Many cities have already availed themselves of the proffered assistance of the commission, with the result that housing conditions have been greatly improved and plans have been perfected for more sanitary and attractive type of dwellings in the future in several cities of the state.

Brings Better Civilization

Convinced that the home is the basis of all civilization and that better homes make for a better civilization, the Commission of Immigration and Housing is making an exhaustive investigation of the practicability of the State of California making loans to workingmen to acquire and build homes.

This is in line with the provisions of a bill introduced in the Legislature at its last session by Senator Lawrence J. Flaherty of San Francisco.

In its investigation, the commission has already made a study of plans, similar to those proposed by Senator Flaherty, that are now in operation and in some instances have been since 1850, in every country in Europe as well as Australia and Central American countries; also in several states in the United States.

Out of this investigation, the commission hopes to evolve a practical plan for assisting workingmen in acquiring homes, and to make a report and recommendations on the subject to the next Legislature.

"The people of any nation are no better or no worse than the homes in which they live," is the contention of Paul Scharrenberg, a member of the California Commission of Immigration and Housing, who says, "the home is the basis of all civilization, and the best way to improve civilization is to improve the housing conditions of the people." The same views are entertained by Archbishop Edward J. Hanna and other members of the commission.

It is the hope of every member of the commission that the State of California will make it possible for every workingman to own his own home, and that the home shall be sanitary, commodious and attractive.

Model Camps

The Commission of Immigration and Housing points with particular pride to the results achieved in its work of cleaning up and making sanitary and attractive workingmen's camps, such as construction and highway camps and housing conditions in the seasonal industries, such as fruit and hop picking, and the canning and packing of fruit and vegetables.

Without fear of contradiction, the Commission of Immigration and Housing declare that conditions in such camps are the best to be found anywhere in the world and serve as models for all other states in this country and the countries of Europe, Australia, Central and South America.

This particular work of the commission is and has been for years under the personal direction of Edward Brown, a San Francisco workingman, who has gained a national reputation as an expert in this special field of endeavor and who has refused many flattering offers from big corporations to leave the commission and enter their employ as an industrial and housing manager.

REDUCTION IN PRICE OF CLAY PRODUCTS

Clay products are being reduced in price in the New Philadelphia, Ohio, district. Quotations on building block and hollow ware have dropped from 10 to 15 per cent in the last week. Brick for ornamental purposes has declined from 10 to 20 per cent. Sewer pipe dropped from 5 to 10 per cent. Firebrick has declined 50 per cent in the last year.

Building News Section

APARTMENT HOUSES

Plumbing and Heating Contracts Awarded.
APARTMENTS Cost, $525,000
SAN FRANCISCO. NW Washington & Gough Sts.
Seven-story and basement reinforced concrete apartments.
Owner — Two Thousand Washington Street, Inc.
Architect—C. A. Meussdorfer, Humboldt Bank Bldg.
Plumbing to C. Petersen Co., 730 Larkin St., $14,045.
Heating to Scott Co., 243 Minna St., $6,924.

Plans Complete.
APARTMENTS Cost, $12,000
OAKLAND, Alameda Co., Cal. Lakeshore Avenue.
Two-story frame and plaster apartments (4 apts.)
Owner—Joseph Sinai.
Architect—Jas. T. Narbett, Syndicate Bldg., Oakland.

Plans Being Prepared.
APT. HOUSE Cost, $45,000
SAN FRANCISCO. Mission District.
Three-story frame apt. house (fifteen 2, 3 and 4-room apts.).
Owner—Name withheld.
Architect—W. F. Gunnison, 1666 Golden Gate Ave.

Plans Being Figured.
APT. HOUSE Cost, $45,000
SAN FRANCISCO. NE Leroy and Sacramento.
Three-story brick and frame apt. house eighteen 2 and 3-room apts.).
Owner—Name withheld.
Architect—W. F. Gunnison, 1666 Golden Gate Ave.

Contract Awarded.
APARTMENTS Cost, $13,500
BERKELEY, Alameda Co., Cal. SW Hillegass and Ashby Avenue.
Two-story 16-room frame apartments.
Owner—Mr. Jeffery, San Leandro.
Architect—None.
Contractor—Edw. Larmer, 90 Fairview Ave., Piedmont.

Segregated Figures Being Taken.
STORE & APMNTS Cost, $75,000
MARYSVILLE, Yuba Co., Cal.
Five-story brick store and apartment house (15 four-room apts.)
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Contract Awarded.
APARTMENTS Cost, $26,000
SAN FRANCISCO. Van Ness Avenue between Vallejo and Green Sts.
Three-story and basement frame, stucco and brick veneer apartment house (11 2-room apts.).
Owner—Mrs. Louise Thomas.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractors—Kincannon & Perego, 159 Sutter St.

To Be Done By Day's Work.
APARTMENTS Cost, $20,000
SAN FRANCISCO. North Point 137-6 E Hyde St.
Three-story and basement frame (12) apartments.
Owner—C. S. Allred, 159 Liberty St.
Architect—None.

BANKS

Figures To Be Taken Next Week.
BANK & OFFICE BLDG. Cost, $——
VAN NUYS, Cal.
Two-story brick bank and office bldg.
Owner—Bank of Van Nuys.
Architect—Allison & Allison, 1405 Hibernian Bldg. Los Angeles, Cal.

LODI, San Joaquin Co., Cal.—Application for a national charter has been filed at Washington for the proposed Citizens National Bank of Lodi. It will have a paid up capital of $100,000, with a surplus of $50,000. Sites are being considered by the directors, whose names have not yet been announced, on which it is proposed to erect a modern banking structure. Jno. B. Cory and Wilson H. Thompson, formerly connected with the First National Bank of Lodi are interested.

BONDS

OROVILLE, Butte Co., Cal.—Petitions will be presented to the City Trustees seeking an election to vote bonds to finance construction of a lighting system and a municipal electric distributing system. The petitions will ask the city board to secure estimates of costs on such improvements immediately.

HOLLISTER, San Benito Co., Cal.—An election will be held January 17th to decide the question of issuing and selling bonds of $32,000 to finance the construction of a soldiers' war memorial.

PARADISE, Butte Co., Cal.—Until December 28, 11 A. M., bids will be received by G. C. Bille, Secretary, Paradise Irrigation District, for the purchase of $70,000 in bonds to finance construction of improvements in the district.

FAIRFIELD, Solano Co., Cal.—Bonds of $10,000 of Hunter School District has been sold by the Supervisors, proceeds of sale to finance construction of a new school building. Supervisors also sell $4,000 bond issue of Falls School District, proceeds of sale to finance improvements.

STOCKTON, San Joaquin Co., Cal.—Bonds totaling $104,000 to finance construction of new schools and additions to standing structures have been sold by the Stockton High School District for a premium of $727. Davis-Heller & Pearce Co., Delta Bldg., Stockton, are the supervising architects.

MARYSVILLE, Yuba Co., Cal.—City Council at its last meeting discussed proposal to call election to bond for $150,000 for Ellis Lake improvements and paving street intersections. W. M. Meek, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—December 28 is date set in Hester School District to decide the question of issuing and selling bonds of $13,000 to finance construction of a new school building. Trustees of the District are: G. A. Bean, Paul Rudolph and Vivian Losse Blair.

REDWOOD CITY, San Mateo Co., Cal.—Supervisors have sold balance, $14,000 block, of $70,000 bond issue of Burlingame School District for a premium of $89.60. Proceeds of the sale are to finance school improvements from plans of Architect Ernest L. Norberg, Bankers' Investment Bldg., San Francisco.

REDWOOD CITY, San Mateo Co., Cal.—Bids have been ordered received by the County Supervisors for the purchase of the $360,000 bond issue of the San Mateo Union High School District; proceeds of the sale to finance construction of a new high school.

Bids for the purchase of the $200,000 issue of the San Mateo Grammar School District will be received on the same date. Proceeds of this sale will finance school improvements.

TUCSON, Ariz. —A bond issue of $250,000 to complete the Ajo-Yuma road is being agitated by the Chamber of Commerce.

FACTORIES & WAREHOUSES

Sub-Figures to be Taken Shortly by Owner.
ICE PLANT. Cost, $75,000
SACRAMENTO, Cal. SE 13th and S Streets.
One-story brick ice plant, 80x160 (20 feet high).
Owner—A. B. Atkinson, 3526 5th Ave., Sacramento.
Architect—F. A. S. Foale, Sacramento.

Sub-Figures to be Taken Shortly.
CONCRETE BLDG. Cost, $75,000
OAKLAND, Alameda Co., Cal. N 11th St. bet. Alice and Harrison Sts.
Two-story reinforced concrete building (wholesale plumbing supplies)
Owner—The M. Stulsaft Co., 647 Mission St., San Francisco.
Architect & Contractor—H. P. Hoyt, Monadnock Bldg., San Francisco.

Contract Awarded.
COFFEE ROASTING PLANT Cost, $12,000.
SAN FRANCISCO. S Mission 325 W Seventh Street.
One-story concrete coffee roasting plant.
Owner—Mrs. E. S. Wilson, 766 Market St., San Francisco.
Architects—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—MacDonald & Kahn, 130 Montgomery St., San Francisco.

Specifications Approved—Bids to Be Asked Shortly.
WAREHOUSE, ETC. Cost, $2,500,000
SAN FRANCISCO. Area between Embarcadero, China Basin, 3rd and Berry Sts.
Six - story reinforced concrete warehouse, 122x812; sea wall, railroad tracks, etc.
Owner—State of California.
Architect—Frank G. White, Ferry Bldg., San Francisco.
Specifications for the project have been approved and are being printed. Bids for the foundation work will be asked in the immediate future. Struc-

ture will have concrete caissons on outer side with concrete and green piles inside. Twelve freight elevators will be installed, each 9x15 ft. Gantry cranes, roof cranes and spiral chutes will be installed.

Contract to be Awarded.
WAREHOUSE Cost, $30,000 approximately.
SAN FRANCISCO. Corner Second and Stillman Streets.
Two-story and mezzanine reinforced concrete warehouse.
Owner—Willard Storage Battery Co.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.

Plans To Be Complete End of This Month.
PAINT PLANT Cost, $100,000
FRESNO, Fresno Co., Cal. Los Angeles and M Sts.
Two-story concrete and stucco paint jobbing (branch) plant, 145x244 ft.
Owner — W P. Fuller Co., Beale and Mission Sts., San Francisco (Chas. O. Norton, San Joaquin Valley Representative).
Architect — Eugene Mathewson, Cory Bldg., Fresno.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.

SAN FRANCISCO—The Board of State Harbor Commissioners received the following bids on December 1st for furnishing and installing steel rolling or steel lift doors in Bulkhead Building, Pier 5, on the waterfront of San Francisco.

All bids were taken under advisement until December 8th.

Waterhouse-Wilcox Co.	$6,973
Pacific Materials Co.	7,939
J. Edward Ogden Co.	9,195

TACOMA, Wash.—Until Dec. 29, 2 P. M., bids will be received by G. W. Osgood, manager and engineer for Port of Tacoma Commission, 612 Tacoma Bldg., for constructing transit shed on Pier No. 2, first unit of the port terminals. Structure 1040 feet long, 180 feet wide, concrete and tile with timber trusses and roof. Plans may be had from engineer on deposit of $75.

MADERA, Madera Co., Cal.—E. Y. Foley, through S. Canatella of Madera, announces he will build a fruit packing plant in this city employing between 100 and 150 women. The structure will be of brick construction.

VALLEJO, Solano Co., Cal.—A. W. Kitchen Co., 110 Market St., San Francisco, at $3470, submits low bid to City Council for repairing city wharf at foot of Virginia St. Healy, Tibbetts Co., 9 Main St., San Francisco, bid $3485. Perry Lumber Co., Vallejo, low bidder for lumber at $938. Only other bidder, Vallejo Builders' Supply Co., Vallejo, $1,350. Bids referred to City Engineer T. D. Kilkenny for report.

FRESNO, Fresno Co., Cal.—Elmer H. Cox, President of the Sugar Pine Lumber Co., has notified the Fresno Chamber of Commerce that the proposed $5,000,000 mill of the company will be located on a 575-acre tract on the S. Joaquin river. Project includes the construction of a $2,500,000 railroad.

SAN MATEO, San Mateo Co., Cal.—The Doble Motors Corporation, manufacturers of the Doble steam automobile, is conferring with the Three Cities Chamber of Commerce regarding the establishing of a plant in Burlingame east of the Southern Pacific Company's right-of-way. The plant will be located in North Burlingame near Easton, and $250,000 worth of stock is taken up on the Peninsula. A $300,000 plant is contemplated, according to G. H. Landfield, representing the motors corporation.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, contemplating an appropriation to finance construction of a municipal warehouse at the foot of Water or Franklin streets.

FIREHOUSES AND JAILS

Commissioned to Prepare Plans.
REMODEL JAIL Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Remodeling interior of County Jail.
Owner—County of Santa Clara, Henry A. Pfister, Clerk.
Architect—Binder & Curtis, 255½ S-1st St., San Jose, Cal.

EL CERRITO, Contra Costa Co., Cal.—City Trustees are planning construction of a "steel tank" for a jail building. Marshal A. H. MacKinnon has been instructed to secure estimates of cost.

SANTA ANA, Orange Co., Cal.—Edw. C. English, Citizens National Bank Bldg., Los Angeles, was low bidder at $99,900 on the general contract for the new county jail building at Santa Ana for Orange County. John Parkinson and Donald B. Parkinson, 420 Title Insurance Bldg., Los Angeles, are the architects. Low bidders on other contracts were: S. Hill & Son, Santa Ana, on plumbing and heating combined at $35,965; Brombacher Iron Works on jail cells at $81,710; and Burnett Mfg. Co. on elevators at $3098 and dumb waiter at $975. The building is to be of reinforced concrete construction. The bids received by the Board of Supervisors were:

General Contract—Edward C. English, $99,900; Frank Hudson, $110,989; John Simpson & Co., $117,427; C. McNeil, $121,000; Dow Constr. Co., $121,800; Lange & Bergstrom, $131,000; and J. C. Bannister, $132,800.

Heating and Ventilating—S. Hill & Son, $10,972; Thos. Haverty Co., $11,050; John McFadden, $11,207; Jas. A. Nelson, $12,755; Arthur Hess, $14,500.

Plumbing—Thos. Haverty Co., $25,195; John McFadden, $25,490; S. Hill & Son, $25,493; Arthur Hess, $26,600.

Jail Cells—Brombacher Iron Works, $81,710; Pauly Jail Bldg. Co., $85,400; Van Dorn Iron Works, $85,550.

Elevators—Burnett Mfg. Co., $3098 for elevators and $975 for dumb waiter; Otis Elevator Co., $5485 for elevator and $2407 for dumb waiter; Llewellyn Iron Works, $7855 for both; and Van Emon Elevator Co., $7900 for both. Bids taken under advisement.

FLATS

Contracts Awarded.
FLAT BLDG. Cost, $——
SAN FRANCISCO. E 22nd Ave. 150 N. Lake St.
Two-story and basement frame and plaster flat bldg (two 7-room mission style).
Owner—G. McDonald.
Architect—Kenneth MacDonald Jr., 234 Pine St.
Carpenter work to Matthies & Gale, 180 Jessie St.
Electric work, Crescent Elec. Co., 289 8th St.
Roofing, Malott & Peterson, 2412 Harrison St.
Painting, H. Graper, 40 Fallen St.
Plumbing, J. H. Pinkerton, 180 Jessie Street.
Heating, J. H. Pinkerton
Lathing and Plastering, Patrick O'Brien.

Contract Awarded.
FLATS Cost, $16,000
SAN FRANCISCO. SW Lake and 24th Avenue.
Two-story and basement frame (4) flats.
Owner—W. F. Wilson, 3337 Clay St., San Francisco.
Architect—None.
Contractor—A. J. Falvey, 2099 Lake St., San Francisco.

Contract Awarded.
FLATS Cost, $14,000
SAN FRANCISCO. SE California Street and Thirtieth Avenue.
Two-story and basement frame (4) flats.
Owner—Harry Wallach.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco.

Contract Awarded.
FLATS, ETC. Cost, $10,000
OAKLAND, Alameda Co., Cal. N E-14th St. 75 W 34th Avenue.
Two-story reinforced concrete flats and stores.
Owner—Jos. Le Barce, Willitts, Calif.
Architect—None.
Contractor—J. B. Petersen, 2053 38th Ave., Oakland.

Contract Awarded.
FLAT BLDG. Cost, $10,700
OAKLAND. W. Wakefield Ave. 120 N Wickson.
Two-story 12-room flat bldg.
Owner—C. C. Meyers, 4302 West St., Oakland.
Architect—Not given.
Contractor—A. T. Hendricks, 47 Fairview Ave., Piedmont.

GARAGES

Contract Awarded.
GARAGE Cost, $20,000
OAKLAND, Alameda Co., Cal. S Fourth St. 60 E Broadway.
One-story concrete garage.
Owner—Buzzone Estate, 2d and Franklin Sts., Oakland.
Architect—None.
Contractor—H. J. Christensen, Federal Bldg., Oakland.

Plans Being Prepared.
GARAGE Cost, $25,000
SANTA CRUZ, Cal.
One-story reinforced concrete garage.
Owner—Andy Balich.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Hamilton & Church, Santa Cruz, Cal.

Figures to be Taken This Week.
COM GARAGE Cost, $40,000
SAN FRANCISCO W Jones Street 75 N O'Farrell Street.
One-story and basement reinforced concrete commercial garage.
Owner—R. W. Kern.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Figures will be taken for a general contract.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO.—Until Dec. 15, 10 A. M., under Circular No. 22-32 bids will be received by Quartermaster Supply Officer, Fort Mason, for fur. and del. 5,000 ft. B. M. spruce lumber, 1-in.x 4-in., 12 and 14-ft., s2s; 10,000 ft. B. M. O. P. lumber; 5,000 ft. 1-in.x6-in., s1s, and 5,000 ft. 1-in.x12-in. s2s; 10,500 lbs. cotton waste; 50 5-in. lap joint pliers; 8 sewer flushing pipes.

SAN FRANCISCO.—Until Dec. 9, 11 A. M., under Order No. 3426, bids will be received by U. S. Engineers' Office, 240 Montgomery St., for fur. and del. wharf, Rio Vista, Solano County, 1,000 lbs. babbitt grade No. 4; approximate composition, 85% lead and 15% antimony.

WASHINGTON, D. C.—R. E. C. Backenhus has been named Acting Chief of the Bureau of Yards and Docks, Navy Department, succeeding Admiral Chas. W. Parks, who has been retired as a Rear Admiral.

WASHINGTON, D. C.—Until December 16, 10:30 A. M., bids will be received under Circular No. 1462, by the Panama Canal Commission, for the purchase of scrap metal approximately 205,000 lbs. scrap brass and 35,000 lbs. copper and bronze screenings, delivered f. o. b. dock, New York Harbor.

WASHINGTON, D. C.—Eureka Boiler Works, Eureka, Cal., awarded contract by Bureau of Yards and Docks, Navy Department, to construct 300-ft. radio tower at Eureka, Cal., under Specification No. 4533. Accepted bid: Item 1, $6,890, time for completion 150 calendar days; unit price for Item 4, 6.7 cents per lb. for steel in excess of 60,000 lbs.

C. F. Martens, 4120 Dayton Ave., Seattle, Wash., awarded contract to erect 200-ft. radio tower at Keyport, Wash., under Specification No. 4538. Accepted bid: Item 1, $5,713; time for completion 120 days; item 2, 10 cents per lb.

WASHINGTON, D. C.—The following bids were received by the Supervising Architect, Treasury Department, for installing mechanical equipment in U. S. Public Health Service Hospital, Walla Walla, Wash.: G. E. Engineering Co., 449 W. 42nd St., New York City, $178,500; Austin Engineering Co., 121 W. 42nd St., New York City, $223,375.

WASHINGTON, D. C.—W. C. Merritt Co., 727 7th St., San Diego, Cal., submits only bid to Bureau of Yards and Docks, Navy Department, Specification No. 4551, for drinking fountains and water coolers at Marine Corps Base, San Diego: item 1, $3,967, 60 days; item 2, $132.25.

WASHINGTON, D. C.—The budget sent to Congress carries an appropriation of $400,000 for flood control of the Sacramento River and $1,213,000 for the Klamath Irrigation project in California and Oregon. For the Newlands Irrigation project in Nevada, $1,488,000 is asked. Fort Bidwell and Greenville Indian schools each get $30,000. Modoc Point, Sand Creek, Fort Creek and Crooked Creek Irrigation projects, on the Klamath Reservation, are allotted a total of $8,600. Recommendation that $100,000 be expended for an addition to ammunition depot at Mare Island and that $300,000 be expended for dikes and rebuilding quay walls and wharves is also contained in the budget reports. For Alameda it is recommended that $100,000 be expended for preliminary work for the development of a fleet base and also the acceptance of the gift of 5,340 acres of land.

Sealed proposals will be opened by the superintendent fo lighthouses, San Francisco, at 2 o'clock p. m., (date not set), for constructing hollow tile dwellings and fog signal building at Point Vincente, Calif. Information on application.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Shedule 9106, various eastern and western yards, a miscellaneous quantity of ranges and spare parts, etc., Dec. 27.

Schedule 9110, various eastern and western yards, a miscellaneous quantity of steel pipe, Dec. 27.

Schedule 9112, Mare Island, 15,000 feet copper wire cloth, Dec. 27.

Schedule 9115, Mare Island, 75 reams emery cloth, Dec. 27.

Schedule 9133, various eastern and western yards, 195,000 pounds boiler compound, Dec. 27.

Schedule 9134, various eastern and western yards, a miscellaneous quantity of white cotton waste, Dec. 27.

Schedule 9135, various eastern and western yards, a miscellaneous quantity of hair felt, Dec. 27.

Schedule 9138, Mare Island, 300 cubic feet building sand, 3500 cubic yards broken stone and screenings, 1000 cu. yards gravel and 3000 cubic yards bank sand, Dec. 27.

Schedule 9139, various eastern and western yards, a miscellaneous quantity of cotton insulating tape and a miscellaneous quantity of rubber insulating tape, Dec. 27.

Schedule 9140, various eastern and western yards, a miscellaneous quantity of flashlights and batteries, Dec. 27.

Schedule 9141, various eastern and western yards, a miscellaneous quantity of calcium magnesium chloride, Dec. 27.

Schedule 9142, various eastern and western yards, a miscellaneous quantity of dry cells, Dec. 27.

Schedule 9143, various eastern and western yards, a miscellaneous quantity of toilet paper, Dec. 27.

Schedule 9144, various eastern yards, 175 rolls template paper, Dec. 20.

Schedule 9145, various eastern and western yards, 42,000 deck scrub brushes, Dec. 27.

Schedule 9146, various eastern and western yards, a miscellaneous quantity of rubber pump valves, Dec. 27.

Schedule 9147, various eastern and western yards, a miscellaneous quantity of marine glue, Dec. 27.

Schedule 9148, various eastern and western yards, a miscellaneous quantity of gum gaskets, Dec. 27.

Schedule 9152, various eastern and western yards, a miscellaneous quantity of Portland cement, Dec. 27.

Schedule 9154, various eastern and western yards, a miscellaneous quantity of steel wire nails, Jan. 3.

Schedule 9159, various eastern and western yards, a miscellaneous quantity of magnesia pipe covering, etc., Dec. 27.

Schedule 9160, Mare Island, 3000 gallons spar varnish, Dec. 27.

Schedule 9162, various eastern and western yards, a miscellaneous quantity of electric wire and cable, Dec. 27.

Schedule 9163, Mare Island, 30 storage batteries, Dec. 27.

Schedule 9164, various eastern yards, a miscellaneous quantity of electric wire and cable, Dec. 27.

WALLA WALLA, Wash. — Berg-Griggs Co., Tacoma, Wash., at $121,375, submits low bid for plumbing, heating and wiring U. S. Public Health Service buildings at Fort Walla Walla. Bids were also opened at Washington, D. C., by the Supervising Architect's Office. Other bids received at Walla Walla were: Sutherlin & Co., Walla Walla, $136,076; Eckart Plumbing & Heating Co., Seattle, $139,889; Finnegan-William Co., Portland, Ore., $157,945. Sedley Chaplin of the Supervising Architect's Office is in Walla Walla to handle construction.

WASHINGTON, D. C., The contract for the construction, complete (except mechanical equipment), of semi-ambulant quarters, ambulant quarters, and boiler and laundry building, including stack, etc., at the U. S. Public Health Service Hospital, Walla Walla, Wash., has been awarded to J. H. Wiese, W. O. W. Bldg., Omaha, Neb., at $123,880. Work to be completed in six months.

HALLS AND SOCIETY BUILDINGS

PALO ALTO, Santa Clara Co., Cal.—Palo Alto Parlor of the Native Sons of the Golden West has purchased the post office block and will remodel the second floor of the structure for lodge and club room purposes. The building is located at Emerson and Hamilton avenue. The exterior of the building will also be remodeled.

VALLEJO, Solano Co., Cal.—Vallejo Post, No. 104, American Legion, with other organizations is planning a campaign for funds to finance construction of a war memorial home. Committees will be named in the immediate future to handle the campaign.

HOSPITALS

Contract Awarded.
WARD BLDGS. Cost, $289,930
SACRAMENTO, Cal. County Hospital Grounds.
Erection and completion of (1) Service and Children's Ward; (2) Infectious Ward; (3) Women's Ward and Men's Medical Ward Buildings.
Owner—County of Sacramento, Harry W. Hall, County Clerk.
Architect—R. A. Herold, 430-37 Forum Bldg., Sacramento.
Contractor—Wm. C. Keating, 1714 27th St., Sacramento.
Contracts were awarded as follows: (1) $122,850, (2) $88,460, (3) $78,620.

Commissioned to Prepare Plans.
ADDITION Cost, $60,000
SAN JOSE, Santa Clara Co., Cal. County Hospital Grounds.
Three-story and basement reinforced concrete service building (addition); laundry, engine room, cold storage plant, X-Ray rooms, laboratories, etc.
Owner—County of Santa Clara, Henry A. Pfister, Clerk.
Architects—Binder & Curtis, 255½ S. First St., San Jose.

Figures To Be Taken in February.
HOSPITAL BLDG. Cost, $100,000
YREKA, Siskiyou Co.
One-story reinforced concrete hospital building.
Owner—Siskiyou County.
Architect—Geo. C. Sellon & Co., Mitau Bldg., Sacramento, Cal.

Plans Completed.
X-RAY LABORATORY Cost, $19,200
SAN FRANCISCO. Block bounded by Fell, Lyon, Hayes and Baker Sts.
One-story brick X-Ray laboratory.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Architect—J. H. Christie, 65 Market St., San Francisco.

HANFORD, King Co., Cal.—County Surveyor Roy May has been directed to prepare plans for a four-room pest house to be erected on the county hospital grounds.

HOTELS

Plans Being Prepared.
HOTEL BLDG. Cost, $175,000
TAHITI
Five-story reinforced concrete hotel bldg, 150 rooms.
Owner—Withheld.
Architect—Albert Fabre, 110 Sutter St., San Francisco.

Additional Contracts Awarded.
HOTEL BLDG. Cost, $250,000
EUREKA, Humboldt Co., Cal.
Three-story frame hotel, 100 rooms (Eureka Inn).
Owner—Eureka Hotel Co.
Construction Manager—Frederick Whitton, 369 Pine St., San Francisco.
Painting—A. A. Zelinsky, 1735 McAllister St., San Francisco, $7485.
Heating and Plumbing (Combination bid)—J. H. Pinkerton, 180 Jessie St., San Francisco, $80,876.
Plastering—Herman Bosch, 180 Jessie St., San Francisco, $19,200.
Tile Work — Mangrum & Otter, 827 Mission St., San Francisco, $——

Preliminary Plans Being Prepared.
HOTEL BLDG. Cost, $500,000
FRESNO, Fresno Co., Cal. Tulare St. and Broadway (Hughes Hotel).
Ten-story reinforced concrete hotel (300 rooms, 150 bathrooms and a store).
Owner—Fred Dodd and F. W. Williams.
Architect—B. G. McDougall, 381 Bush St., San Francisco.

Plans Being Prepared.
HOTEL ANNEX, ETC.
Cost, $750,000 approximately.
SAN FRANCISCO. SE Geary and Taylor Sts, facing Geary St.
Fourteen-story Class "A" annex for Clift Hotel (200 rooms) and remodel residence into tea rooms, etc.
Owner—Clift Hotel Co. (Fred C. Clift, president).
Architect — George A. Applegarth, Claus Spreckels Bldg.
Construction will not be started for about a year on the hotel. However, work on remodeling the Dr. Allen residence into a tea room and dining rooms will be started immediately.

PUBLIC BUILDINGS

STOCKTON, San Joaquin Co., Cal.—City Council has approved specifications for constructing two tennis courts in Oak Park; estimated to cost, $4,800. Plans were prepared by City Engineer W. B. Hogan.

YUBA CITY, Sutter Co., Cal.—Yuba County Grand Jury recommends the construction of a vault in the County Treasurer's office. Funds and county documents are now stored in banks of the city.

MADERA, Madera Co., Cal.—Property at D and Fifth Sts., 150 by 150 ft., has been purchased by City Trustees, on which it is proposed, at a later date, to erect a permanent city hall and municipal auditorium. The Trustees recently let a contract for a temporary city hall and firehouse, plans for which were prepared by Architects Swartz & Ryland, Rowell Bldg., Fresno.

BAKERSFIELD, Kern Co., Cal.—S. Keutzner & Co., Bakersfield, submitted low bid to the Supervisors for the construction of libraries at (1) Wasco and (2) Maricopa. (1) $9,649; (2) $9,415. Currie & Dulgar, Bakersfield, bid $19,000 for both structures. Bids were taken under advisement. Chas. Biggar, First National Bank Bldg., Bakersfield, is the architect.

FRESNO, Fresno Co., Cal.—Until January 4, 2 P. M., bids will be received by D. M. Barnwell, County Clerk, for constructing two public comfort stations in Courthouse Park. **See call for bids under official proposal column in this issue.**

RESIDENCES

Sub-Figures Being Taken.
BUNGALOW
SAN JOSE, Santa Clara Co., Cal. 5th and Williams St.
One-story frame and plaster bungalow (6 rooms).
Owner—J. T. Corpstein, Saratoga.
Architect and Contractor—Hastings Bros., 524 E-St. James St., San Jose.

To be Done by Day's Work.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. Florence and Ashby Avenue.
One and one-half-story frame residence and garage.
Owner—Myrtle Bowman.
Architects—Miller & Warnecke, Perry Bldg., Oakland.

Sub-Figures Being Taken.
COTTAGE. Cost, $4,000
SAN JOSE, Santa Clara Co., Cal. Williams and Saratoga Avenue.
One-story 5-room frame cottage.
Owner—F. Brightonstein.
Architects and Contractors—Hastings Bros., 524 E-St. James St., San Jose.

Sub-Figures Being Taken.
BUNGALOW Cost, $7250
SAN JOSE, Santa Clara Co., Cal. Yosemite S E-Rice.
One-story frame and plaster bungalow (6 rooms).
Owner—Mrs. Ida Allyn, 818 Delmas, San Jose.
Architect and Contractor—Hastings Bros., 524 E-St. James St., San Jose.

Contract Awarded.
RESIDENCE Cost, $19,248
BERKELEY, Alameda Co., Cal. Lot 7 and W 25 Lot 6 Blk A Map Whitney Tract.
Two-story and basement frame residence.
Owner—Mrs. Estelle S. Clark.
Architect—B. R. Maybeck, Lick Bldg., San Francisco.
Contractor—Lawton & Vezey, Plaza Bldg., Oakland.

Materials Being Purchased.
RESIDENCES Cost, $3,500 each
SAN FRANCISCO. Foerster near Flood and on Staples near Forester.
Eleven one-story and basement frame residences.
Owner—Moneta Investment Co., 233 Pacific Bldg., San Francisco.
Architect—None.

Plans Complete—Figures To Be Taken In About a Week.
RESIDENCE Cost, $30,000
BERKELEY, Alameda Co., Cal. Avalon Ave.
Two-story frame and plaster residence.
Owner—J. B. Havre, Kohl Bldg., San Francisco.
Architect — Benj. G. McDougall, 381 Bush St., San Francisco.

Contract Awarded.
RETAINING WALLS Cost, $13,670
OAKLAND. Lots 42 to 47 Map Poplar Tract, Eden Tp.
Terra cotta walls and reinforced concrete supporting for a one-and 2-story residence.
Owner—Maud M. Gibson, 1414 Le Roy St., Berkeley.
Architect — Kenneth MacDonald, Jr., 234 Pine St., San Francisco.
Contractor—R. J. H. Forbes, Monadnock Bldg., San Francisco.

LONG BEACH, Los Angeles Co., Cal. Hargrave & Whiteley, 148 Locust Ave., Long Beach, announce intention of erecting a $90,000 group English gable-roofed dwellings and a garage structure on E. Ocean Blvd. near 19th Pl., Long Beach, for the firm. The work will include a tunnel entrance for autos.

SCHOOLS

Plans Being Figured—Bids Close Dec. 16, 1921, 7:30 P. M.
SCHOOL BLDG. Cost, $——
VENICE, Los Angeles Co., Cal.
Six-room brick school.
Owner—Venice City School District.
Architect—Edwin Bergstrom, 1128 Citizens Natl. Bank Bldg., Los Angeles.
Separate bids will be taken for the general work, plumbing, gas heaters, electric wiring, painting, and blackboards.

Completing Plans.
SCHOOL BLDG. Cost, $130,000
ORANGE, Orange Co., Cal.
Brick school bldg. (6 rooms, auditorium, library and study hall).
Owner—Orange High School District.
Architect—Allison & Allison, Hibernian Bldg., Los Angeles, Cal.

Plans Being Prepared.
MAN. TRAINING BLDG. Cost, $200,000
COLTON, San Bernardino Co., Cal.
One-story reinforced concrete manual training bldg., 45x 270.
Owner—Colton High School District.
Architect—Allison & Allison, 1405 Hibernian Bldg., Los Angeles, Cal.
Bonds have been voted.

Commissioned to Prepare Plans.
SCHOOL Cost, $50,000
CORDA MADERA, Marin Co., Cal.
One-story concrete school.
Owner — Corda Madera Grammar School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.

Contracts Awarded.
SCHOOL Cost, $——
SUTTER COUNTY. Center - Gaither School District.
One-story hollow tile school (3 rooms and an auditorium).
Owner — Center - Gaither Grammar School District.
Architects—George C. Sellon & Co., Mitau Bldg., Sacramento.
Carpenter and Mason Work, William Keating, 1714 27th St., Sacramento, approximately, $20,000.
Plastering, Thos Scollan, 2919 T St., Sacramento, approximately, $5500.
Mechanical Equipment, Lataurette-Fical Co., 3431 Sacramento Blvd., Sacramento, approximately, $6300.
Roofing, Johns-Manville Co., Post and Mason Sts., San Francisco, approximately, $900.
Painting all bids rejected on account of being too high. New bids to be called for shortly.

Commissioned to Prepare Plans.
SCHOOL. Cost, $80,000
UKIAH, Mendocino Co., Cal.
Two-story reinforced concrete school building.

Owner—Ukiah Grammar School District.
Architect — Norman R. Coulter, 46 Kearny St., San Francisco.
Bonds to the amount of $80,000 will be voted shortly.

Figures To Be Called For Shortly.
TEMPORARY BLDGS. Cost, $20,000
CENTERVILLE, Alameda Co., Cal.
One-story frame gymnasium and commercial arts department buildings (temporary buildings).
Owner—Centerville High School District.
Architect — John J. Donovan, Pacific Bldg., Oakland.

BERKELEY, Cal.— The Berkeley Board of Education received the following bids on December 6th for alterations and additions to the Jefferson School. Plans were prepared by Architect Wm. C. Hays, First National Bank Bldg., San Francisco. All bids were taken under advisement.

1. Excavating, Grading and Concrete Work

F. W. Maurice, 351 12th St., Oakland, $3425; alternate (1) $50; alternate (2) $106.
Jepson Bros., Oakland.....$5250
(1) $55; (2) $234.50.
I. M. Sommers, San Francisco..$6915
(1) $110; (2) $488.
Barrett & Hilp, San Francisco..$7273
(1) $99; (2) $142.

2. Carpentry and Millwork

Walter Murch, Oakland.....$21,990
(1) $350; (2) $2308.
Barrett & Hilp, San Francisco..$22,323
(1) $1766; (2) $4711.
Connor & Connor, Berkeley....$23,690
(1) $200; (2) $3200.
Walter Sorenson, Berkeley.....$24,665
(1) $155; (2) $3392.
John Morton, San Francisco....$25,235
(1) $580; (2) $3500.
F. W. Maurice, Oakland.....$25,250
(1) $450; (2) $3300.
Schnebly-Hostrawser, Oakland....
$25,331; (1) $598; (2) $3737.
I. M. Sommers.....$27,391
(1) $788; (2) $3536.

3. Lathing and Plastering

Leonard Bosch, 180 Jessie St., San Francisco, $5080; (1) $275; (2) $650
Wm. Makin, Oakland.....$5373
(1) $195; (2) $185.
T. Sexton $5985
(1) $150; (2) $600.
R. D. Felt.....$6190
(1) $217; (2) $330.
Geo. Dixon $6287
(1) $80; (2) $350.
F. W. Maurice.....$6300
(1) $120; (2) $430.
J. F. Smith.....$6500
(1) $200; (2) $570.
John Thomas $6960
(1) $240; (2) $520.
A. Knowles, San Francisco.....$7329
(1) $200; (2) $875.
Peter Bradley, San Francisco....$8200
(1) $320; (2) $1198.

4. Masonry and Tile Work

M. B. McGowan, 180 Jessie St., San Francisco, $2100; (1) $45; (2) $165; (3) $195.
F. W. Maurice, Oakland.....$2125
(1) $7; (2) $—.
Mealey & Collins, San Francisco..$2290
(1) $10; (2) $—.
Herold Larson $2400
(1) $—; (2) $—.
John Morton, San Francisco.....$2350
(1) $10; (2) $—.
White & Gloor, San Francisco...$2493
(1) $10; (2) $—.
John Thompson $2574
(1) $10; (2) $—; (3) $350.
Herbert Beckwith $3250
(1) $50; (2) $—.

5. Electrical Work

Berkeley Elec. Co., 2142 Center St., Berkeley, $1398; (1) $21; (2) $70.
Advance Electric Co.....$1440
(1) $21; (2) $52.
Kohlwey, Smith Co., S. F.....$1690
(1) $23; (2) $109.
Turner Co. $2210
(1) $21; (2) $60.

6. Heating and Ventilating

Scott Co. $4284
(1) $97; (2) $297.
F. W. Snook, San Francisco.....$4694
(1) $105; (2) $410.
J. E. O'Mara, San Francisco.....$4677
(1) $92; (2) $290.
W. K Nottingham, Oakland.....$4788
(1) $77; (2) $309.
Picard & Edwards, Oakland.....$4866
(1) $75; (2) $250.
John I. Collins.....$5200
(1) $57; (2) $270.50.
Turner Co., San Francisco.....$5480
(1) $80; (2) $280.
Carl T. Doell, Oakland.....$6840
(1) $70; (2) $196.

7. Plumbing

Thos. R. Catton, 2327 Prince St., Berkeley, $2435; (1) $349; (2) $—.
John I. Collins.....$2517
(1) $250; (2) $—.
Scott Co. $2572
(1) $358; (2) $92.
J. E. O'Mara.....$2672
(1) $345; (2) $95.
Carl T. Doell.....$2703
(1) $332; (2) $129.
Turner Co. $2860
(1) $260; (2) $40.
Picard & Edwards $2913
(1) $355; (2) $—.
F. W. Snook Co.....$3355
(1) $375; (2) $18.

8. Painting

Burdon & Kirkhouse, 1426 Macdonald Ave., Richmond, $1642; (1) $45; (2) $80.
R. Zelinsky, San Francisco.....$1680
(1) $60; (2) $210.
Tessier Co., San Francisco.....$2750
(1) $110; (2) $320.
C. E. Irwin, Oakland.....$2340
(1) $60; (2) $220.

9. Shades

D. N. & E. Walter, S. F. $304
(1) $9; (2) $61.

10. Linoleum

D. N. & E. Walter, S. F.....$295.70

SANTA MARIA, Santa Barbara Co., Cal.—The Board of Trustees of the Santa Maria Union High School District received the following bids and awarded contracts for the construction of one and two-story reinforced concrete school buildings. Plans were prepared by Architects Allison & Allison, Hibernian Bldg., Los Angeles.

Contract No. 1, Excavating, Concrete, Carpentry Work and Iron

Frank Hudson, 231 Higgins Bldg., Los Angeles, **awarded Contract** $109,487
C. L. Wold Co., S. F..... 113,760
West Coast Constr. Co. S. F... 114,517
Daniel R. Wagner, S. F..... 120,000
Daniels & Farris 133,742
Appleton & Davis..... 114,289

Contract No. 2, Masonry

C. L. Wold Co., 40 Montgomery St., San Francisco, **awarded Contract** $53,000
H. Reimers 63,700
Daniel R. Wagner, S. F..... 63,572
Alonzo G. Reed..... 59,303
H. E. Knerr..... 68,692
Daniels & Farris..... 63,787

Contract No. 3, Sheet Metal Work

Chas. Strangman Co., 137 Rose St., Los Angeles, **awarded contract** $2,590
National Cornice Works..... 3,384
Munger & Munger..... 3,318
Emil Brown Co..... 3,183
Frank Hudson 2,860
St. Louis Cornice Works..... 3,886
A. H. Froom..... 3,100
Frank Crosson 2,710

Contract No. 4, Composition Roofing

Johns-Manville Co., L. A., **awarded contract** $1,013
Standard Roofing Co..... 870
Hosier & Bailey Co..... 1,340

Johns-Manville Company's bid was according to specifications.

Contract No. 5, Tile Roofing

C. L. Passmore, 1439 Hayworth Ave., Los Angeles, **awarded contract.** $14,600; $14,000.
Gladding, McBean & Co., San Francisco, $16,638; $12,582.
W. R. Tobias, $15,760; $17,058.

Contract No. 6, Plastering

E. V. Fallgren, 228 Marsh-Strong Bldg., Los Angeles, **awarded contract**..... ....$20,990
J. P. Walsh..... 26,800
Burt E. Dequine..... 24,490
A. Knowles, San Francisco.... 21,500
C. C. Morehouse, San Francisco. 23,600
Thomas Carroll 29,865
Gus. Johnson 27,776

Contract No. 7, Blackboards

Pacific Coast Blackboard Co. **(awarded contract)** $1,227
Rucker-Fuller Desk Co., S. F... 1,312

Contract No. 8, Painting

G. C. Hewitt, 459 S. Flower St., Los Angeles **(awarded contract)** .....$ 7,385
Wormell & Drawbaugh..... 12,220
Alhambra Wall Paper & Paint Co. 9,500
Arenz-Warren Co. 10,449
Meyerink & Stuart 17,447
C. T. Bates 11,928
R. Zelinsky, San Francisco..... 11,757

Contract No. 9, Hardware

Bennett-Montgomery Co., 323 South San Pedro Street, Los Angeles **(awarded contract)**..$5,973
California Hardware Co..... 6,590
Union Hdw. & Metal Co. 6,585
Holser & Bailey 6,094

Contract No. 10, Plumbing

Munger & Munger, 174 East Union St., Pasadena **(awarded contract)** $12,598
Carver & Aschmann 15,262
Froom & Bidamon 15,020
W. P. McArthur 16,260
W. W. Trumbull 18,301
Alfred Thomas 19,454

Contract No. 11, Electric Wiring

Neilson-Smith Co., Santa Barbara **(awarded contract)** ....$ 8,884
John B. Hurst 14,440
F. E. Newbery Electric Co..... 12,769
H. H. Walker 10,239
Krelle Electric Co. 13,959
Standard Electric Co. 10,975
Prewitt Electric Co. 10,480
George J. Wheat 9,480

Contract No. 12, Program Clocks

Standard Electric Time Co. **(awarded contract)** .....$ 1,270
Pacific Electric Time Co..... 1,349
Neilson-Smith Electric Co..... 1,428

Contract No. 13, Heating and Ventilating

James A. Nelson Co., San Francisco and L. A. **(awarded contract** $20,980
W. P. McArthur 21,035
W. W. Trumbull 25,625
Alfred Thomas 27,945
Munger & Munger 21,375
B. V. Ezell 22,000

SAN FRANCISCO.—E. E. Etherton Co., Monadnock Bldg., at $45,342 awarded contract by Board of Public Works for general construction of McKinley School in Castro St. bet. 14th and Henry Sts. Electric work awarded to Standard Electric Construction Co., 80 Natoma St., $1390. Heating and Ventilating to J. E. O'Mara, 449 Minna St., at $7235.

SACRAMENTO, Cal.—Following bids received by the Board of Education for furnishing and delivering approximately 500 movable school chair desks:

H. S. Crocker Co., $16.50 to $16.70 ea.; C. F. Webber & Co., $15.45 to $15.95; Rucker-Fuller Co., $15.90 to $16.90. Bids taken under advisement.

TAFT, Kern Co., Cal.—Bids for constructing two tennis courts for the Taft Union High School District have been rejected and bids will be re-advertised for in the near future. Bids received were: Worden, Wimmer & Jones, Bakersfield, $7,868.34; Currie & Dulgar, Bakersfield, $8,500; W. F. Cross, Taft, $9,280. Orville L. Clark, Brower Bldg., Bakersfield, architect.

OLIG, Kern Co., Cal.—Vitelle & Vitelle, Taft, at $2,694.90, awarded contract to install Clow gas steam radiation in Olig school. Other bidders were: Smetzer & Howard, Bakersfield, (Clow) $2,717.30; Standard Plumbing Co., Taft (Claw), $2,929; radio gas radiation, $2,334.40; Mercel gas radiation, $1,610; Gunlach Plumbing Co., Taft, gas steam, $3,200; Potter warm air gas radiators, $2,036. Orville L. Clark, Brower Bldg., Bakersfield, architect.

LODI, San Joaquin Co., Cal.—Wm Inch, principal of the Lodi Union High School, has been instructed to secure from architects estimates of cost for improving the present school and for erecting a science, shop and junior college buildings.

FULLERTON, Orange Co., Cal.—Until 2 P. M., December 23, bids will be received by Trustees of Fullerton Union High School at Fullerton for new study hall extensions with connecting arcades, and an addition to present garage. Bids will be taken separately on general contract, electric wiring, heating and ventilating and plumbing and gas fitting. Carleton Monroe Winslow, Van Nuys Bldg., Los Angeles, Architect

PITTSBURG, Contra Costa Co., Cal.—Erection of a junior high school building is contemplated by the Trustees of the Pittsburg High School District.

VALLEJO, Solano Co., Cal.—Until December 20, 8 P. M., bids will be received by Elmer L. Cave, Secretary of the Board of Education, for furnishing and installing school furniture in school buildings. **See call for bids under official proposal column in this issue.**

SAN FRANCISCO.—Until December 21, 3 P. M., bids will be received by Board of Public Works for constructing annex and altering present Adams school in Ellis St. bet. Polk and Van Ness Ave. Building will be two stories in height of reinforced concrete construction and will contain 6 classrooms. Segregated bids will be taken for general contract, estimated cost $50,000; heating and ventilating, $3,000; plumbing, $5,000; electric work, $1,500. Plans for the structure were prepared by Architect Morris M. Bruce, John Reid, Jr., City Architect. Plans may be had from Bureau of Architecture, 2nd floor, City Hall.

MONTE VISTA, Stanislaus Co., Cal.—Until December 19, 8 P. M., bids will be received by D. S. Anderson, Clerk, Monte Vista School District, for constructing a new masonry grammar school from plans prepared by Architect Jas. H. Hoose, Ramont Bldg., Modesto. **See call for bids under official proposal column in this issue.**

BAKERSFIELD, Kern Co., Cal.—Until Dec. 21, 3 P. M., bids will be received by W. H. Bemis, clerk, Miller School District, for erecting tank house, store room and garage and drilling well at Miller school. J. M. Saffell, architect, Bakersfield. **See call for bids under official proposal column in this issue.**

AUBURN, Placer Co., Cal.—Trustees of Placer Union High School District is planning to purchase additional ground and construct additions to the high school. Funds will be raised through a bond issue. John F. Engle is principal of the school.

SAN MATEO, San Mateo Co., Cal.—Until December 22, 2 P. M., bids will be received by J. J. Casey, Clerk, San Mateo School District, for finishing one or two rooms of Homestead School. **See call for bids under official proposal in this issue.**

SAN FRANCISCO.—Following bids received by Board of Public Works for constructing addition to Columbus school in Thirteenth Ave. between Kirkham and Lawton. Plans were prepared by Architect Herman Barth, Phelan Bldg. John Reid, Jr., is City Architect:

General Construction

Architect's estimate	$56,000
J. S. Hannah (low bidder), 142 Sansome St.	31,671
Farrell and Reed	39,700
Alfred H. Vogt	38,643
Matthies and Gale	42,443
Elmer Carlson	37,600
F. L. Hansen	39,880
Jas. L. McLaughlin	35,000
Mahoney Bros.	46,789
A. B. Smith	39,661
G. P. W. Jensen	40,800
P. F. Reilly	39,417
Anderson and Ringrose	36,248
E. E. Etherton Co.	33,800
Barrett & Hilp	35,400
John Spargo	39,360
John Morton	36,350

Plumbing

Architect's estimate	$ 3,500
Scott Co. (low bidder), 243 Minna St.	3,137
Herman Lawson	3,544
Fred W. Snook Co.	4,121
A. Lettich	2,840
Turner Co.	3,580
J. E. O'Mara	3,300
Gilley-Schmid Co.	3,698

Heating and Ventilating

Architect's estimate	$ 3,800
P. J. Enright (low bidder), 2720 McAllister St.	3,109
Herman Lawson	3,426
A. Lettich	3,551
Turner Co.	3,520
J. E. O'Mara	3,336
Scott Co.	3,260
Gilley-Schmid Co.	3,318

Electric Work

Architect's estimate	$ 2,200
G. A. Metcalfe (low bidder), 307 Turk St.	910
Butte Elec. & Equip. Co.	1,492
Globe Elec. Works	998
Thos. Day Co.	2,159
Turner Co.	1,180
Atlas Elec. Co.	1,410
Collonan Elec. Co.	1,506

Lathing and Plastering

Architect's estimate	$ 6,000
J. Greenback (low bidder), 180 Jessie St.	4,350
A. Knowles	5,800
C. Terranova	5,490
Jas Smith	5,080
Geo. E. Whitmore	6,485

Brick, Stone and Terra Cotta

Architect's estimate	$14,500
M. B. McGowan (low bidder), 180 Jessie St.	13,182
Farrell & Reed Co.	17,500
Harold N. Larsen	16,900
Hock & Hoffmeyer	15,250
E. Hogberg	15,500
White & Gloor	16,400
John Morton	17,200
Thomas Campbell	15,877
M. J. Mealey	14,200

ANTIOCH, Contra Costa Co., Cal.—School officials at Antioch are contemplating the erection of a junior high school building, according to William H. Hanlon, County Superintendent of Schools.

LOS ANGELES, Cal.—K. R. Bradley Construction Co., 1925 E. 16th St., Los Angeles, was awarded general contract at $62,698 for new Alpine St. school; Parker O. Wright, Central Bldg., Los Angeles, is the architect. Other contracts were awarded as follows: Plumbing to Arthur Hess at $3056; heating to Arthur Hess at $5623; painting to D. Zelinsky & Sons at $2400; and wiring to F. E. Newbery Co. at $2828.

PETALUMA, Sonoma Co., Cal.—Until Jan. 10, 8 P. M., bids will be received by the Board of Education, P. J. Blim, Secretary, for installing program clock system and bell system for Petaluma High School and gymnasium, according to plans of Architect Brainerd Jones, 110 Washington St., Petaluma.

Separate bids, same date, for installing steam heating, ventilating and fuel oil equipment in same structures, according to plans by Architect Jones and Albert A. Coddington, Consulting Engineer. **See call for bids under official proposal column in this issue.**

LONG BEACH, Los Angeles Co., Cal.—J. W. Davison, 361 Walnut Ave., Los Angeles, was lowest bidder at $67,987 on the general contract for the erection of an additional unit at the Horace Mann School site, Long Beach. J. D. Sherer bid $68,094; Willis & Collins, $79,932. The Long Beach Plumbing Co. was low on the plumbing at $7099; W. B. Walter, low on the painting at $3559.80; L. B. Marsh low on wiring at $3395; Pacific Gas Radiator Co. low on the gas heating at $1694.77. Other bids were: J. W. Davison, general contract, $67,987; alternate (1) remodeling old toilets, add $3520; alternate (2) including marble and tile work in new toilets, add $1290. J. D. Sherer, general contract, $68,094; (1) $4000; (2) $1290. Willis & Collins, general contract, $79,-932; (1) $4868.

Plumbing—Long Beach Plumbing Co. $7099; Hickman Bros., $7449; Coony & Winterbottom, $7900.

Painting—W. B. Walter, $3559.80; Marine Painting & Paper Co., $4270; Bear & Borden, $4635; Alhambra Wall Paper & Paint Co., $4929.

Wiring—L. B. Marsh, $3395.

Gas Heating—Pacific Gas Radiator Co., $1694.77; W. T. Nichol, $1953. Two story brick construction, plaster exterior, composition roof, 8 classrooms, teachers' and pupils' rest rooms, kitchenette, cloak room, telephones, call bells, enumerator system, hardwood floors, incinerator, basement hot water plant, open air court, 125x80 ft. Parker O. Wright and Francis H. Gentry, 316 Marine Bank Bldg., Long Beach, architects.

CARSON CITY, Nevada.—J. C. Dillard, Reno, Nevada, at $24,085 awarded contract for reconstructing Carson City school building from plans by Architect Geo. A. Ferris & Son, Reno, Nevada. F. Savage, Reno, at $1,774 awarded contract for heating and plumbing. Bids received follow: Roush & Belz, 701 S. Center St., Reno, Item (1) $26,124, (2) $25,894; Sellman Construction Co., Carson City (1) $25,450, (2) $25,300; J. C. Dillard (1) $24,225, (2) $24,085. Heating and plumbing: Wara Co., $2,481; McDermott Co., $2,-855, Wm Wagner, $2,700, F. Savage $1,774, all bidders of Reno.

SAN FRANCISCO.—Board of Public Works, on recommendation of City Architect John Reid, Jr., has approved following sub-contracts awarded by Quinn & Reilly, general contractors for the Emerson school, now under

construction in Pine St. bet. Scott and Divisadero Sts.: Marble to J. E. Back Co.; finish hardware to Palace Hdw. Co.; mill work to Empire Planning Mill; grading to Sibley Grading and Teaming Co. G. A. Applegarth, Claus Spreckels Bldg., is the architect.

FAIRFIELD, Solano Co., Cal.—Until Dec. 23, 10 A. M., bids will be received by Peter L. Siebe, Clerk, Falls School District, for constructing new school building, according to plans on file in office of County Superintendent of Schools at Fairfield. Deposit of $5 required for plans.

STORES AND OFFICES

Contract Awarded.
STORE BLDG. Cost, $5,345
SAN FRANCISCO. S Ellis Street — E Jones Street.
One-story and basement brick store building (2 stores).
Owner—G. Lachman.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor — Cohn & Nordstrom, 110 Sutter St., San Francisco.

Contracts Awarded.
STORE BLDG. Cost, $80,000
BERKELEY, Alameda Co., Cal. W Shattuck Ave. between Bancroft Way and Durant Avenue.
One-story reinforced concrete store building (13 stores).
Owner—W. W. Whitecotton, Whitecotton Hotel, Berkeley.
Architect—Jas. W. Plachek, 210 Shattuck Ave., Berkeley.
Carpentry, millwork, iron and steel work awarded to H. McCullough & Son, 1641 Allston Way, Berkeley, $14,500.
Electric wiring to Capitol Electric Co., 2468 Shattuck Ave., Berkeley, $1525.
Lathing and plastering to Wm. Makin, 1048 Excelsior, Oakland, $8330.
Glass and glazing to W. P. Fuller & Co., 259 10th St., Oakland, $3350.
Painting to Geo. Stetter, 1722 McGee, Berkeley, $710.
Excavating, concrete work and reinforcing steel to F. E. Nelson, 3090 King St., Berkeley, $19,500.
Plumbing and sewer work to Scott Co., 381 11th St., Oakland, $1,489.
Roofing to H. C. Brown Roofing Co., 3417 San Pablo Ave., Oaklamd, $1,152.
Sheet metal work to American Sheet Metal Works, 319 11th St., Oakland, $940.
Tile work to The Rigney Tile Co., 2148 Telegraph Ave., Oakland, $1363.

Contracts Awarded.
LOFTS & STORES Cost, $——
SAN FRANCISCO. S. Mission 75 E 6th
Two-story and basement reinforced concrete lofts and stores.
Owner—J. S. Morgan & Son.
Architect—W. H. Crim, Jr., 425 Kearny Street.
General contract to Chas. Sartorio, 2151 Filbert St., $16,533.
Lathing and plastering to McGruer & Simpson, 180 Jessie St., $1578.
Painting to Fred Wagner, 65 Hoff St., $246.
Electric work to H. S. Tittle, 766 Folsom St., $556.
Plumbing to Scott Co., 243 Minna St., San Francisco, $573.

Sub-Figures Being Taken
OFFICE BLDG. Cost, $65,000
SAN FRANCISCO. S Market 185 E Second Street.
Two-story and basement brick office building.
Owner—H. L. Simon.
Architect—None.
Contractor—H. P. Hoyt, Monadnock Bldg., San Francisco.

Contract Awarded.
STORE BLDG. Cost, $9811
SAN FRANCISCO. S Geary Street W Jones Street.
One-story and basement reinforced concrete store building.
Owner—Thos. U. Smyth.
Supervising Architect — August G. Headman, Call Bldg., San Francisco
Contractor — Vukicevich & Bagge, 180 Jessie St., San Francisco.

Plans to be Completed in January.
OFFICE BLDG. Cost, $350,000
FRESNO, Fresno Co., Cal. North J St.
Six-story reinforced concrete and brick office building, 100x150.
Owner—Brix Estate.
Architect — Eugene Mathewson, Cory Bldg., Fresno.
Engineer—H. J. Brunnier, Sharon Bldg San Francisco.

Plans Completed.
STORE, ETC. Cost, $30,000
SAN FRANCISCO. Post and Mason Streets.
Two-story Class "C" brick store and studio building.
Owner—Dunn-Williams Co.
Architect—S. Heiman, 57 Post.
Contractor—MacDonald & Kahn, 130 Montgomery St.

Contract Awarded.
STORE BLDG. Cost, $——
FRESNO, Fresno Co., Cal. No. 1927 Cherry Avenue.
One-story brick and terra cotta store building.
Owner—John Johl.
Architect—Not Given.
Contractor—C. P. Keesling, 3414 Lowe St., Fresno.

Plans Being Prepared.
ALTERATION Cost, $——
SAN FRANCISCO. N. Market E. Turk. running through to Turk St.
Alter 2-story brick building into candy store and luncheon parlor.
Owner—George Haas & Sons.
Architect—C. E. Gottschalk, Phelan Bldg.

Bids Under Advisement for Piling—Construction to Start Immediately.
CLASS "A" BLDG. Cost, $1,500,000
SAN FRANCISCO. SE Main and Market Sts.
Fifteen-story Class "A" office building.
Owner—Matson Navigation Co.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
Lindgren Co. awarded the following sub-contracts last year:
Structural Steel to The U. S. Steel Products Company.
Elevators to The Otis Elevator Co., Beach and Stockton Sts.
Brick (common) to McNear Brick Co., Monadnock Bldg.
Cement to Santa Cruz Portland Cement Co., Crocker Bldg.
Steel Inspection to R. E. Noble & Co., Humboldt Bank Bldg.
Reinforcing Steel and Cement Inspection to R. W. Hunt & Co., 251 Kearny St.
The following bids were received for the piling:

Hannah Bros.	$32,389
Healy-Tibbitts Const. Co.	32,459
A. W. Kitchen Co.	33,530
M. B. McGowan	34,964
Harlow Co.	35,530
Tibbitts Pacific Co.	35,888

(Continued on Page 20)

List of Members
Vallejo Builder's Exchange

OFFICERS
AVERILL, S. H., President.
KNUDSON, P. C., Vice-President.
KING, W. E., Secretary.
FREY, E. V., Executive Secretary.
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BRADHOFF, P. F.
ENGLAND, W. J.

BRICKLAYERS
Knudson, P. C.

CEMENT AND CONCRETE
Bode, A. E.
Johnston, E. L.
Tagnon, Louis.

ELECTRICAL CONTRACTORS
Vallejo Electric Light & Power Co. (Albert Casper and E. B. Pierce.)
Watkins Electrical Supply Co. (Edd. N. Watkins.)

GENERAL CONTRACTORS
Averill, S. H.
Barbera, J. J.
Barenchi, George
Bitcon, James
Cavallo, J. F.
Crosby, W. O.
Dubnoff, Harry
Estes, G. C.
Ferrera, M. C.
Fuller, J. F.
Paganini, David
Sullivan, John

HARDWARE
Brownlie Hardware Co. (R. A. Brownlie).
Wilder Hardware Co. (J. R. Clark).
Winchell Hardware Co. (C. L. Winchell and Mr. Denius).

HEATING
Hellerman Plumbing Shop
Hendrix, H. E.

HIGHWAY CONSTRUCTION
Blanco, R. J.

LUMBER
Perry Lumber Co. (C. H. Miller).
Teicheira Lumber Co. (E. Teicheira).
Vallejo Builders' Supply Co. (C. W. Greene).
Weeks, S. J.

MATERIAL
Clavo, Joseph
Horan Company (W. F. Horan).
Stark, John
Vallejo Rock & Sand Co.

MILLWORK
Foster's Planing Mill (Gilbert Foster).
Pacific Mfg. Co. (C. C. Quinn).
Perry Lumber Co. (C. H. Miller).
Vallejo Builders' Supply Co. (C. W. Greene).

PAINTING
Barnewitz, Jack
Barnewitz Paiting & Decorating Co.
Fawcett, Walter
Vera & Castro

PLASTERERS
Adamson, M. S.
Driscoll, D. F.
Bourne, C. H.

PLUMBERS
Beasley, D. J.
Hellerman Plumbing Shop
Hendrix, H. E.
Loney, J. J.
Vallejo Plumbing Co. (W. J. England).
Wilder Hardware Co. (J. R. Clark).

ROCK, SAND, ETC.
Vallejo Rock & Sand Co.

ROOFERS
Bradhoff Roofing and Magnesite Co. (P. F. Bradhoff.)
Talley, L. K.

SHEET METAL
Monarch Sheet Metal Works. (W. E. King.)

Official Proposals

NOTICE TO BIDDERS

Turlock Irrigation District and Modesto Irrigation District, Stanislaus and Merced Counties, California

JOINT STORAGE WORKS

Sealed proposals will be received at the office of the Turlock Irrigation District, at Turlock, California, **until Friday, December 23, 1921, at 10 o'clock A. M.**, for furnishing and delivering fifty thousand (50,000) barrels to two hunderd thousand (200,000) barrels of Portland cement f. o. b. cars factory. The cement must meet the standard specifications for cement adopted by the American Society for testing materials and must be delivered on a schedule provided by the Districts. Delivery to be at the rate of about twenty-five thousand (25,000) barrels, monthly, beginning January, 1922.

Also for furnishing and delivering f. o. b. cars, San Francisco, steel reinforcing bars as follows:

20,000 lbs. 1¼ inch square, deformed steel reinforcing bars.

90,000 lbs. ¾ inch square, deformed steel reinforcing bars.

154,000 lbs. ½ inch square, deformed steel reinforcing bars.

The contracts will be let to the lowest responsible bidder, but the Boards reserve the right to reject any or all bids.

Each proposal must be accompanied by a certified check for five (5) per cent of the amount of the bid, payable to the order of the Treasurer of the Turlock Irrigation District, for the benefit of said Districts as a guaranty that the bidders will, if successful, execute a satisfactory contract and furnish a bond in the sum of not less than twenty-five (25) per cent of the amount of his bid for the faithful performance of the contract, said bond to be subject to the approval of said Boards.

The proposals must be marked "Proposals for Materials for Don Pedro Storage Project" and addressed "Turlock Irrigation District and Modesto Irrigation District, Turlock, California."

Done in pursuance of orders of the Board of Directors of the Turlock Irrigation District and the Modesto Irrigation District, this 29th day of November, 1921.

ANNA SORENSEN,
Secretary, Turlock Irrigation District.
C. S. ABBOTT,
Secretary, Modesto Irrigation District.

NOTICE TO SCHOOL FURNITURE DEALERS

NOTICE is hereby given by the Board of Education, Vallejo School and High School Districts, that sealed bids will be received on School Furniture as per list on file in the Office of the Board of Education, Rooms 1 and 2, Masonic Temple, Vallejo.

Bids must be filed with Elmer L. Cave, Secretary, Board of Education, Rooms 1 and 2, Masonic Temple, **on or before eight o'clock P. M. of Tuesday, December 20, 1921.**

A certified check for five per cent (5%) of the amount of bid must accompany each proposal.

The Board of Education reserves the right to reject any and all bids.

ELMER L. CAVE,
Secretary, Board of Education, Vallejo School and High School Districts.

Dated at Vallejo, Cal., this 3rd day of December, 1921.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

Notice is hereby given that the Monte Vista School District of Stanislaus County, State of California, will at the school building in the above district, **on the 19th day of December, 1921, at 8 P. M. on that day,** receive and consider sealed bids for the following work.

The construction of a new masonry grammar school building; all of this work to be done on the school premises of Monte Vista, in the County of Stanislaus, State of California, according to the plans and specifications for same as prepared by Jas. H. Hoose, architect.

Said plans and specifications may be obtained at the office of Jas. H. Hoose, Architect, Rooms 6 and 7, Ramont Building, in the City of Modesto, County of Stanislaus, State of California, upon the payment of $10.00, which sum will be repaid upon the return of the plans and specifications in a whole and undamaged condition.

All bids must be sealed and filed with the Clerk of the said Monte Vista School District, prior to eight p. m. of the 19th day of December, 1921, and be accompanied by a certified check on some solvent bank of the State of California, for ten per cent of the amount of the bid submitted, which check shall be made payable to the Clerk of the board of the Monte Vista School District.

This check is required as a guarantee, that the successful bidder will, within three days after notice of the award of the contract to him enter into a satisfactory contract with the Board of said District, and execute and deliver the necessary bonds as required by law. If the contractor shall fail to enter into such a contract the amount of the certified check shall be retained by said Board as liquidated damages.

The Board reserves the right to reject any and all bids.

Dated this 3rd day of December, 1921.

D. S. ANDERSON,
Clerk of the Board of Trustees of the Monte Vista School District.
(39334) 1st report June 23; 2nd, July 26, 1921. R. P

NOTICE TO BIDDERS

Public notice is hereby given that sealed bids will be received by the Board of Trustees of the Town of Redwood City, California, **up to and including Monday, the 19th day of December, 1921, at the hour of 7:30 p. m.,** for the following material to be delivered f. o. b. cars at factory, to-wit:

6400 feet Four (4) inch cast iron water pipe.

900 feet six (6) inch cast iron water pipe.

5796 feet Eight (8) inch cast iron water pipe.

396 feet Ten (10) inch cast iron water pipe.

The following cast iron Tees, to-wit: Two (2) 8"x8"x4", One (1) 8"x8"x6", One (1) 10"x8"x4", One (1) 4"x4"x6", Sixteen (16) 4"x4", Fourteen (14) 8"x4", One (1) 8"x6", One (1) 10"x4", One (1) 6"x8".

The following cast iron Crosses, to-wit:

One (1) 6"x4", One (1) 4"x4", One (1) 8"x6", Thirty (30) 4" Cast iron plugs.

Cast iron pipe to be either of hub and spigot form in twelve foot lengths Class B Standard weight, or Universal Cast Iron Pipe in six foot lengths Class No. 100 Standard weight.

All pipe and specials to be subject to inspection by the Superintendent of water department of the Town of Redwood City, upon delivery and rejected pieces to be stored at the expense and subject to the order of the shipper.

Delivery to be made within 40 days after placing order, contract to be entered into within five days after acceptance of bid.

Bids to be accompanied by certified check in the amount of 10 per cent of bid, payable to the President of the Board of Trustees of the Town of Redwood City, checks of unsuccessful bidders to be returned at once, check of successful bidder to be returned upon acceptance of goods ordered.

Each bidder must state in his bid where the pipe and fittings that he is bidding on are manufactured.

The Board of Trustees reserves the right to reject any and all bids.

By order of the Board of Trustees of the Town of Redwood City, California.

Dated: December 5, 1921.

W. A. PRICE,
Clerk of the Town of Redwood City.

BIDS WANTED FOR TANK HOUSE, ETC.

NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids will be received by J. M. Saffell at his office in Bakersfield, Kern County, California, **up to the hour of 3 p. m., of the 21st day of December, 1921,** for the furnishing of all material and labor necessary for the erection and completion of a frame Tank House and store room and garage for the Miller school district, as per plans and specifications on file in the office of said J. M. Saffell, architect, in the city of Bakersfield, Kern County, California.

All bids must be accompanied by a certified check payable to W. H. Bemis, clerk of trustees of said school district for the sum of at least 10 per cent of the amount of bid, to be forfeited should the successful bidder fail to give a satisfactory bond of 50 per cent of contract price and enter into a contract with the trustees of the Miller school district within five days after the awarding thereof, should it be required by the trustees.

Bids will also be received at the same time and place and under the above conditions for the putting down of an 8-inch well as will be specified. See architect for particulars.

All bids must be enclosed in sealed envelopes and addressed to J. M. Saffell and marked: "Proposals for Erection of Miller School Buildings."

The right reserved to reject any and all bids for said work.

W. H. BEMIS, Clerk.
D. J. McELWEE.
WM. J. LITTLE.

BIDS WANTED FOR STEAM HEATING SYSTEM

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of the Petaluma City High School District will receive sealed bids for the installation of a steam heating system, ventilation and fuel oil equipment for Petaluma Junior High School and Gymnasium Buildings to be erected on the lands recently purchased for that purpose, according to the plans and specifications prepared by Brainerd Jones, architect, and Albert A. Coddington, Consulting Engineer, and a copy of which can be procured at the said office of the said architect in the City of Petaluma, upon depositing with the said architect the sum of $15.00 (fifteen dollars), which said sum will be returned upon the return of the said plans and specifications within two weeks.

Each bid shall be accompanied by a certified check equal to ten per cent of the amount bid, to be forfeited if such bid is accepted and such a bidder shall fail to enter into a contract for the construction of said system, within 10 days after acceptance of such bid.

Said sealed bids will be received **up to eight o'clock P. M., of the 19th day of January, 1922,** at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, Petaluma,

Sonoma County, California, in the City Hall in the City of Petaluma.

The said Petaluma City High School District (as owners) reserve the right to reject any or all bids.

All bids must be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma City High School District. Petaluma, Sonoma County, California.

By order of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

P.J. BLIM, Secretary.

NOTICE TO DEALERS IN ELECTRICAL APPARATUS

Notice is hereby given that the Board of Public Utilities of the City of Alameda will receive bids for furnishing the Electric Department with Feeder Regulators and certain Electrical Apparatus in accordance with specifications on file in the office of the Secretary of said Board, to which bidders are referred to for full particulars.

All bids must be sealed and marked "Proposal for Feeder Regulators," and must be delivered to the Secretary of the Board of Public Utilities in the Citizens Bank Building, 2407 Santa Clara avenue, Alameda, Cal., **before 5 o'clock. P. M., Thursday, December 15th, 1921.** No bids will be considered which are handed in after the time mentioned.

The Board of Public Utilities reserves the right to reject any and all bids.

By order of the Board of Public Utilities, City of Alameda, Cal.

A. D. GOLDSWORTHY,
Secretary.

BIDS WANTED FOR COMFORT STATION

NOTICE TO CONTRACTORS

Pursuant to an order of the Board of Supervisors of Fresno County, California, duly made and entered in its minutes on the 6th day of December, 1921, notice is hereby given that said Board will receive **up to 2 o'clock p. m. of January 4th, 1922,** sealed proposals for the construction of two public comfort stations to be erected in the Court House Park in Fresno City, Cal.

Said construction work shall be done according to plans and specifications heretofore adopted therefor, and on file in the office of the Clerk of this Board.

Copies of plans and specifications may be obtained from the Clerk of this Board in his office in the County Court House, Fresno, Cal., by depositing the amount of $10.00 with said Clerk for the return of said plans and specifications.

A certified check in the sum of 10 per cent of the amount of the bid, made payable to the Chairman of the Board of Supervisors, must accompany each proposal as a guaranty that the successful bidder will, within ten days after the acceptance of his bid, enter into a contract with Fresno County to do such work as above mentioned, and furnish good and sufficient bonds according to law and rules of this Board, conditioned upon the faithful performance of such contract, and all of the provisions thereof.

Bids not accompanied by certified checks will not be considered.

The Board of Supervisors reserves the right to reject any or all bids.

Dated this 6th day of December, 1921. (Seal)

D. M. BARNWELL, Clerk.
By I. E. FARLEY, Deputy.

BIDS WANTED FOR PROGRAM CLOCK SYSTEM

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of the Petaluma City High School District will receive sealed bids for the installation of a complete Program Clock and Bell System for Petaluma Junior High School and Gymnasium Buildings according to the plans and specifications prepared by Brainerd Jones, architect, a copy of which can be procured at the said office of the said architect in the City of Petaluma. Each bid shall be accompanied by a certified check equal to ten per cent of the amount bid, to be forfeited if such bid is accepted and such bidder shall fail to enter into a contract for the construction of said system within 10 days after acceptance of such bid.

Said sealed bids will be received **up to eight o'clock P. M. of the 10th day of January, 1922,** at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California, in the City Hall in the City of Petaluma.

The said Board of Education of Petaluma City High School District reserves the right to reject any or all bids.

All bids to be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California. By order of the said Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

P. J. BLIM,
Secretary.

BIDS WANTED FOR FINISHING SCHOOL ROOMS

NOTICE INVITING SEALED PROPOSALS OR BIDS

The Board of School Trustees, San Mateo School District, hereby invites sealed proposals or bids for the finishing of either one or two rooms in the Homestead School in Hayward Park, San Mateo. The finish to be exactly similar to the adjoining room, omitting blackboards, though the space to receive the blackboards must be put in condition to receive same, being fitted on one side and trued to the satisfaction of the party installing the blackboards.

All work must be first class in every respect and acceptable to the said Board of School Trustees.

All proposals or bids must be accompanied by a check payable to the San Mateo School District, certified by a responsible bank, for an amount which shall not be less than ten per cent of the aggregate of the proposal, to guarantee fulfillment of the contract.

Said sealed proposals or bids shall be delivered to the clerk of the Board on or **before 2 o'clock P. M., of 22nd December, 1921.**

Bids will be opened at the office of the Peninsula Water Company, 313 Third Avenue, San Mateo, Calif., at the said hour of 2 P. M., December 22, 1921.

The Board reserves the right to reject any and all proposals or bids.

Alternate bids are asked for furnishing vertical pine flooring instead of maple.

J. J. CASEY,
Clerk, Board of Trustees, San Mateo School District.

REDUCTION OF FREIGHT RATES ON TIN PLATE

A reduction of from $1.83½ and 125½ to $1.20 per 100 pounds on tin plate in carload lots from points east of Colorado to points in California is announced by traffic managers of the Southern Pacific, Santa Fe and Western Pacific railroads. The reduction will be made on short notice, according to the Southern Pacific, and the effective date will be announced shortly.

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Send me Building and Engineering News for one year, commencing with next issue, for which I enclose check for $4.00

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Street and No. .....

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Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SANTA ROSA, Sonoma Co., Cal.—County Surveyor R. Press Smith is preparing preliminary plans for a bridge over Russian river at Guerneville, 3 span structure with concrete approaches; estimated cost, $100,000. Bids will be called about March, 1922.

YUBA CITY, Sutter Co., Cal.—Engineers M. C. Polk and F. S. Robinson, Chico, estimate cost of improvements in Reclamation District No. 2054 at $199,470; main canal, including widening and deepening of the Snake river will cost $116,471.

SACRAMENTO, Cal. — Following bids received by Supervisors for constructing steel and concrete bridge across Sacramento River one mile above Isleton, the county to furnish 556,000 lbs. of structural steel, all other materials to be furnished by contractor:

Jenkins & Elton, 36th and Y Sts., Sacramento	$118,633
Healy-Tibbitts Const. Co., San Francisco	123,244
George Pollock Co., Sacto.	128,740
A. W. Kitchen Co., S. F.	129,800
Clinton Const. Co., S. F.	129,864
Foundation Co., S. F.	199,400

Drury Butler, County Surveyor.

SACRAMENTO, Cal.—Jenkins & Elton, 36th and Y Sts., Sacramento, at $118,633 awarded contract by the Supervisors for constructing steel and concrete bridge across Sacramento River 1 mile above Isleton, the county to furnish 556,000 lbs. of structural steel, all other materials to be furnished by contractor. Drury Butler, County Surveyor.

CALIFORNIA. — Following bids received Dec. 5 by State Highway Commission for constructing three rein. concr. bridges in Shasta County (commission to furnish rein. steel and cement):

Thompson, Miller & Thompson, Bacon Bldg., Oakland	$18,077
Kaiser Paving Co., Oakland	18,922
R. B. McKenzie, Gerber	19,096
Ward B. Esterly Co., S. F.	19,959
Edw. H. Martin, Oakland	19,964
J. L. Webster, Chico	20,030
T. H. Polk, Chico	22,183
John H. May, Napa	23,212
Engineer's estimate	$30,237.30

SACRAMENTO, Cal. — Thompson, Miller & Thompson, Bacon Bldg., Oakland, at $18,077 awarded contract by State Highway Commission for constructing three reinforced concrete bridges in Shasta County; across Anderson creek, Canyon creek and Oregon Gulch near Redding.

RICHMOND, Contra Costa Co., Cal.—Col. Herbert F. Deakyne, engineer in charge of rivers and harbors in this district, has notified the Richmond City Council that he has requested an appropriation of $120,000 for Richmond harbor improvements for next year. The city will meet the appropriation with a similar sum.

MARYSVILLE, Yuba Co., Cal.—Yuba County Supervisors have appointed a committee to confer with Sutter County Supervisors regarding construction of a bridge and road to Bert's Feather River Resort. L. B. Crook, Yuba County Surveyor, has prepared plans for the work.

STOCKTON, San Joaquin Co., Cal.—Supervisors approve specifications for protection work in Mormon Slough Protection District No. 1. This includes revetment work on the north bank of the slough. An assessment of $1 per acre on the 6616.81 acres in the district will be levied.

LOS ANGELES, Cal.—Engineer E. L. Mayberry, 472 Pacific Electric Bldg., is taking bids for 750,000-gal. reinforced concrete reservoir, pumphouse and settling basin at golf course on Pico Blvd., for Ambassador Hotel System.

SAN ANDREAS, Calaveras Co., Cal.—McCarty & Bonfilio, Mokolumne Hill, at $2,117 awarded contract by the Supervisors for constructing reinforced concrete bridge over Los Muertos creek, near Pecchenio's place, on road leading from Angels Camp to Carson Hill also for constructing concrete culvert and making about a 2,000 yd. fill for approach to the bridge. W. S. Coulter, County Surveyor.

FRESNO, Fresno Co., Cal.—Until Jan. 4, 2 P. M., bids will be received by D. M. Barnwell, County Clerk, for constructing concrete culvert in Modoc Ave., Road District No. 1, involving 27.0 cu. yds. concrete and 1850 lbs. reinforcing steel. Chris. P. Jensen, Cory Bldg., Fresno, County Surveyor.

HANFORD, Kings Co., Cal.—Supervisors approve specifications for three bridges in Road District No. 4, over Fall slough and two over Sand slough. Bids will be asked shortly. Roy May, County Surveyor.

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Cal.—Until Dec. 23, 10 A. M., bids will be received by Turlock and Modesto Irrigation Districts, in joint session, for furnishing and delivering f. o. b. cars factory, from 50,000 to 200,000 barrels of Portland cement, delivered at a rate of about 25,000 barrels a month, beginning January, 1922.

Bids will also be received on the same date for furnishing and delivering f. o. b. cars, San Francisco, steel reinforcing bars. **See call for bids under official proposal column in this issue.**

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REDDING, Shasta Co., Cal.—Approximately 20 land owners in the Fall River Valley has signed an agreement to form an irrigation district comprising 14,000 acres, water to be taken from three points of the Fall river. The land to be irrigated lies in the vicinity of Glenburn, Fall River Mills and McArthur.

OAKLAND, Cal.—Until December 19, 10 A. M., bids will be received by Geo. E. Gross, County Clerk, for constructing reinforced concrete bridge near Alvarado, involving 300 cu. yds. excavating and grading, 180 cu. yds. concrete 1-2-4 mix, 35,000 lbs. steel. Geo. A. Posey, County Surveyor.

SAN JOSE, Santa Clara Co., Cal.—Herschbach and Sciarrino, 560 Park St., San Jose, at $6,279 awarded contract by Supervisors to construct reinforced concrete bridge in San Martin Ave., Supervisor District No. 1. Other bids were: Lassen & Meyerholz, $9165; Wm. Martin, $7135; John W. Williams, $7486; W. S. Dow, $6750. Estimate of County Surveyor Irving L. Ryder, $7,455.

SAN JOSE, Santa Clara Co., Cal.—Until Jan. 3, 11 a. m., bids will be received by Henry A. Pfister, County Clerk, for constructing reinforced abutments for a bridge on the Thomas road over the Carnadero Creek in Supervisorial District No. 1.

Separate bids, same date, for constructing reinforced concrete culvert on Middlefield road at Charleston road in Supervisorial District No. 5. Specifications on file in office of Clerk. Irving L. Ryder, County Surveyor.

STOCKTON, San Joaquin Co., Cal.—A petition seeking the formation of the Tracy Clover Irrigation District has been forwarded by the County Supervisors to the State Engineer's office for investigation.

MERCED, Merced Co., Cal.—Supervisors will set date in immediate future to decide on the formation of the proposed West Joaquin Irrigation District. A. L. Cowell of Merced is attorney for the district.

ONNARD, Los Angeles Co., Cal.—The Las Posas Water Co. has decided to develop 500 miners inches of water from wells in addition to its present supply, for irrigation of about 4000 acres. Water will be distributed by two mutual water companies to be organized, No. 1 serving about [illegible] and No. 2 about 1200 acres. The estimated cost of the project for zone No. 1 is $180,000 and for zone No. 2 about $112,000, a total of $292,000.

SUTTER CITY, Sutter Co., Cal.—Martin C. Polk, engineer, City Hall, Chico, has been retained to establish boundaries for the proposed Sutter City Irrigation District and prepare es-

timates of cost for improvements contemplated. The proposed district comprises about 2,500 acres and is being organized by S. W. Mudgette, Kent Norris and Fred Havens of Sutter City.

LIGHTING SYSTEMS

HAYWARD, Alameda Co., Cal.—The Trustees are planning the installation of an electrolier system in Castro and B streets and for portions of A. C. and Main streets. Estimates of cost are being prepared by Town Engineer Jesse B. Holly.

SAN MATEO, San Mateo Co., Cal.—Atlas Electric Co., San Mateo, at $14,398.40 awarded contract by City Trustees to install 65 cast iron single light standards in portions of B St., Baldwin Ave., El Camino Real, 1st, 2nd and 3rd Aves., etc. Other bids were: Turner Co., San Francisco, $15,361.92; H. C. Reid & Co., San Francisco, $16,614; M. E. Ryan, Redwood City, $17,653.35; Watts Electric Co., Burlingame, $20,104.70; Butte Electric & Mfg. Co., San Francisco, $26,680.28. G. S. Whitehead, City Engineer.

REDWOOD CITY, San Mateo Co., Cal.—Until Jan. 3, 7:30 P. M., bids will be received by W. A. Price, City Clerk, for installing electrolier lighting system, involving 9600 lin. ft. 1¼-in. conduit and 9600 lin. ft. 2-in. cond. cable; 53 electroliers. C. L. Dimmitt, City Engineer.

HEALDSBURG, Sonoma Co., Cal.—City Trustees are planning the installation of street lighting system in addition to street paving program.

MACHINERY

FRESNO, Fresno Co., Cal. — Until December 13, 8 P. M., bids will be received by J. A. Polytress, Clerk, Washington Union High School District, Route G, Box 61, for furnishing and delivering one school bus body.

Separate bids will be considered on same date for furnishing and delivering one 1½-ton Ford truck with extension for school bus purposes.

ALHAMBRA, Cal. — Shinn-Holtz-Lyon Co. was awarded contract for furnishing 24 ft. 12-in., 2130 ft. 6-in. and 800 ft. 4-in. Class B cast iron pipe and fittings to city.

SACRAMENTO, Cal.—National Cast Iron Pipe Co., Rialto Bldg., at $1,977 submits low bid to City Commission for fur. and del. cast iron pipe. Other bidders: U. S. Cast Iron Pipe & Foundry Co., Monadnock Bldg., San Francisco, $2,169; American Cast Iron Pipe Co., Balboa Bldg., San Francisco, $1,981; R. D. Wood Co., San Francisco, $2,699. Material to be furnished includes: 2500 lin. ft. 6-in. cast iron B pipe, in 12-ft. lengths; 6 6-in. C. I. solid sleeves; 6 6-in. C. I 45-deg. and 6 6-in. C. I. 90-deg. ells, B & S. Albert Givan, City Engineer.

MODESTO, Stanislaus Co., Cal.—Directors of Modesto Irrigation District reject bids to construct telephone line from Modesto to La Grange and have employed E. E. Stewart of Modesto to do the work by day labor. Percy Jones, engineer for district.

LOS ANGELES, Cal.—Vernon Oil Refining Co. has been granted a franchise for a pipe line from a point on Monterey Ave. north of Summit road to Pacific Electric Railway on Temple Ave.; about 5630 ft.

DELANO, Kern Co., Cal.—Until Dec. 19, bids will be received by W. E. Reid, City Clerk, for furnishing and delivering a tractor.

ALAMEDA, Alameda Co., Cal.—Board of Public Utilities, City of Alameda, will receive bids until December 15, 5 P. M., for furnishing and delivering feeder regulators. **See call for bids under official proposal column in this issue.**

SAN FRANCISCO.—Following bids received by Board of Park Commissioners for fur. and del. one 14 to 20-H.P. caterpillar tractor:

Adams Imp. & Engine Co.	$1,578.00
Holt Mfg. Co.	2,232.50
C. L. Best Tractor Co.	3,100.00
Yuba Products Co.	3,100.00
Joshua-Hendy Iron Wks.	4,400.00
and	1,950.00

REDWOOD CITY, San Mateo Co., Cal.—As previously reported, bids will be received by W. A. Price, City Clerk, for fur. and del. cast iron water pipe. C. L. Dimmitt, City Engineer. **See call for bids under official proposal column in this issue.**

PLACERVILLE, El Dorado Co., Cal.—Contract for fur. and del. steel water pipe awarded by City Trustees to Western Pipe and Steel Co., 444 Market St., San Francisco, at $3,031.

Pipe covered in this contract fully described in these reports of Nov. 25.

SAN LUIS OBISPO CO., Cal.—City Engineer Warren Burch instructed to prepare specifications for furnishing and delivering pump with capacity of 450 to 525 gallons of water per minute.

EUREKA, Humboldt Co., Cal.—City Council has ordered bids received for furnishing and delivering 10,000 feet of copper wire for use of municipal railway system. Harry H. Hannah, City Engineer.

RAILROADS

SANTA ANA, Orange Co., Cal.—It is announced by Union Pacific Ry. Co. that it will spend $2,995,510 on extensions of Salt Lake Route in Orange County.

SAN FRANCISCO.—Board of Public Works has requested Supervisors to adopt ordinance authorizing the purchase of 20 new street cars for use on the Municipal Railway system; estimated cost between $300,000 and $350,000. M. M. O'Shaughnessy, City Engineer.

SAN FRANCISCO—Until Dec. 21, 3 P. M., bids will be received by the Board of Public Works for furnishing and delivering ties for municipal railway extensions. (1) for furnishing and delivering Municipal pipe yards, 6th and Hubbel streets, 20,000 redwood ties; (2) for furnishing and delivering same point, 20,000 cedar ties. Specifications on file in office of City Engineer, 3rd Floor, City Hall.

SAN FRANCISCO—Until January 4, 1922, 3 P. M., bids will be received by the Board of Public Works, under Hetch Hetchy Project Contract No. 127, for furnishing and delivering steel rails and track materials for municipal railway extensions. Bids will be taken under three Sections (a) for furnishing and delivering 820 tons of 9-in. girder rail; 1,600 pairs joint plates; 150 kegs track bolts; Section (b) 200 kegs spikes and 30,000 tie plates; (c) 3,000 tie rods. Under Section A bond of $20,000 required of successful bidder; B, $3,000; C, $400. Specifications may be had from City Engineer's Office, 3rd Floor, City Hall.

SPOKANE, Wash.—Great Northern Railroad contemplates double-tracking its road between Wenatchess and Harrington. The work is estimated to cost $700,000. P. S. Hervin, district engineer for the company, has already prepared preliminary plans for the work.

LOS ANGELES, Cal.—State Railroad Commission has directed the Southern Pacific, Santa Fe and Los Angeles and Salt Lake railroads to take immediate steps to obtain a site and erect a union passenger station in this city. Plans and estimates of cost of the proposed station will be submitted to the Railroad Commission before construction is undertaken.

FIRE EQUIPMENT

OAKLAND, Cal.—City Council, Eugene K. Sturgis, Clerk, appropriates $13,000 for the purchase of apparatus for the Fire Department.

OAKLAND, Cal.—Until December 15, 12 noon, bids will be received by Eugene K. Sturgis, City Clerk, for furnishing and delivering one motor propelled, chain drive, triple combination, 750-gallon pumping engine for Fire Department. Specifications on file in the office of the clerk.

HANFORD, Kings Co., Cal.—City Trustees are planning the purchase of a new fire apparatus. Specifications have been submitted by the fire department.

EUREKA, Humboldt Co., Cal.—Following bids received and taken under advisement by Council for furnishing and delivering one gasoline driven, triple combination, chemical and hose car: American La France Fire Engine Co., as per specifications, $13,650, for cushion tires deduct, $250, for single chemical tank deduct $400; Seagrave Fire Engine Co., $13,550, without pneumatic tires or cushion wheels, $13,330; Stutz Fire Engine Co., one tank only, no dual pneumatics, $13,000.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

FIREBAUGH, Fresno Co., Cal.—City Trustees have adopted resolutions of intention to construct a water system with converse lock joint pipe, asphalted together, 400 gal. pump, 30 h. p. elec. motor, 30 h. p. gas engine, concrete pump pit and galvanized iron pump house; 1911 Act.

CALIFORNIA— Following are approximate quantities of materials required for constructing state highway in San Francisco and San Mateo Counties, between Sloat Boulevard and Sneath road, 7.3 miles of grading, bids for which will be opened by the State Highway Commission December 19, 2 P. M.: 163,700 cu. yds. excavation without classification; 21,200 cu. yds. gravel surface; 525 cu. yds. Class A Portland cement concrete (culverts and monuments); 62 lin. ft. 12", 1,442 lin. ft. 15", 280 lin. ft. 18" and 176 lin. ft. 24" corrugated metal pipe; 144 each, hauling and setting monuments. Commission will furnish reinforcing steel, corrugated metal pipe and cement.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., awarded contract at $40,409.75 for paving Eagle Rock Ave. with cem.

concr. and constructing monolithic concr. and concr. pipe storm sewers. Geo. R. Curtis submitted only other bid at $41,035.90; engineer's estimate, $38,296.97.

SAN FRANCISCO—Raisch Improvement Co., 46 Kearny St., at $59,831, has been awarded a contract by the Board of Public Works for improving San Jose avenue between Ottowa and Sickles avenue, involving 8,530 cu. yds. cut; 4,960 cu. yds. fill; 5,816 lin. ft. concrete curb; 590 lin. ft. culverts; 16 brick catchbasins; 124,415 sq. ft. asphalt concrete pavement. M. M. O'Shaughnessy, City Engineer.

SEATTLE, Wash. — Olympic Construction Co., 1326 Northlake Ave., Seattle, at $324,604 awarded contract by Council to improve Elliott Ave., using either clay or concrete pipe.

CALIFORNIA.—Following bids received by State Highway Commission Dec. 5: 7.9 miles in Santa Clara County, bet. Morgan Hill and Gilroy, involving 9,210 tons of asph. concrete surface. Commission to furnish broken stone, sand, stone dust and asphalt cement.

Hugh Crummey	$47,523.60
Pacifific States Const. Co., San Francisco	53,418.00
Clark & Henry, Stockton	44,115.90
Grant Smith Co., S. F.	56,365.20
Engineer's estimate	47,661.75

3.7 miles in Fresno County bet. Selma and Kingsburg to be paved with concrete shoulders and asph concrete wearing surface; involves: 2,015 cu. yds. Class "A" cement concrete (shoulders and repairs to old base); 50 cu. yds. removal of broken concrete in existing base; 4,400 tons asphalt concrete surface; 3.71 miles grading earth shoulders. Commission will furnish reinforcing steel, cement, sand and coarse aggregate for concrete and broken stone, sand, stone dust and asphaltic cement for asphalt concrete.

California Const. Co., S. F.	$37,739
Engineer's estimate	42,504

7.0 miles in Los Angeles, two sections, to be surfaced with asphalt concrete, involves, 10,240 tons asphalt concrete surface; 7.04 miles grading earth shoulders. Commission will furnish broken stone, stone dust and asphaltic cement.

Southwest Paving Co., Los Angeles	$ 75,648.00
Fairchild, Gilmore, Wilton Co., Los Angeles	76,960.00
Geo. H. Oswald, Los Angeles	88,633.60
Engineer's estimate	101,715.20

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy completes specifications for improving 17th St. bet. Santiago and Taraval Sts.; estimated cost $15,000; involving: 3070 cu. yds. fill; 5270 cu. yds. cut; 1200 lin. ft. concrete curb; 4200 sq. ft. vertical fibre brick pavement and 19,800 sq. ft. asphaltum concrete pavement.

HANFORD, Kings Co., Cal.—Trustees are planning paving West Ninth street, between Phillips and Irwin streets. Definite action postponed until later date.

VAN NUYS, Los Angeles Co., Cal.—Petitions for paving W. Vanowen St. from Sherman Ave. to Reseda Ave. with asphaltic concrete 5-in. thick and 18-ft. wide have been filed with Council.

OROVILLE, Butte Co., Cal.—Butte County Supervisors enter into contract with Natomas Company to purchase rock and gravel for county road improvements covering next two years: Crushed rock at $1 a ton; screen gravel at $.50 a ton. The Natomas Company under the contract reserves the right to furnish all rock products for both bonded roads and county road work during the years 1922 and 1923. Harry Hume, County Surveyor.

SPOKANE, Wash.—Miracle Concrete Corp., Great Falls, Montana, at $318,000 awarded contract by council to construct down town intercepting sewer. Frank O'Neil will supervise the work.

SALEM, Ore.—Until Dec. 15, 10 A. M., bids will be received by State Highway Commission for highway projects as follows:

Coos County: Myrtle Point-Bridge Section of the Coos Bay-Rosenberg Highway, 10.0 miles of grading involving 137,000 cu. yds. of excavation.

Douglas County: Myrtle Creek Section of the Pacific Highway, 0.27 miles of grading involving 5650 cu. yds. of excavation and 350 cu. yds. of rubble masonry construction.

Jackson County: Medford-Agate Section of the Medford-Crater Lake Highway, 8.5 miles of grading and crushed gravel surfacing, involving 42,000 cu. yds. of excavation and 18,000 cu. yds. of crushed gravel surfacing.

Union County: Island City-Elgin Section of the La Grande-Enterprise Highway, 18.1 miles of grading involving 157,000 cu. yds. excavation.

OAKLAND, Cal.—Council, Eugene K. Sturgis, City Clerk, declares intention to construct 6 feet wide cement sidewalks, where not already, in portions of Broadway, Merritt, Brooklyn Aves., Lakeshore Boulevard, 33rd, 34th, 35th and Jones Aves. Improvement Act 1911. Geo. Mattis, City Engineer.

SAN JOSE, Santa Clara Co., Cal.—Council, John J. Lynch, City Clerk, declares intention to improve 12th St. between Taylor and Mission streets by grading, paving with 3½-in. asphaltic concrete base and 1½-in. asphaltic concrete surface, concrete curbs and gutters. Wm. Popp, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—Supervisors authorize the completion of specifications for proposed Alhambra Heights sewer system, just outside the city limits of Martinez. A district has been organized to finance construction. R. R. Arnold, County Surveyor.

YUBA CITY, Sutter Co., Cal.—Byrne and Yost, 900 "O" St., Sacramento, at $71,830 for cement concrete paving, awarded contract by Supervisors for constructing Knights Landing-Kirksville road from Knights Landing to Maddock; pavement 15 ft. wide, 5 in. thick, 4.24 miles. Bids follow: Alt. "A": Byrne and Yost, $71,830; A. Teichert & Son, Sacramento, $74,346; W. A. Kettlewell & Sons, Oakland, $80,840; Blumencranz & Vernon, Stockton, $81,125; Conners & Hansen, Sebastopol, $86,370; Clark & Henery, Stockton, $87,915; John Doyle, San Jose, $89,340; C. H. and A. W. Gorrill, San Francisco, $92,680. For asphalt macadam, Alt. B: J. J. McHugh, San Francisco, $57,145; Blumencranz & Vernon, $60,050; M. F. Sullivan, Sacramento, $65,130; Clark & Henery, $74,385. Engineer's estimate, "A," $79,150; "B," $65,325.

Chesson & Lilly, Yuba City, at $5860 awarded contract for paving with waterbound macadam, 15 ft. wide, 4 in. thick, 2.12 miles, Oswald lateral, the county to furnish the necessary rock. Only other bidder was M. C. Hillard, Sacramento, at $10,250.

Contract for furnishing rock on Oswald lateral awarded to E. B. and A. L. Stone Co., San Francisco, at $1.80 a ton. Only other bidder: Coast Rock and Gravel Co., San Francisco, $1.95 ton.

M. G. Dewitt, Sutter City, Cal., at $2320 awarded contract for constructing township line road from Lincoln road to Kerrigan Corners, to be constructed of Butte House rock, 10 ft. wide, 5 in. thick, 1.0 miles; approximately 800 cu. yds. rock.

Oscar Lansendorf, County Engineer.

HEALDSBURG, Sonoma Co., Cal.—City Trustees have practically agreed to paving every street in the town with a 4-in. concrete base and a 1½-in. Warrenite-bitulithic surface. Estimated cost, $182,500.

KINGMAN, Ariz. — Improvement of 17-mile hill near Little Meadows on the Oatman-Kingman highway will be started by the state soon, the work being done by force account. Estimated cost, $45,000.

LODI, San Joaquin Co., Cal.—City Engineer L. F. Barzellotti is preparing specifications for paving aproximately 1½ miles of streets. Hilborn street, from Stockton avenue to city limits, and portions of Central and Grand avenues.

RICHMOND, Contra Costa Co., Cal.—A revised petition has been submitted to the City Council seeking the improvement of Ohio avenue and Thirty-seventh street. Plans originally prepared for this work provided for an 18-ft. concrete roadway, with 3 ft. shoulders on oil macadam, sidewalks and board walks, but no curbs or gutters. The revised petition asks an 18-ft. asphaltic concrete pavement, no shoulders, gutters or sidewalks and for wooden crosswalks. H. D. Chapman, City Engineer.

BURLINGAME, San Mateo Co., Cal.—Seventy-five residents in Burlingame Terrace urged the Trustees at the last meeting to order the immediate improvements of streets in that section. City Engineer Torello has been instructed to prepare preliminary data. The Trustees plan to have the work under way next Spring.

REDWOOD CITY, San Mateo Co., Cal.—City Trustees reject bid of W. W. Thompson, Redwood City, at $0.069 sq. ft. for surfacing with asphaltic oil and stone screenings existing macadam pavement in portions of Duane St., Brewster Ave. and Archer St., approximately 70,000 sq. ft. Engineer's estimate, $4200. C. L. Dimmitt, City Engineer.

STOCKTON, San Joaquin Co., Cal.—Until January 3, bids will be received by A. L. Banks, City Clerk, for improving streets in Lake Park Addition, involving 8,764 cu. yds. excavation; 1,401 cu. yds. embankment; 16,124.21 lin. ft. curb and gutter; 76,655.35 sq. ft. sidewalk; 293,145.61 sq. ft. 4-in. cement gravel base with 2-in. asphaltic macadam wearing surface.

Separate bids, same date, for improving streets in City Park Terrace and Lakeside Terrace, involving 6,072 cu. yds. cut; 1,248 cu. yds. fill; 10,528.95 lin. ft. curb and gutter; 51,125.10 sq. ft. sidewalk; 174,159.22 sq. ft. 4-in. cement gravel base with 2-in. asphaltic macadam wearing surface. W. B. Hogan, City Engineer.

ORANGE, Orange Co., Cal.—The city's improvement program for the coming year includes the paving of the following streets: E. Chapman Ave., 4400 ft.; Orange Ave., 1300 ft.; Olive St., 1300 ft.; Lemon Ave., 1300 ft.; Almond Ave., 700 ft.; Maple Ave., 700 ft. and Palm St., 1600 ft.; a total of about 2 miles. Sewers will be laid in the streets before paving is done.

SACRAMENTO, Cal.—City Council, M. J. Desmond, Clerk, declares intention to improve:

Santa Ynez Way bet. J and H Sts., concrete curbs and gutters; 8-in. cast iron gutter drains connected to manholes with 6-in. vitrified pipe; concrete manholes; 1-in. connection to water mains; grading and paving with 5½-in. asphaltic concrete. Improvement Act 1911.

Alley bt. L and M, 3rd and 4th Sts., reconstructing 1 concrete catchbasin; concrete protective covering for sewer; reconstructing 1 flush tank, grading and paving with 5½-in. asphaltic concrete. Improvement Act 1911.

P St., from manhole in alley bet. 35th St. and Santa Ynez Way to 35th St., by constructing vitrified pipe sewer, 2 concrete manholes; 3-ft. right-of-way, owned by city, along south bound. Lot G, Wright & Kimbrough Sub. No. 20 from 35th St., to alley bet. 34th and 35th Sts., from R St., to point 735 ft. north by constructing vitrified pipe sewer with 36 vitrified wyes, 3 concrete manholes. Improvement Act 1911.

37th St., from H St. to a point 1,072 ft. north concrete curbs and gutters; 3 cast iron gutter drains connected to sewer with 6-in. vitrified pipe; 2 concrete manholes; 8-in. vitrified pipe sewer with 21 6-in. vitrified wyes; 21 6-in. vitrified pipe sewer connections from wyes on main sewer to curb edge; 1-in. connections to city mains, grading and paving with 5½-in. asphaltic concrete; 38th St., from H St. to point 1158 ft. north; Concrete curb and gutter, 3 cast iron gutter drains connected to manhole with 6-in. vitrified pipe; 2 concrete manholes; 8-in. vitrified sewer with 24 6-in. vitrified wyes; 24 6-in. vitrified pipe connections from wyes; 1-in. connections for city mains, grading and paving with 5½-in. asphaltic concrete. F St., bet. 37th and 38th Sts., concrete curbs and gutters, grading and paving with 5½-in. asphaltic concrete. Improvement Act 1911. Albert Givan, City Engineer.

OAKLAND, Cal.—Until Dec. 22, 12 M., bids will be received by Eugene K. Sturgis, City Clerk, for grading and drainage work on the extension of the Skyline Boulevard from County Road No. 2935, southeasterly. Project involves: 54,385 cu. yds. excavation and 400 lin. ft. 10-in. vit. pipe conduit. Plans on file in office of City Clerk. Geo. Mattis, City Engineer.

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SACRAMENTO, Cal.—Supervisors authorize improvement of county roads in vicinity of Galt, Elk Grove, Wilton and other immediate sections in the Fifth Supervisor District, the cost not to exceed $25,000. Drury Butler, County Surveyor.

COLUSA, Colusa Co., Cal.—City Trustees propose improvements to sewer system and instruct city clerk to communicate with city engineer of Sacramento regarding the work.

MERCED, Merced Co., Cal.—County Engineer A. E. Cowell is completing plans for paving "half street," just north of the old high school building, officially designated at 22nd St., bet M. and N streets.

SACRAMENTO, Cal.—The recent award of contract to the General Construction Co., Sharon Bldg., San Francisco, for three gaps in the River Road has been modified by the County Supervisors. Two instead of three will be constructed at a cost of approximately $60,000. Section 1, $45,000; Section 2, $11,000. The third unit will be constructed by the State Highway Commission and the Supervisors, the State to furnish cement. Drury Butler, County Surveyor.

BAKERSFIELD, Kern Co., Cal.—Construction of a million dollar highway project, connecting Arvin with the main arteries of motor transportation, is proposed by the Arvin District Road Committee. From a point 2 miles east of Edison the proposed road would run south through Arvin and Tejon ranch connecting with the Ridge route at a point where the Taft highway touches the Ridge Route with a spur connecting with the highway at Weed Patch store, running east through Arvin and past Rockpile school. A concrete pavement 18 ft. wide and 6 in. thick is proposed. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, will be proposed to act as consulting engineer.

MADERA, Madera Co., Cal.—City Trustees petitioned to pave B street, from Sixth street, south to intersection of B, Ninth street and Sunset avenue, also for paving Sunset avenue, from B street to city limits. Due to the fact that the trustees are considering an extensive paving program in the Spring no immediate action is expected. Frank Nikirk, City Engineer.

SANTA BARBARA, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Railway Bldg., Los Angeles, awarded the contract by Supervisors at $497,989.41 to construct Surf-Lompoc highway, 29 miles in length, in Lompoc permanent road division. The road will be paved with 5-in. asphaltic concrete. Bids were also taken for 20-mile section, but Fairchild-Gilmore-Wilton Co. bid only for the entire road. Warren Construction Co. of Portland, Ore., bid $552,827.99 for the entire 29 miles and $382,171.07 for 20 miles. California Construction Co. bid $578,848.13 for 29 miles and $394,845.99 for 20 miles. Hunter & Richardson gave notice they would contest the award. Their bid under a previous advertisement for 23 miles of highway was accepted, but later rejected by the Board of Supervisors on objections from residents of Lompoc district, who insisted on building of entire road.

SANTA BARBARA, Cal.—Hunter & Richardson, 525 E. Haley St., Santa Barbara, awarded contract at $55,136 for paving portions of Haley, Cota, Soledad and Casitas Sts. with 5-in. cement concrete base with 1½-in. asphaltic concr. top; combined cement curb and gutter, 8-in. and 6-in. vitrified pipe sewers, 76 4-in. house connection sewers, dry rubble walls, catch basins. Fairchild-Gilmore-Wilton Co. bid $63,000; E. H. Hunt bid $66,000; engineer's estimate, $55,136.

OROVILLE, Butte Co., Cal.—J. A. Huntington, Oroville, at $12,500 awarded contract by supervisors for surfacing Section B, Route 25, Oroville and Bangor county bond road. Only other bidder was Richmondite Paving Co., Oroville, $13,500.

J. A. Huntington, only bidder, at $8730 awarded contract for grading same road. Harry H. Hume, County Surveyor.

STOCKTON, San Joaquin Co., Cal.—Until December 20, bids will be received by A. L. Banks, City Clerk, for improving East street, from Main to Fremont, involving 1,633 cu. yds. cut; 471 cu. yds. fill; 3,029.30 lin. ft. curbs and gutters; 10,282.83 sq. ft. sidewalks; 86,808.63 sq. ft. 2½-in. cement gravel base with 4½-in. asphaltic concrete wearing surface laid in one course. W. B. Hogan, City Engineer.

SAN DIEGO, Cal.—Resolutions of Intention for sewers have been adopted by City Council as follows:

Sanitary sewer system in Carleton, Byron, Addison, Canon, Shafter and Rosecrans Sts., involving about 7921 ft. 6-in., 1987 ft. 8-in. and 500 ft. 10-in. pipe, 26 brick manholes; all pipe to be cement concrete, except 300 ft. 10-in. outfall sewer to be cast iron pipe; Vrooman Act.

Sanitary sewer system south of Main St. and east of 28th St., involving about 5540 ft. 6-in. cement pipe, and 21 brick manholes: Vrooman Act.

MERCED, Merced Co., Cal.—Bids of Teichert & Son of Sacramento and John R. Graham of Merced, for road improvements in the vicinity of Delhi, have been taken under advisement by the Supervisors. A. E. Cowell, County Surveyor.

SAN LUIS OBISPO, Cal.—Until Jan. 4, 10 A. M., bids will be received by F. J. Rodrigues, County Clerk, for hauling gravel for Arroyo Grande-Edna road. Contractor to furnish all labor, stock, material and equipment for hauling. Approximately 300 cu. yds. material to be loaded on vehicles at point of supply at county's expense. Specifications may be had from office of County Surveyor Warren B. Burch, Lowe Bldg., San Luis Obispo.

SACRAMENTO, Cal.—Until Dec. 15, 9 P. M., bids will be received by M. J. Desmond, City Clerk, for fur. and install. complete unit for Sewerage Pumping Station No. 1, consisting of two centrifugal pumps, 2 electric motors and auxiliary equipment. Plans on file in office of City Clery. Albert Givan, City Engineer.

TAFT, Kern Co., Cal.—Harron & Hayes, 259 15th St., San Francisco, at $14,888 awarded contract by the Trustees for constructing septic tank, 50x35x10 ft. in depth. Other bidders: Kaufield & Tompkins, $15,070; Curry & Dulgar, $15,700; P. Vitelle, $16,975.

SAN LUIS OBISPO, Cal.—Until Jan. 3, 2 P. M., bids will be received by F. J. Rodrigues, County Clerk, for constructing concr. comb. curbs and gutters in portions of 3, 4, 5, 6, 7, Market, Morro, Main and C Sts., Town of Morro; approximately 367,018 sq. ft. disintegrated rock base; 14,648 lin. ft. concr. curb; 25,670 sq. ft. concr. gutter, and 432,445 sq. ft. grading. Estimated cost, $35,000. Warren Burch, County Surveyor.

PLACERVILLE, El Dorado Co., Cal.—City Trustees vote to purchase high pressure system of El Dorado Water Co. The city recently purchased other parts of the company's system and plans immediate improvements.

EL CENTRO, Imperial Co., Cal.—H. H. Peterson, Loma Portal, San Diego, awarded contract for paving with concrete the 5 sections of Imperial County Highway.

MARTINEZ, Contra Costa Co., Cal.—County Surveyor R. R. Arnold is completing plans for the last seven miles of the San Pablo Canyon Highway and it is expected that bids will be called in January. The highway is graded, with the exception of one-half mile.

EUREKA, Humboldt Co., Cal.—Mercer-Fraser Co., Eureka, at $1.88 a yard awarded contract by Council to furnish and deliver 400 yds. gravel for street improvements. Only other bidder, F. W. Johnson at $2 yd. Harry H. Hannah, City Engineer.

BERKELEY, Alameda Co., Cal.—Hutchinson Co., 444 17th St., Oakland, awarded contract by City Council for constructing comb. concr. curbs and gutters in portions of Ridge road and

Le Roy Ave., including concr. valley gutters and curb inlets. C. L. Huggins, City Engineer.

FRESNO, Fresno Co., Cal.—State Highway Commission awards the following contracts:

To Clarke & Henery Constr. Co., 38 South Sutter St., Stockton, at $44,155.90 for 7.9 miles in Santa Clara County, bet. Morgan Hill and Gilroy, involving 9,210 tons of asphaltic concrete surface. Commission to furnish broken stone, sand, stone dust and asphalt cement.

To California Constr. Co., 58 Second St., San Francisco, at $37,739 for 3.4 miles in Fresno County bet. Selma and Kingsburg to be paved with concrete shoulders and asphaltic concrete wearing surface, involves 2,015 cu. yds. Class A cement concrete (shoulders and repairs to old base); 50 cu. yds. removal of broken concrete in existing base; 4,400 tons asphaltic concrete surface; 3.71 miles grading earth shoulders. Commission will furnish reinforcing steel, cement, sand and coarse aggregate for concrete and broken stone, sand, stone dust and asphaltic cement for asphaltic concrete.

To Southwest Paving Co., Washington Bldg., Los Angeles, at $75,648 for 7.0 miles in Los Angeles, two sections, to be surfaced with asphalt concrete, involves 10,240 tons asphalt concrete surface; 7.04 miles grading earth shoulders. Commission will furnish broken stone, stone dust and asphaltic cement.

TAFT, Kern Co., Cal.—Kaufield & Tompkins, 2225 Fresno St., Fresno, at $14,800 awarded contract by City Trustees for improving portion of Fourth street. Other bids: Worden & Jones, $17,744; Harron & Hayes, $15,721; Rogers Bros., $15,747.

STOCKTON, San Joaquin Co., Cal.—In order to comply with the law which limits expenditures for road work to 70 per cent of the general fund, County Supervisors returned, unopened, bids submitted for the Seavey and French Camp roads and new bids have been ordered received up to January 3, 10 A. M. Seavey road project involves, 5500 cu. yds. grading; 6870 tons crushed rock; 1650 tons dressing for oil and 1090 bbls. of asphaltic oil; estimated cost, $32,677.

For improving French Camp road, (grading will be done by force account, $4,780), project involves 10,420 tons crushed rock; 1330 tons asphaltic oil; 1610 tons dressing for oil; 1 corrugated culvert; concrete in culverts, 48.54 cu. yds. Estimated cost, $54,500. E. E. Quail, County Surveyor.

JACKSON, Amador Co., Cal.—Supervisors reject bids of Chas. Cook, $5847, and Geo. Murray, $5550, for the Defender grade road bids and the work will be done by day labor.

LOS ANGELES, Cal.—Resolution of intention adopted by County Supervisors for paving Florence Ave. south in Road Imp. Dist. No. 200 of Huntington Park with 6-in. cement concr. base and 2-in. ashpaltic concr. top; curb, sidewalk and reinf. concr. culvert; protests will be heard Jan. 3.

MARTINEZ, Contra Costa Co., Cal.—B. H. Green, former Superintendent of Streets, has been appointed to fill the office of City Engineer, due to the resignation of W. S. Farley.

SANTA ANA, Orange Co., Cal.—Graham Bros. & Bruce, 321 E Fourth St., Long Beach, awarded the contract by Supervisors at $32,112.03 for widening and building up the concr. pavement on Garden Grove Ave. with concr.

FRESNO, Fresno Co., Cal.—Until Jan. 4, 2 P. M., bids will be received by D. M. Barnwell, County Clerk, for constructing Parkhurst Ave. unit of highway system; 0.6 mile, 16 ft. wide; involving 1,230 cu. yds. earthwork; 54,400 sq. ft. asph. concr. pavement and 2 culverts. Chris. P. Jensen, County Surveyor.

SAN LUIS OBISPO, Cal.—County Engineer Warren B. Burch has completed plans and bids will be asked in January for the Ontario House-Avila road, involving 9379 cu. yds. excavation; 13,986 lin. ft. shaping and rolling and 3245 cu. yds. concrete pavement.

VALLEJO, Solano Co., Cal.—Until Dec. 19, bids will be received by Alf. E. Edgcumbe, City Clerk, for constructing in Indiana and Colusa Sts. approximately 970 lin. ft. 6-in. ironstone pipe; 30 6x4-in. wye branches; 1 manhole and 2 lampholes. Improvement Act 1911. Plans obtainable from City Engineer T. D. Kilkenny on deposit of $5.

ALAMEDA, Alameda Co., Cal.—Five miles of new water mains will be installed in Alameda, according to Geo. H. Wilhelm, vice-president and general manager of the East Bay Water Co., with offices at 510 16th St., Oakland. Pipe to be installed will cost approximately $144,631.50. Roughly, the improvements planned follow:

Webster St. from 9th to the estuary, 20-in. main, 2870 ft. long.

Webster St. from the estuary to Central Ave., 20-in. main, 7100 ft. long.

Across the estuary at Webster St., 24-in. main, 1000 ft. long.

Six-inch mains to be laid include:

Fernside Blvd., Encinal to Fairview, 2660 ft.; Liberty Ave., High to Fernside, 1240 ft.; Briggs Ave., High to Fernside, 620 ft.; Walnut St., Pacific to San Antonio, 2450 ft.; Chestnut St., Pacific to Eagle, 730 ft.; Chestnut St., San Antonio to Central, 1100 ft.; Union St., Central to Eagle, 2060 ft.; Grand St., Grand to south end of street, 1500 ft.; Sherman St., San Antonio to Clinton, 590 ft.; Eighth St., Pacific to Central, 1700 ft.

Installation of a 4-in. main is also planned on Chestnut St. between Lincoln and Central Ave.

The company will purchase all materials and will carry on the work under its own supervision.

FRESNO, Fresno Co., Cal.—Council, R. Y. St. George, City Clerk, declares intention to construct 6-in. vitrified clay pipe lateral sewer in Block 30, Kearny Boulevard Heights, southeast to alleys in Blocks 25 and 13, Paige Tract to 40 feet northwest of Kern St. with 4-in. on 6-in. wyes for each lot frontage, manholes. Improvement Act 1911. Protests December 22. Wm. Stranahan, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—W. E. Miller, 81 Church St., Santa Cruz, at $1,392.84 awarded contract by the Board of Education for 5385.22 sq ft. grading; 4545.22 sq. ft. concrete pavement; 840 sq. ft. concrete sidewalk (including 214 lin. ft. of concrete curb); 108 lin. ft. of 4-in. sewer laterals (4 laterals each 27 ft. long); 4 hand hole traps, complete; 4 taps in the main sewer; 26 lin. ft. of 5¾-in. x 12-in. part circles corrugated iron culvert. James K. James, City Engineer.

BERKELEY, Alameda Co., Cal.—Oakland Paving Co., 5000 Broadway, awarded contract by Council to improve Highland Place from Hearst Ave. to Ridge Road and north half of Hearst Ave. from La Loma Ave. to Highland Place, combination concrete curbs and gutters and 2 in. of concrete pavement. C. L. Higgins, City Engineer.

BERKELEY, Alameda Co., Cal.—Until December 20, 10 A. M., bids will be received by E. M. Hann, City Clerk, for improving Northbrae Ave. from Gilman St. to a point 220.81 ft. south; grading, redwood curbs, concrete gutters, macadamizing and surfacing with asphalt road oil. Improvement Act 1911. C. L. Higgins, City Engineer.

MONTEREY, Monterey Co., Cal.—City Council, Archie Kay, Clerk, declares intention to improve Houston St. from Webster to Pearl street by grading and paving with decomposed granite gravel, concrete curbs, gutters and graveled sidewalks. Improvement Act 1911. H. D. Severance, City Engineer.

SAN BERNARDINO, Cal.—H. H. Liebau, 426 Brookside Ave., Redlands, was awarded contract at $14,597 for paving Fourth St. between B St. and Waterman Ave., involving 101,433 sq. ft. 4-in. macadam pavement; 16,967 sq. ft. concr. gutter and 5772 sq. ft. 4-in. concrete pavement. W. D. Bohan submitted only other bid at $17,839.94, his unit price being 14c for macadam, 15.5c for gutter and 17.5c for concr. pavement. C. E. Johnson, City Engineer.

SAN FRANCISCO—C. B. Eaton, 407 Eleventh St., at $788 awarded contract by the Board of Public Works to improve Ellert St. between Bennington and Andover, involving 1,476 sq. ft. asphaltic concrete pavement and 99 lin. ft. concrete curb. M. M. O'Shaughnessy, City Engineer.

SACRAMENTO, Cal.—City Council, M. J. Desmond, Clerk, declares intention to improve Fourth Ave., from Franklin Boulevard to its west end; concrete curbs and gutters, 2 cast iron gutter drains, reconstructing 1 concrete manhole, 1-in. connections for city water mains, grading and paving with 5½-in. asphaltic concrete. Improvement Act 1911. Protests December 29. Albert Givan, City Engineer.

STOCKTON, San Joaquin Co., Cal.—County Engineer F. E. Quail is preparing plans for one mile of road (oil macadam) on Staten Island. Bids will be asked shortly.

MERCED, Merced Co., Cal.—Supervisors reject bids of John R. Graham of Merced and Teichert & Son of Sacramento for improving Delhi laterals, running 3 miles from state highway at Delhi to the Merced river. Work will be done by day labor. A. E. Cowell, County Surveyor.

CALEXICO, Imperial Co., Cal.—Lynn S. Atkinson, Chapman Bldg., Los Angeles, was the successful bidder at $269,495.60 for grading and constructing cement curb and sidewalks and crosswalks on a large number of city streets. The contract involves 474,270 sq. ft. cement sidewalk at 30c ft.; 36,622 sq. ft. crosswalks at 30c ft., 98,833 lin. ft. curb at 80c ft. and 30,600 cu. yds. grading roadways at $1.20 yd. S. R. Van Dyke, Calipatria, submitted the only other regular bid at 30c for walks, 32c for crosswalks, $1 for curb and $1 for grading; total, $282,162.64. H. Oliver Williams, San Diego, submitted a bid at $252,839.26, which was rejected on account of lack of bond. His prices were 30c for walk, 33c for crosswalks, 70c for curb and $1 for grading. Work will be done under 1911 Act. Paul M. Entenmann, City Engineer

STORES AND OFFICES

(Continued from Page 12)

Plans Completed.
ADDITION Cost, $——
FRESNO, Fresno Co., Cal. Divisadero St. and Roosevelt Avenue.
One-story brick addition to present 1-story office building, 27x95.
Owner—Union Oil Co., Premises.
Architect—Not given.

Figures To Be Taken Next Week.
STORE, ETC. Cost, $40,000
SAN FRANCISCO. NW Mission and Annie Sts.
Two-story and basement Class "C" brick store and loft building.
Owner—Name withheld.
Architect—A. H. Knoll, Hearst Bldg.

Plans Being Figured.
STORE, ETC. Cost, $50,000
RICHMOND, Contra Costa Co., Cal. NW Macdonald Ave. and 11th St.
Two-story reinforced concrete store and dance hall bldg.
Owner—Adolph Winters, 329 Macdonald Ave., Richmond.
Architect—A. W. Cornelius, Merchants Natl. Bank Bldg., San Francisco.
The foundation is already in.

SEATTLE, Wash.— Architect John Graham, Smith Bldg., has filed application for a building permit to erect the proposed 13-story Class A office building for the Dexter Horton Estate, New York Block, Seattle, on Third avenue, 120 by 127 feet. Estimated cost approximately $1,000,000.

RENO, Nevada.—R. M. Preston has purchased the site at Third and Sierra streets and plans the erection of a modern three-story office building. Tenants now occupying the premises have been notified to vacate April 1, 1922.

SEATTLE, Wash. — Announcement has been made by George T. Reid, assistant to the president of the Northern Pacific Railroad Company., and confirmed by A. L. Hawley, manager of the road, with offices in the Central Bldg., that two stories will be added to that structure costing $175,000. The name of the architect selected to prepare the plans has not been made public.

SELMA, Fresno Co., Cal.—Additional property has been purchased by P. H. Hansen & Son at Mill and Selma sts. They propose to move the present structure to the rear of the property and erect a new store building.

SACRAMENTO, Cal. — Architects Woollett & Lamb, Hagelstein Bldg., Sacramento, opened the following bids on December 5th for the construction of a 2-story brick office building for A. M. Mull. It is to be erected on "L" St. between 10th and 11th Sts. in Sacramento:

Mason Work, Etc.

Larsen-Siegrist (masonry, carpenter work, steel, cast cement, plastering)	$124,900
Charles Stockholm (masonry, carpenter work, steel work)	103,684
West Coast Construction Co. (masonry, carpenter work, steel work)	96,170
Wm. Murcell (masonry, carpenter work, steel work, cast cement, glazing, plastering, roofing and marble work	96,183
Herndon & Finnigin (on entire work)	132,519

Steel Work

Pacific Rolling Mills	$ 2,278
Palm Iron Works	1,540
Kyle & Co.	1,880
Western Iron Works	1,894

Plastering

A. Knowles	$ 11,510
T. J. Pennish	14,666
McGruer & Simpson	14,198
W. B. Scollam	15,763

Cast Cement

A. Knowles	$ 4,543
MacGruer & Simpson	5,700

Roofing

Johns-Manville	$2,085.60
Allen L. Burr	1,922.28
E. S. Warner	2,020.50
Bender Roofing Co.	2,016.00
Fibrestone Roofing Co.	2,010.00

Sheet Metal

McLaughlin Sheet Metal Co.	$2,720.00
Frank Z. Ahl	4,174.00

Glazing

W. P. Fuller Co.	$ 4,997
Cobbledick-Kibbe Co.	4,790

Painting

Schneider, Chappell & Jones	$10,025
Chappell & Labhard	9,319
Clyde S. Simmonds	5,248
Wm. Berstein	9,380
I. R. Kissel	6,379
D. Zelinsky & Sons	7,510
R. Zelinsky	7,275

Marble and Tile

H. P. Fisher	$ 1,406
H. O. Adams	1,528
Carlaw Bros	2,456

Electric Wiring

Geo. C. Foss	$ 6,947
Sterling Electric Co.	6,975

Combined Sheet Metal, Heating and Electric Work

Latourette-Fical Co.	$16,900
Mechanical Engineering & Supply Co.	19,328

Heating

Mechanical Engineering & Supply Co.	$11,670
Gladding, McBeam Co.	$ 6,875

SUMMARY

(Adding sub-bids together)	Total.
West Coast Construction and others	$153,027
Wm. Murcell and others	154,665
Herndon & Finnigan (the entire work as specified)	134,431

It is expected that a contract will be entered into with Herndon & Finnigan, 1814 17th St., Sacramento, to do the work.

The work was estimated by the architects to cost within $150,000.

BUSINESS OPPORTUNITIES

Glendale Hardware Co., 601 East Broadway, Glendale, Cal., desires to get in touch with San Francisco manufacturers of cast iron window sash weights.

John C. Da Costa, III, 1529 Pine St., Philadelphia, Pa., desires to get in communication with automobile custom body builders.

George W. Hall, General Delivery, Calexico, Cal., is in the market for wardrobe trunks.

Standard Paint Products Co., 221 E. 9th St., Los Angeles, Cal., is in the market for asbestos fibre.

P. Derkalousian, P. O. Box 51, Visalia, Cal., wishes to get in touch with manufacturers of pipe organs.

General Battery & Supply Co., 352 Railway Exchange Building, Chicago, Ill., desires to secure a reliable representative to act as their distributor in this city.

STREET WORK SUIT WON BY CITY OF VALLEJO

The Third District Court of Appeal has affirmed the judgment of the Solano County Superior Court in an appeal growing out of a suit brought by Frank E. Powers, Margaret G. Scully and Jennie A. Schofield against H. H. Holmes, City Tax Collector of Vallejo, and others to enjoin the sale of certain lots in that city to satisfy an assessment for street work and for cancellation of bonds under improvement acts of 1911 and 1915. Holmes demurred to the complaint and was sustained by the lower court. It was held in the appeal that a resolution of intention to do street work did not confer jurisdiction to do that work. The higher court, however, held that the city officials acquired such jurisdiction by reason of their office.

WOOD AS REINFORCEMENT FOR CONCRETE

Dr. Emperger sas made an interesting series of tests, in order to ascertain the value of the wood in association with steel stirrups. Prof. J. A. van der Kloes has also made an independent series of tests. The result of the investigations show that the scope of wood as a reinforcing material is so limited, that it is not worth consideration by builders and engineers, unless a highly penetrative cement, such as Sorce cement, is employed. Wood may, however, be used where the strains are low, so that only a weak reinforcement is required. Hardwoods of great durability are preferable to soft timber.—Le Genie Civil, Paris.

DAILY PACIFIC BUILDER

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560 MISSION STREET SAN FRANCISCO, CAL.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2912	Hueter	Boxton	5000
2913	Getz	Owner	8000
2914	Langley	Jackson	700
2915	Bode	Michel	800
2916	N S G W	Ross	2843
2917	Merritt	Prout	7000
2918	Same	Same	7000
2919	Hansen	Swanson	4800
2920	Anderson	Meyer	8550
2921	Same	Same	4150
2922	Hayden	Klahn	2320
2923	Wood	Thorup	4000
2924	Damico	Amoroso	10000
2925	Marty	Bos	14000
2926	Knarston	Montgomery	7950
2927	Lapier	Lapier	5000
2928	Walter	Meinberger	869
2929	Lyman	Johnson	2500
2930	Boyle	Prout	550
2931	Uramoff	Mullen	1700
2932	Treacy	New Era	1900
2933	Lapham	Lapham	12000
2934	Getz	Thorsett	1960
2935	Holden	Prout	5000
2936	Two Thousand	Scott	6924
2937	Same	Peterson	14045
2938	Wadsted	Owner	800
2939	Lachman	Monson	5400
2940	S. P.	Owner	19200
2941	Wright	Barker	3000
2942	Wilson	Falvey	16000
2943	Wilson	Macdonald	12000
2944	Kirby	Owner	5000
2945	Smith	Hogrefe	10000
2946	Miller	Owner	6000
2947	Mahoney	Delaney	5450
2948	Morgan	Sartorio	16533
2949	Morgan	MacGruer	1587
2950	Morgan	Wagner	246
2951	Morgan	Scott	573
2952	Morgan	Tittle	556
2953	Hansen	Meyer	4311
2954	Edmunds	Meyer	4311
2955	Johns	Owner	500
2956	Wallach	Allen	14000
2957	Nelson	Owner	4000
2958	Hughson	Kronnick	1000
2959	West	Petersen	1000
2960	Olson	Wickman	1190
2961	Wood	Thorup	8000
2962	Martinelli	Nelson	4000
2963	Johnson	Owner	3000
2964	Moneta	Owner	38500
2965	Moneta	Owner	3500
2966	Friebel	Gillespie	1950
2967	Seagrave	Owner	2000
2968	Moneta	Owner	3500
2969	Thomas	Kincannon	24000
2970	Young	Swanson	7150
2971	Danberg	Fennell	995
2972	Davis	Davis	500
2973	Smyth	Vukicevich	10000
2974	Allred	Owner	20000
2975	Spreckels	Grace	1500
2976	Anglo	Walker	545000
2977	Atkinson	Merritt	500
2978	Atkinson	Merritt	800
2979	Lacey	Merritt	800
2980	Dunn	Macdonald	25000

PERMITS

RUNWAYS

(2912) S BUSH 137 E Polk. Construct two concrete runways for garage.
Owner—E. L. Hueter, 805 Flatiron Bldg., San Francisco.
Engineer—L. H. Nishkian, 853 Monadnock Bldg., San Francisco.
Contractor—Boxton & Zwieg, 809 Flatiron Bldg., San Francisco. $5000

DWELLINGS

(2913) E TWENTY-SECOND AVE 275 and 300 N Fulton. Two one-story and basement frame dwellings.
Owner—Sol Getz & Sons, SW 24th Ave. and Lincoln Way, San Francisco.
Architect—None.
Day's work. $4000 each

ALTERATIONS

(2914) NW FIRST AND JESSIE. Remove old and replace with new sidewalk lights; concrete sidewalk
Owner—Langley & Michaels Co., 50 1st St., San Francisco.
Architect—None.
Contractor—P. H. Jackson Co., Monadnock Bldg., San Francisco. $700

SERVICE STATION

(2915) S OCEAN AVE 25 E Jules. One-story steel service station.
Owner—Bode & Schoen, 1821 Ocean Ave., San Francisco.
Designer—Michel & Pfeffer Iron Wks.
Contractor—Michel & Pfeffer Iron Wks. 10th and Harrison Sts., San Francisco. $800

RECORDED

ALTERATIONS

(2916) NO. 811 CLAY. All work for alterations and additions to store.
Owner—United Parlors Native Sons of Golden West.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—D. W. Ross, 180 Jessie St., San Francisco.
Filed Dec. 2, '21. Dated Dec. 1, '21.
Completed and accepted.....$2132.25
Usual 35 days..... 710.75
TOTAL COST, $2843.00
Bond, $1421.50. Surety, Fidelity & Deposit Co. of Maryland. Limit, 30 days after Dec. 5, 1921. Forfeit, $10. Plans and specifications filed.
NOTE—Permit also applied for today

RESIDENCE

(2917) LOT 15 and W 6½ ft. Lot 14 Blk 2977, Allston Way, Merritt Terrace. All work for one-story and basement frame residence.
Owner — George N. Merritt, Crocker Bldg., San Francisco.
Architect—None.
Contractor—J. Prout, 2020 Turk St., San Francisco.
Filed Dec. 2, '21. Dated Nov. 30, '21.
Roof rafters on.....$1750
Brown coated 1750
Completed and accepted..... 1750
Usual 35 days..... 1750
TOTAL COST, $7000
Bond, $3500. Sureties, Wm. L. Terry and Otto Norwall. Limit, 90 days. Forfeit, none. Plans and specifications filed.

RESIDENCE

(2918) E 23½ LOT 14 and W 13 ft. Lot 13 Blk 2977, Allston Way, Merritt Terrace. All work for one-story and basement frame residence
Owner — George N. Merritt, Crocker Bldg., San Francisco.
Architect—None.
Contractor—J. Prout, 2020 Turk St., San Francisco.
Filed Dec. 2, '21. Dated Nov. 30, '21.
Roof rafters on.....$1750
Brown coated 1750
Completed and accepted..... 1750
Usual 35 days..... 1750
TOTAL COST, $7000
Bond, $3500. Sureties, Wm. L. Terry and Otto Norwall. Limit, 90 days. Forfeit, none. Plans and specifications filed.

SERVICE STATION

(2919) W VALENCIA 80 S 17th S 75 xW 75. All work for one-story frame battery service station.
Owner—N. M. Hansen, 1323 Cole St., San Francisco.
Architect—Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor —Ernest Swanson, 329 Lowell St., San Francisco.
Filed Dec. 2, '21. Dated Nov. 30, '21.
Wall and roof sheathing on....$1200
Plaster on outside..... 1200
Completed and accepted..... 1200
Usual 35 days..... 1200
TOTAL COST, $4800
Bond, $2400. Sureties, Adam Arras and Wm. Flody. Limit, forfeit, none. Plans and specifications filed.

FLATS

(2920) E 24TH AVE 275 S Clement. Two-story frame building (flats).
Owner—Jonathan Anderson, 16th Ave. and Geary St.
Architect—Meyer Bros.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St.
Filed Dec. 2, '21. Dated Dec. 2, '21.
Frame up $2137.50
Brown coated 2137.50
Completed and accepted 2137.50
Usual 35 days 2137.50
TOTAL COST, $8550
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications, none.

COTTAGE

(2921) W 25TH AVE 225 S Clement. One-story frame cottage.
Owner—Jonathan Anderson, 16th Ave. and Geary St.
Architect—Not given.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St.
Filed Dec. 2, '21. Dated Dec. 2, '21.
Frame up $1037.50
Brown coated 1037.50
Completed and accepted ... 1037.50
Usual 35 days 1037.50
TOTAL COST, $4150
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications, none.
NOTE:—Permit reported Nov. 19, 1921, No. 2767.

ADDITION

(2922) S RANDALL 275 E Harper E 25 x S 110, Ptn Lot 20, Fairmount Tract. Addition to a frame bldg.
Owner—Zachariah T. Hayden, 259 Randall.
Architect—Theo W. Lenzen, Humboldt Bank Bldg.
Contractor—Arthur H. Klahn, 1334 21st Avenue.
Filed Dec. 2, '21. Dated Dec. 2, '21.
Frame of new part up.....$520
Brown coated 640
Completed and accepted 580
Usual 35 days 580
TOTAL COST, $2320
Bond, sureties, none; forfeit, $1 day; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Nov. 21, 1921, No. 2774.

DWELLING
(2923 NE CABRILLO & 21ST AVE. One-story and basement frame dwelling.
Owner—S. A. Wood, No. 53 Presidio Avenue.
Architect—None.
Contractor—J. H. Thorup, No. 654 21st Ave. $4000

FLATS
(2924) W 16TH AVE 225 S Balboa. Two 2-story and basement frame flats (2 in each).
Owner—Tony Damico, No. 887 Filbert Street.
Architect—None.
Contractor—F. C. Amoroso, No. 1336 Kearny St. $10,000 for 2 bldgs.

LAUNDRY BLDG.
(2925) E VALENCIA 235 N 20th. One-story and basement Class "C" laundry bldg.
Owner—P. Marty, No. 3566 20th St.
Architect—Albert J. Fabre, No. 110 Sutter St.
Contractor—Geo. A. Bos, No. 1126 Hearst Bldg. $14,000

RECORDED

FLATS
(2926) W CAPP 130 S 25th S 42AW 115 All work except painting and hardwood floors for two-story frame building (flats.)
Owner—Edmond S. and Alice A. Knarston, 1012 Capp St., San Francisco.
Plans by Owner.
Contractor — E. J. Montgomery, 1320 Broadway, San Francisco.
Filed Dec. 3, '21. Dated Dec. 3, '21.
Rough frame up $1490.65
Brown plastered 1490.65
White coat plaster on... .... 1490.65
Completed and accepted..... 1490.65
Usual 35 days..... 1987.50
TOTAL COST, $7950.00
Bond, limit, forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Nov. 23, 1921, No. 2800.

FLATS, ETC.
(2927) S CALIFORNIA 60 W 21st Ave. Two-story and basement frame (2) flats and garage.
Owner—H. F. and M. E. Lapier, 5919 California St., San Francisco.
Plans by—H. F. Lapier, 5919 California St., San Francisco.
Contractor—H. F. Lapier, 5919 California St., San Francisco. $5000

REPAIRS
(2928) NO. 30, 32, 32-A CUMBERLAND Repair fire damage to flats.
Owner—Mrs. R. Walter, 2861 Harrison St., San Francisco.
Architect—None.
Contractor — H. S. Meinberger, 5720 California St., San Francisco. $869

ALTERATIONS
(2929) NO. 3673 JACKSON. Rearrange entrance for residence; rearrange interior for kitchen and hall.
Owner—Geo. L. Lyman.
Architect—Bliss & Faville, Balboa Bld. San Francisco.
Contractor—J. H. Johnson, 180 Jessie St., San Francisco. $2500

ALTERATIONS
(2930) NO. 2807 STEINER. Alter for basement garage; concrete flooring, etc.
Owner—Thos. F. Boyle, Premises.
Architect—None.
Contractor—J. Prout, 2020 Turk St., San Francisco. $550

ALTERATIONS
(2931) NO. 79 SIXTH. Install doors, move and reset partitions, install counters, etc., for store.
Owner—Z. N. Uramoff, Premises.
Architect—None.
Contractor — Mullen Mfg. Co., 64-68 Rausch St., San Francisco. $1700

DWELLING
(2932) W THERESA 193-6 S San Jose Ave. One-story and basement frame dwelling.
Owner—F. F. Treacy, 3829 Mission St., San Francisco.
Architect—None.
Contractor—New Era Bldg. Co., 3259 Mission St., San Francisco. $1900

DWELLINGS
(2933) E THIRTY-EIGHTH AVE 30 and 60 N Geary. Two one-story & basement frame dwellings.
Owner—A. R. Lapham, 6311 Geary St., San Francisco.
Architect—None.
Contractor—Lapham Bldg., Co., 6311 Geary St., San Francisco. $6000 each

ALTERATIONS
(2934) E THIRTIETH AVE 125 S Geary. Alter residence; painting, plumbing, plastering, electric work etc.
Owner—Sol. Getz & Son, 328 Chronicle Bldg., San Francisco.
Architect—None.
Contractor—D. Thorsett, 563 37th Ave., San Francisco. $1960

DWELLING
(2935) N ULLOA 30 E Granville. One-story and basement frame dwlg.
Owner—St. George Holden, Crocker Bldg., San Francisco.
Architect — Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco. $5000

RECORDED

HEATING
(2936) NW WASHINGTON & GOUGH W 68-9 x N 129-8¼. Steam and hot water heating for 7-story and basement Class B reinforced concrete bldg.
Owner—Two Thousand Washington Street (a corporation).
Architect—C. A. Meussdorffer, Humboldt Bank Bldg.
Contractor—Scott Co., Inc., 243 Minna Street.
Filed Nov. 5, '21. Dated Nov. 30, '21.
Piping roughed in.....$2593
Completed and accepted 2600
Usual 35 days 1731
TOTAL COST, $6924
Bond, $3462; surety, New Amsterdam Casualty Co.; forfeit, none; limit, without delay. Plans and specifications filed.

(2937) PLUMBING, GAS FITTING, vacuum piping on above.
Contractor—C. Petersen Co., 730 Larkin St.
Filed Dec. 5, '21. Dated Dec. 2, '21.
Piping roughed in $5283.75
Completed and accepted 5250.00
Usual 35 days 3511.25
TOTAL COST, $14,045
Bond, $7022.50; surety, New Amsterdam Casualty Co.; forfeit, none; limit, without delay. Plans and specifications filed.

DWELLING
(2938) NO 220 ANDERSON ST. One-story frame dwelling.
Owner—Christi Wedsted, No. 63 Crocker St.
Plans by Owner.
Day's work. $800

STORE
(2939) S ELLIS 55 E Jones. One-story brick store.
Owner—G. Lachman, City.
Architect—S. Heiman, No. 57 Post St.
Contractor—Monson Bros., No. 251 Kearny St. $5,400

LABORATORY
(2940) BET FELL, LYON, HAYES and Baker. One-story brick X-ray laboratory.
Owner—Southern Pacific Co., No. 65 Market St.
Architect—J. H. Christie, No. 65 Market St.
Day's work. $19,200

RESIDENCE
(2941) E 41ST AVE 25 S Cabrillo. One-story and basement frame residence.
Owner—J. W. Wright & Sons Investment Co., No. 228 Montgomery St.
Plans by Contractor.
Contractor—J. E. Barker, No. 1219 Page St. $3,000

FRAME FLATS
(2942) SW LAKE ANW TWENTY-fourth Ave. Two-story and basement frame (4) flats.
Owner—W. F. Wilson, 3337 Clay St., San Francisco.
Plans by Contractor.
Contractor—A. J. Falvey, 2099 Lake St., San Francisco. $16,000

COFFEE ROASTING PLANT
(2943) S MISSION 325 W Seventh St. One-story concrete coffee roasting plant.
Owner—Mrs. E. S. Wilson, 766 Market St., San Francisco.
Architect—Weeks & Day, 933 Phelan Bldg., San Francisco.
Contractor — Macdonald & Kahn, 130 Montgomery St., San Francisco. $12,000

FRAME FLATS
(2944) E TWENTIETH AVE 175 S Geary. Two-story and basement frame (2) flats.
Owner—J. C. Kirby, 627 23rd Ave., San Francisco.
Architect—None.
Day's work. $5000

FRAME FLATS
(2945) N UNION 20 W Hyde. Three story and basement frame store and (2) flats.
Owner—Mrs. E. A. Smith, 1960 Hyde St., San Franacisco.
Architect—John H. Powers, 460 Montgomery St., San Francisco.
Contractor — H. Hogrefe, 61 Divisadero St., San Francisco. $10,000

DWELLINGS
(2946) E ALABAMA 90 and 115 S 26th. Two 1½-story and basement frame dwellings.
Owner—Wm. Miller, No. 49 Park St.
Architect—None.
Day's work. $3000 ea.

RECORDED

ADDITIONS
(2947) SE GRANT AVE AND PINE. All work for additions to building.
Owner—Miss Louise Mahoney and Miss Frances Jolliffe.
Architect—None.
Contractor—Chas. S. Delaney, 2955 Pine St., San Francisco.
Filed Dec. 6, '21. Dated Dec. 1, '21.
Weekly payments of 75% until $4000 is paid .....
Balance in monthly installments of $100.....
TOTAL COST, $5450
Bond, none. Limit, Jan. 1 if possible. Forfeit, plans and specifications, none.
NOTE:—Permit reported Nov. 3, 1921, No. 2564.

(2948) S MISSION 75 E Sixth E 50xS 80. Excavation, concrete iron and steel sidewalks lights, carpentry, mill, hardware, etc., for two-story and basement Class C building (stores and lofts).
Owner—J. S. Morgan & Sons, 425 Kearny St., San Francisco.

Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Contractor—Chas. Sartorio, 2151 Filbert St., San Francisco.
Filed Dec. 5, '21. Dated Nov. 28, '21.
Concrete poured to 1st floor.$4133.25
Roof on 4133.25
Completed and accepted..... 4133.25
Usual 35 days..... 4133.25
TOTAL COST, $16,533.00
Bond, $8267. Sureties, Stephen L. Guerin and G. P. W. Jensen. Limit, 75 days. Forfeit, $15. Plans and specifications filed.
NOTE:—Permit reported Nov. 30, 1921. No. 2871.

(2949) LATHING AND PLASTERING on above.
Contractor—MacGruer & Simpson, 180 Jessie St., San Francisco.
Filed Dec. 5, '21. Dated Nov. 28, '21.
Interior and exterior brown coated $604.25
Completed and accepted..... 604.25
Usual 35 days..... 369.50
TOTAL COST, $1578.00
Bond, $789. Surety, Maryland Casualty Co. Limit, 15 days after notified. Forfeit, $15. Plans and specifications filed.

(2950) PAINTING ON ABOVE.
Contractor—Fred Wagner, 65 Hoff St., San Francisco.
Filed Dec. 5, '21. Dated Nov. 28, '21.
Work one-half done.....$92.25
Completed and accepted..... 92.25
Usual 35 days..... 61.50
TOTAL COST, $246.00
Bond, none. Limit, 10 days after notified. Forfeit, $15. Plans and specifications filed.

(2951) PLUMBING, ETC., ON ABOVE.
Contractor—Scott Co., 243 Minna St., San Francisco.
Filed Dec. 5, '21. Dated Nov. 28, '21.
Roughed in $215
Completed and accepted..... 215
Usual 35 days..... 143
TOTAL COST, $573
Bond, none. Limit, as fast as possible. Forfeit, $15. Plans and specifications filed.

(2952) ELECTRIC WIRING ON above.
Contractor — H. S. Tittle, 766 Folsom St., San Francisco.
Filed Dec. 5, '21. Dated Nov. 28, '21.
Conduits roughed in.....$208.50
Completed and accepted..... 208.50
Usual 35 days..... 139.00
TOTAL COST, $556.00
Bond, none. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

BUNGALOW
(2953) W TWENTY-FIFTH AVE 275 N Clement. All work for one-story frame bungalow.
Owner—Jacob M. Hansen, 126 8th Ave., San Francisco.
Architect—None.
Contractor—Theo. G. & Rollin E. Meyer, 5326 Geary St., San Francisco.
Filed Dec. 5, '21. Dated Dec. 1, '21.
Frame up $1077.80
Brown coated 1077.80
Completed and accepted.... 1077.80
Usual 35 days..... 1077.80
TOTAL COST, $4311.20
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

(2954) W TWENTY-FIFTH AVE 250 N Clement. All work for one-story frame bungalow.
Owner—J. W. Edmonds, 672 27th Ave., San Francisco.
Architect—None.
Contractor—Theo. G. & Rollin E. Meyer, 5326 Geary St., San Francisco.
Filed Dec. 5, '21. Dated Dec. 1, '21.
Frame up $1077.80
Brown coated 1077.80
Completed and accepted.... 1077.80
Usual 35 days..... 1077.80
TOTAL COST, $4311.20
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

ALTERATIONS
(2955) NO. 231 ALMA. Raise and make general repairs to residence.
Owner—Samuel Johns, 256 Lower Terrace, San Francisco.
Architect—None.
Da's work. $500

FLATS
(2956) SE CALIFORNIA AND 30TH Ave. Two-story and basement frame (4) flats.
Owner—Harry Wallach, Care Architect
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $14,000

DWELLINGS
(2957) W COLON 198 and 126 N Montecito. Two one-story and basement frame dwellings.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.
Day's work. $4000

ALTERATIONS
(2958) SE ELEVENTH AND MARKET Place paneling in private office.
Owner—W. L. Hughson, 11th & Market St., San Francisco.
Arcihtect—Ward & Biohme, 454 California St., San Francisco.
Contractor — Kronnick Bros., 1659 O'Farrell St., San Francisco. $1000

ALTERATIONS
(2959) NO. 2554 MISSION. Construct concrete bulkhead and extend stock room 12 feet.
Owner—Mr. West, Premises.
Architect—None.
Contractor—Antone Petersen, 2770 San Bruno Ave., San Francisco. $1000

DWELLING
(2960) NO. 444 NEVADA. One-story and basement frame dwelling.
Owner—O. Olson, 459½ Sanchez St., San Francisco.
Architect—None.
Contractor—W. Wickman, 329-A Prospect Ave., San Francisco. $1100

DWELLINGS
(2961) E TWENTY-FIRST AVE 510 and 484 S Balboa. Two one-story and basement frame dwellings.
Owner—S. A. Wood, 53 Presidio Ave., San Francisco.
Designer—J. H. Thorup, 654 21st Ave., San Francisco.
Contractor—J. H. Thorup, 654 21st Ave., San Francisco. $4000 each

RESIDENCE
(2962) E WESTWOOD DRIVE 235 S Wildwood. One-story and basement frame residence.
Owner—J. M. Martinelli, 355 Church St., San Francisco.
Architect — Chas. Strothoff, 2274 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco. $4000

DWELLING
(2963) S CABRILLO 107-6 W 16th. One-story and basement frame dwelling.
Owner—S. F. Johnson, No. 632 Funston Ave.
Architect—None.
Day's work. $3000

DWELLINGS
(2964) W FOERSTER 25-55 S Flood and Foerster 25-50-80 N Staples and N Staples 90 W Foerster and W Foerster 110 N Staples and N Staples 120-150-180 and 210 W Foerster. Eleven 1-story and basement frame dwellings.
Owner—Moneta Investment Co., No. 233 Pacific Bldg.
Architect—None.
Day's work. $3500 ea.

DWELLING
(2965) SW FLOOD AND FOERSTER. One-story and basement frame dwelling.
Owner — Moneta Investment Co., No. 233 Pacific Bldg.
Architect—None.
Day's work. $3,500

ALTERATIONS, ETC.
(2966) NO 939 FELL ST. Alterations and repairs for lower flat.
Owner—F. Friebel, No. 939 Fell St.
Architect—None.
Contractor—G. G. Gillespie, No. 2214 Divisadero St. $1950

REMODELING
(2967) NO 1198 MARKET ST. Remodel store front, etc.
Owner—Seagrave Bros., No. 425 Kearny St.
Architect—W. H. Crim, Jr., No. 425 Kearny St.
Day's work. $2000

DWELLING
(2968) NW STAPLES & FOERSTER. One-story and basement frame dwelling.
Owner—Moneta Investment Co., No. 233 Pacific Bldg.
Architect—None.
DaDy's work. $3500

APARTMENTS
(2969) E VAN NESS AVE 60 S Green. Three-story and basement frame (11) apartments.
Owner—Mrs. Louise Thomas, care of Architect.
Architect—O. R. Thayer, No. 110 Sutter St.
Contractor—Kincannon & Perego, No. 159 Sutter St. $24,000

RECORDED

RESIDENCE
(2970) PTN LOTS 17 AND 18 BLK 25, St. Francis Wood Extension No. 2. All work for two-story and basement frame residence.
Owner—J. R. Young, 781 Prague St., San Francisco.
Architect — Chas. F. Strothoff, 3274 15th St., San Francisco.
Contractor—Ernest Swanson, 180 Jessie St., San Francisco.
Filed Dec. 7, '21. Dated Dec. 5, '21.
Roof on $1787.50
White coated inside and 2nd coat outside 1787.50
Completed and accepted..... 1787.50
Usual 35 days..... 1787.50
TOTAL COST, $7150.00
Bond, $3575. Sureties, B. Milano and A. J. Molins. Limit, 90 days after Dec. 6. Forfeit, none. Plans and specifications filed.

UNDERPIN
(2971) W JONES 100 N O'Farrell. Underpin store and rooming house.
Owner—Chas. Danberg, San Jose.
Architect—W. H. Weeks, 333 Pine St., San Francisco.
Contractor — Fennell & Chisholm, 180 Jessie St., San Francisco. $995

ALTERATIONS
(2972) NO. 3194½ LAGUNA. Alter for private garage; cement work, etc.
Owner—A. M. Davis and P. R. B. Mott, 145 Buchanan St., San Francisco.

Architect—None.
Contractor—J. E. Davis, 145 Buchanan St., San Francisco. $500

STORE
(2973) S GEARY 162-6 W Jones. One-story and basement brick store.
Owner—Thos. U. Smyth, Schroth Bldg., San Francisco.
Architect — August G. Headman, New Call Bldg., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco. $10,000

APARTMENTS
(2974) N NORTH POINT 137-6 E Hyde. Three-story and basement frame (12) apartments.
Owner—C. S. Allred, 159 Liberty St., San Francisco.
Architect—None.
Day's work. $20,000

BALL ROOM
(2975) NO. 1900 PACIFIC AVE. Construct temporary pavilion (ball room).
Owner—Rudolph Spreckels, Premises.
Architect — Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor — Grace & Bernieri, Claus Spreckels Bldg., S. F. $1500

BANK BLDG.
(2976) NW SUTTER AND SANSOME. Two and one-half-story Class A bank building.
Owner—Anglo London and Paris Nat'l. Bank, Premises.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—P. J. Walker Co., 1071 Monadnock Bldg., San Francisco. $545,000

ALTERATIONS
(2977) NO. 108 TWELFTH AVE. Raise dwelling and alter for basement garage.
Owner—Mr. Atkinson, Premises.
Plans by Contractor.
Contractor — Geo. M. Merritt, 3014 Geary St., San Francisco. $500

ADDITION
(2978) NO. 110 TWELFTH AVE. Addition to dwelling.
Owner—Mr. Atkinson, Premises.
Plans by Contractor.
Contractor — Geo. M. Merritt, 3014 Geary St., San Francisco. $800

ALTERATIONS
(2979) NO. 2290 VALLEJO. Alter for basement garage.
Owner—Miss Lacey, Premises.
Plans by Contractor.
Contractor — Geo. M. Merritt, 3014 Geary St., San Francisco. $800

CLASS C STUDIO
(2980) S POST 87-6 W Mason. Two-story Class C store and studio.
Owner—The Dunn-Williams Co., S. F.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Macdonald & Kahn, 130 Montgomery St., S. F. $25,000

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Dec. 8, 1921—NE DUNCAN AND Guerrero N 26-6 E 68 — 10.38 S 26-6 W 68 — 10.38. Ellen M Farley to whom it may concern. Dec. 8, 1921

Dec. 8, 1921—S BROADWAY 87-6 W Sansome 50-6x68-9. L Cariani to Del Favero & Rasori....Dec. 7, 1921

Dec. 8, 1921—N CLEMENT 107-6 W Second Ave. No. 126 and 130 Clement. W A Miller to whom it may concern.....Dec. 7, 1921

Dec. 8, 1921—E PARIS N 29° 22' E 250 from intersection of SE Paris and NE Geneva Ave N 29° 22' E 25 S 60° 38' E 100.337 S 29° 22' W 25 N 60° 38' W 100.337 to beg, Ptn Lots 14, 15, 16 and 17 Blk 7, Crocker Amazon Tract. Crocker Estate Co to Albin M Samuelson...Dec. 7, 1921

Dec. 8, 1921—W NAPLES N 29° 22' E 375 from intersection of NW line Naples and NE Geneva N 29° 22' E 29.374 to SW Amazon Ave, along SW Amazon Ave N 65° 15' 40" W 100.765 S 29° 22' W 21.24 S 60° 38' E 100.43 to beg, Ptn Lots 21, 22 and 23 Blk 10, Crocker Amazon Tract. Crocker Estate Co to Albin M Samuelson.....Dec. 7, 1921

Dec. 8, 1921—E EDINBURGH N 29° 22' E 300 from intersection of SE Edinburgh and NE Geneva Ave. N 29° 22' E 30 S 60° 38' E 100.423 S 29° 22' W 30 W 60° 38' W 100.423 to beg, Ptn Lots 17, 18, 19 and 20 Blk 10, Crocker Amazon Tract. Crocker Estate Co to Albin M Samuelson.....Dec. 7, 1921

Dec. 8, 1921—LOT 9 BLK 9, Crocker Amazon Tract. Crocker Estate Co to Albin M Samuelson...Dec. 7, 1921

Dec. 8, 1921—LOT 22 BLK 7, Crocker Amazon Tract. Crocker Estate Co to Albin M Samuelson....Dec 7, 1921

Dec. 8, 1921—LOT 10 BLK 9, Crocker Amazon Tract. Crocker Estate Co to Albin M Samuelson....Dec 7, 1921

Dec. 8, 1921—LOT 10 BLK 8, Crocker Amazon Tract. Crocker Estate Co to Albin M Samuelson....Dec 7, 1921

Dec. 3, 1921—LOTS 21, 22 & 23 BLK 6743, Addition to Mission and Thirtieth Sts. Extension Homestead.. Crocker Estate Co to E P Burman .....Nov. 23, 1921

Dec. 3, 1921—E WHEELER 75, 25, 50 and 100 S Bay Shore Ave. Crocker Estate Co to J A Arnott.. .....Nov. 23, 1921

Dec. 7, 1921—W TWENTY-SECOND Ave 100 N Fulton and 125 N Fulton 50 x 120. Frederick Huelter to Meyer Bros.....Dec. 7, 1921

Dec. 7, 1921—E EDINBURGH 75 S Brazil Ave S 25xE 100. Josef and Kathrina Schweiger to Martin Smith.....Dec. 6, 1921

Dec. 7, 1921—S TARAVAL 32-6 W 25th Ave W 25xS 100. Julius and Grace Block to Taylor & Jackson .....Dec. 6, 1921

Dec. 7, 1921—NW PINE AND MONTgomery N 125xW 138-6. Commercial Union Assurance Co and The California Insurance Co to L H Price.....Dec. 2, 1921

Dec. 7, 1921—LOT 25 AND W ½ Lot 24 Blk 25, Crocker Amazon Tract. Peter and Hulda M Anderson to whom it may concern..Dec. 5, 1921

Dec. 7, 1921—W BELVEDERE 97-4½ N 17th N 25xW 100. Axel E Johnson to whom it may concern.. .....Dec. 5, 1921

Dec. 7, 1921—W THIRTY-FIFTH AV 100 S Lincoln Way S 25xW 120. Henry and Fred Von Issendorf to M E Green.....Dec. 5, 1921

Dec. 6, 1921—W TWENTY-SECOND Ave 200 S Anza 50x120. Wm Klute to T E Mohler.....Dec. 6, 1921

Dec. 6, 1921—SW MONTGOMERY & Bush W 60xS 68-9. Crocker Estate Co to Sartorius Co.....Dec. 5, 1921

Dec. 6, 1921—E SIXTEENTH AVE 74-8 S Cabrillo S 25xE 77-6. Jos J Barrett to whom it may concern.....Dec. 6, 1921

Dec. 5, 1921—NE GRAFTON AVE & Capitol Ave N 25 x E 100, Ptn Lots 6, 7, 8 and 9, Blk 14, Lakeview. The McCarthy Co. to Jas. Arnott & Son .....Dec. 5, 1921

Dec. 3, 1921—LOT 23 BLK 6743, LOT 21 Blk 6743, Lot 22 Blk 6743, Add to Mission and 30th Sts. Extension Homestead. Crocker Estate Co to E P Burman..... .....Nov. 23, 1921

Dec. 3, 1921—E WHEELER 75 S Bay Shore Ave, E Wheeler 25 S Bay Shore Ave, E Wheeler 50 S Bay Shore Ave, E Wheeler 100 S Bay Shore Ave. Crocker Estate Co to J A Arnott .....Nov. 23, 19211

Dec. 2, 1921—E MASONIC AVE 100 N Page N 50 x E 137-6. O'Brien-Kiernan Realty Co to Kiernan & O'Brien .....Dec. 2, 1921

Dec. 2, 1921—W MONTGOMERY 75 N Post W 160 x N 100. The First Natl Bank of San Francisco to C Petersen Co .....Dec. 2, 1921

Dec. 2, 1921—SE FOLSOM AND 10TH Sts 55 on Folsom and 95 on 10th. Samuel Schell to whom it may concern .....Nov. 2, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Dec. 6, 1921—E DIVISADERO 150 N Fell N 25xE 132-6. Charles Andrus vs Eugene Cerf $95.92

Dec. 6, 1921—E MONTGOMERY 103-1½ N Sutter N 34-4½xE 60. Edw H March vs The Lumbermans Timber Supply Co, V W Long, B F Durphy and Isaac Strassburger.$115

Dec. 6, 1921—E FILLMORE 124 N Turk N 32xE 192. J E Back Co vs A H Humphreys $216

Dec. 5, 1921—W WESTWOOD DRIVE distant N 20 from N line Lot 7 Blk 3174 S 45 N 82° 51' 26" W 95 th along W line Lots 7 and 6 N 42.836 S 84° 46" E 95 to beg; Ptn Lots 6 and 7 Blk 3174, Westwood Park. Mangrum & Otter Inc vs L A Sauer $157.45

Dec. 3, 1921—W ARKANSAS 125 N 23rd (864 Arkansas St). H S Thomson vs L Battani.....$324.80

Dec. 2, 1921—SE FAIR AVE AND Coleridge S 39-8xE 122-6. E Wianden vs John Schulz and Lottie Birrell $99.71

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
4290	Elliott	Smith	900
4291	Johnson	Hewitt	2000
4292	Blount	Gaba	1250
4293	Warner	Owner	3000
4294	Armanino	Owner	5000
4295	Smith	Dolan	3000
4296	May	Nochils	1000
4297	Dolan	Owner	3500
4298	Winsby	Owner	2500
4299	Winsby	Owner	1500
4300	Nettler	Owner	3000
4301	Magee	Johnson	4900
4302	Ross	Johanson	2600
4303	Pratt	Pratt	3900
4304	Brodersen	Owner	3000
4305	Owen	Moller	1500
4306	Hansen	Owner	1800
4307	Moran	MacGregor	7000
4308	Worden	Schnebly	3334
4309	Manzie	Hendrickson	4050
4310	Whitecotton	McCullough	14500
4311	Whitecotton	Capitol	1525
4312	Whitecotton	Makin	8330
4313	Whitecotton	Fuller	3350
4314	Whitecotton	Stetter	710
4315	Whitecotton	Nelson	19500
4316	Whitecotton	Scott	1489
4317	Whitecotton	Brown	1152
4318	Whitecotton	American	940
4319	Whitecotton	Rigney	1363
4320	Parr	Owner	3000
4321	Betts	McCullough	600
4322	Jeffery	Larmer	13500
4323	Gallagher	Luthge	400
4324	Sigwald	Owner	3000
4325	Glantz	Owner	3000
4326	Burris	Knight	5500
4327	Albers	Owner	800
4328	Hutchinson	Jones	320
4329	Brown	Brown	3000
4330	Oakland	Nelson	850
4331	Howland	Owner	500
4332	Worden	Schnebly	3334
4333	Machi	Norling	4000
4334	Jenkins	Ruthberg	500
4335	California	Steel	4000

No.	Owner	Contractor	Amt.
4336	Jacobs	Kennedy	1000
4337	Alameda	Vaughn	480000
4338	McCoy	Owner	4000
4339	Scott	Walker	8000
4340	Somps	Mullen	1150
4341	Weil	Bowers	4000
4342	Woolsey	Butterfield	6000
4343	Deuble	Attebery	6000
4344	Faige	Rose	466
4345	Faulkes	Owner	2500
4346	Kaiser	Owner	3500
4347	Lannon	Owner	5000
4348	Kepple	Owner	3750
4349	Deuble	Attebery	6000
4350	Ezenberger	Jensen	2000
4351	Pardini	Bennisini	3000
4352	Cotter	Gossett	9400
4353	Grunbaum	Baker	7000
4354	Gibson	Owner	5000
4355	Field	Owner	4950
4356	Myers	Owner	2500
4357	Bischop	Owner	4995
4358	R. C. Archbishop	Smith	40000
4359	Buck	Lundberg	2500
4360	Parker	Owner	3500
4361	Saroni	Pond	17100
4362	Moore	Owner	2000
4363	Mullen	Omo	750
4364	Hillen	Owner	3500
4365	Vaughan	Hewitt	2000
4366	Le Barce	Petersen	10000
4367	Carpenter	Owner	8000
4368	Buzzone	Christensen	20000
4369	Arneberg	Smith	700
4370	Automatic	Lundberg	6000
4371	McCaslin	Williams	3000
4372	Nelson	Nelson	2000
4373	Gier	Stolte	6100
4374	Bertram	Eastman	2800
4375	Krause	Williams	4500
4376	Bowers	Owner	1000
4377	Williams	Peterson	4500
4378	Schuneman	Schuneman	3500
4379	Belford	Sommarstrom	2000
4380	McClurg	Duval	1468
4381	Rennil	Shrader	1000
4382	Gibson	Forbes	13670
4383	Clark	Lawton	19248
4384	Durant	Vieira	1805
4385	P G & E	Bosch	2350
4386	Romie	Wilson	8000
4387	Andersen	Owner	2000
4388	Heino	Owner	3000
4389	Brause	Campomenosi	550
4390	Cotter	Gossett	9400
4391	Bailey	Sanctuary	400
4392	Francis	Owner	2000
4393	Meyers	Hendricks	10700

PERMITS

GARAGE
(4290) 2601 BANCROFT WAY, Berkeley. Garage.
Owner—A. H. Elliott, 2901 Telegraph, Berkeley.
Architect—None.
Contractor—Frank Smith, 2230 17th Ave., Oakland. $900

DWELLING
(4291) N CEDAR 85 W 5TH ST., Berkeley. One-story 4-room dwelling.
Owner—Bert T. Johnson, 861 32nd St., Oakland.
Architect—None.
Contractor—C. L. Hewitt, 2736 Jones Ave., Oakland. $2000

ALTERATIONS
(4292) 2820 CHERRY ST., Berkeley. Alterations.
Owner—J. S. Blount, Premises.
Architect—None.
Contractor—J. W. Gaba, 5535 Hermosa Ave., Oakland. $1250

DWELLING
(4293) N PARKER 280 W McGee, Berkeley. One-story 6-room dwelling.
Owner—John Warner.
Architect—None.
Day's work. $3000

DWELLINGS
(4294) N ARMANINO COURT 200 and 240 E College Ave., Oakland. Two one-story 5-room dwellings.
Owner—Frank Armanino, 498 Hudson St., Oakland.
Architect—None.
Day's work. $2500 each

DWELLING
(4295) N BAY VIEW AVE 240 W 13th Ave., Oakland. One-story 5-room dwelling.
Owner—C. Smith, 2605 10th Ave., Okd.
Architect—None.
Contractor—Leo. J. Dolan, Syndicate Bldg., Oakland. $3000

ADDITION
(4296) NO. 637 FORTY-FOURTH ST., Oakland. Addition.
Owner—Louis O. May, 1616 Alcatraz Ave., Berkeley.
Architect—None.
Contractor—C. S. Nichols, 2048 5th Ave. Oakland. $1000

DWELLING
(4297) N KENMORE AVE 300 W Lakeshore, Oakland. One-story 6-room dwelling.
Owner—Leo J. Dolan.
Architect—None.
Day's work. $3500

DWELLINGS
(4298) W SAN PABLO AVE — N Emeryville Line, Oakland. Twenty one-story 2-room dwellings.
Owner—E. Winsby, 1942 Webster St., Oakland.
Architect—None.
Day's work. $125 each

DWELLINGS
(4299) W SAN PABLO AVE — N Emeryville Line, Oakland. Twenty one-story 1-room dwellings.
Owner—E. Winsby, 1942 Webster St., Oakland.
Architect—None.
Day's work. $75 each

DWELLINGS
(4300) SW SIXTY-FOURTH AND Harmon Aves, Oakland. One-story 4-room dwelling and store.
Owner—Jos. Nettler, 2159 51st Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(4301) N TRESTLE GLEN ROAD 1000 E Lakeshore, Oakland. Two-story 6-room dwelling.
Owner—F. Magee.
Architect—L. Johnson & Son, 223 Greenbank Ave., Piedmont. $4900

RECORDED

DWELLING
(4302) N ½ LOT 2 and all Lot 1 Blk 163 Map Grayson Tract, Berkeley. All work for one-story five-room dwelling.
Owner — W. Ross, 704 Madison St., Oakland.
Architect—None.
Contractor — Gustaf Johanson, 1357 Northside Ave., Berkeley.
Filed Dec. 2, '21. Dated Nov. 19, '21.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $2600
Bond, none. Limit, 50 days after Nov. 21. Forfeit, plans and specifications filed.

DWELLING
(4303) N EL CENTRO AVE 305 W San Sebastian, Oakland. One-story 5-room dwelling.
Owner—Miriam R. Pratt, 2521 College Ave., Oakland.
Architect—None.
Contractor—H. S. Pratt, 4605 El Centro Ave., Oakland. $3900

DWELLING
(4304) W PERALTA AVE 250 S Madeline, Oakland. One-story 5-room dwelling.
Owner—M. Brodersen, 3711 Peralta Ave., Oakland.
Architect—L. F. Hyde, Oakland.
Day's work. $3000

GARAGE
(4305) W HARRISON ST 200 S Grand, Oakland. One-story tile garage.
Owner—Owen Apts.
Architect—None.
Contractor—Frank D. Moller, 700 Arimo Ave., Oakland. $1500

DWELLING
(4306) N MOUNTAIN BLVD 50 W Leona St., Oakland. One-story 4-room dwelling.
Owner—A. Hansen, 2120 Market St., Oakland.
Architect—None.
Day's work. $1800

DWELLINGS
(4307) W 10TH AVE 700-736 N E-24th St., Oakland. Two 1-story 6-room dwellings.
Owner—T. W. Moran, Plaza Bldg., Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 12th St., Oakland. $3500 ea.

RECORDED

REPAIRS
(4308) NO. 1733 SEVENTEENTH ST., Oakland. Fire repairs.
Owner—Minnie R. Worden, Oakland.
Architect—None.
Contractor — Schnebly & Hostrawser, 6th and Jackson Sts., Oakland.
Filed Dec. 2, '21. Dated Dec. 2, '21.
15 days from date..... 75%
Completed and accepted..... 75%
Usual 35 days..... 25%
TOTAL COST, $3334
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

DWELLING
(4309) LOTS 25 AND 26 BLK 16, Tract 70, Colusa St., Berkeley. All work for one-story 6-room dwelling and garage.
Owner—Albert Mansfé, Berkeley.
Architect—None.
Contractor—A. Hendrickson, 47 Fairview Ave., Oakland.
Filed Dec. 3, '21. Dated Nov. 19, '21.
Frame up ..... ¼
Plastered ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $4050
Bond, none. Limit, 90 days after Nov. 19. Forfeit, none. Plans and specifications filed.

CARPENTER WORK, ETC.
(4310) LOTS 1 TO 6 inclusive Blk 1, Barker Tract, Berkeley. Carpenter, mill, iron and steel work for one-story reinforced concrete stores.
Owner—W. W. Whitecotton, Hotel Whitecotton, Berkeley.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—H. McCullough & Son, 1641 Allston Way, Berkeley.
Filed Dec. 3, '21. Dated Dec. 2, '21.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $1[illegible]
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(4311) ELECTRIC WIRING ON ABOVE
Contractor—Capitol Electric Co., 2468 Shattuck Ave., Berkeley.
Filed Dec. 3, '21. Dated Dec. 2, '21.
Payments same as above.....
TOTAL COST, $1525
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed

(4312) LATH AND PLASTER ON above.
Contractor—Wm. Makin, 1048 Excelsior St., Oakland.
Filed Dec. 3, '21. Dated Dec. 2, '21.
Payments same as above.....
TOTAL COST, $8330
Bond, none. Limit, as soon as possible.
Forfeit, none. Plans and specifications filed.

(4313) GLASS AND GLAZING ON above.
Contractor—W. P. Fuller & Co., 259 10th St., Oakland.
Filed Dec. 3, '21. Dated Dec. 2, '21.
Payments same as above.....
TOTAL COST, $3350
Bond, none. Limit, as soon as possible.
Forfeit none. Plans and specifications filed.

(4314) PAINTING ON ABOVE.
Contractor—George Stetter, 1722 McGee, Berkeley.
Filed Dec. 3, '21. Dated Dec. 2, '21.
Payments same as above.
TOTAL COST, $710
Bond, none. Limit, as soon as possible.
Forfeit, none. Plans and specifications filed.

(4315) EXCAVATING, CONCRETE work, reinforcing steel on above.
Contractor—F. E. Nelson, 3090 King St., Berkeley.
Filed Dec. 3, '21. Dated Dec. 2, '21.
Payments same as above.
TOTAL COST, $19500
Bond, none. Limit, as soon as possible.
Forfeit, none. Plans and specifications filed.

(4316) PLUMBING & SEWER WORK on above.
Contractor—Scott Co., 381 11th St., Oakland.
Filed Dec. 3, '21. Dated Dec. 2, '21.
Payments same as above.
TOTAL COST, $1489
Bond, none. Limit, as soon as possible.
Forfeit, none. Plans and specifications filed.

(4317) ROOFING ON ABOVE.
Contractor—H. C. Brown Roofing Co., 3417 San Pablo Ave., Oakland.
Filed Dec. 3, '21. Dated Dec. 2, '21.
Payments same as above.
TOTAL COST, $1152
Bond, none. Limit, as soon as possible.
Forfeit, none. Plans and specifications filed.

(4318) SHEET METAL WORK ON above.
Contractor — American Sheet Metal Works, 319 11th St., Oakland.
Filed Dec. 3, '21. Dated Dec. 2, '21.
Payments same as above.
TOTAL COST, $940
Bond, none. Limit, as soon as possible.
Forfeit, none. Plans and specifications filed.

(4319) TILE WORK ON ABOVE.
Contractor—The Rigney Tile Co., 2148 Telegraph Ave., Oakland.
Filed Dec. 3, '21. Dated Dec. 2, '21.
Payments same as above.
TOTAL COST, $1363
Bond, none. Limit, as soon as possible.
Forfeit, none. Plans and specifications filed.

DWELLING a
(4320) E ALAMEDT 78 N El Dorado, Berkeley. One-story 5-room dwlg.
Owner—S. C. Parr, 856 Shattuck Ave., Berkeley.
Architect—None.
Day's work. $3000

ALTERATIONS
(4321) NO. 1936 CEDAR ST., Berkeley. Alterations and additions.
Owner—Mrs. Betts, 182 Alvarado St., Berkeley.
Architect—None.
Contractor—McCullough & Son, 1641 Allscton Way, Berkeley. $600

APARTMENTS
(4322) SW HILLEGASS AND ASHBY, Berkeley. Two-story 16-room apartments.
Owner—Jeffery, San Leandro.
Architect—None.
Contractor—Edw. Larmer, 90 Fairview Ave., Piedmont. $13,500

ALTERATIONS
(4323) NO. 1448 SIXTH ST., Berkeley. Alterations.
Owner—John Gallagher, 837 Gilman St., Berkeley.
Architect—None.
Contractor—J. H. Luthge, 1019 40th St., Oakland. $400

DWELLING
(4324) S AGUA VISTA 495 E Rosedale, Oakland. One-story 5-room dwelling.
Owner—J. W. Sigwald, 3038 Maine St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(4325) N BAY VIEW AVE 200 E E-28th St., Oakland. One-story 5-room dwelling.
Owner—A. A. Glantz, 4651 San Sebastian St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(4326) W GREENWOOD AVE 110 S Brighton, Oakland. One-story five-room dwelling.
Owner—F. L. Burris, 1546 11th Ave., Oakland.
Architect—Wm. J. Wilkinson, 1st Svgs. Bank Bldg., Oakland.
Contractor—Harry C. Knight, 388 12th St., Oakland. $5500

ALTERATIONS
(4327) NO. 6055 HARWOOD AVE., Oakland. Alterations and additions.
Owner—Miss C. Albers, Premises.
Architect—None.
Day's work. $800

GARAGE
(4328) S KEITH AVE 300 E College Ave., Oakland. Garage.
Owner—M. Hutchinson, 5677 Keith Ave., Oakland.
Architect—None.
Contractor—Jones & Sleep, 5642 College Ave., Oakland. $320

DWELLING
(4329) S MADELINE 200 E Laurel Ave., Oakland. One-story 5-room dwelling.
Owner—Lydia C. Brown, 3020 35th Ave., Oakland.
Architect—None.
Contractor—S. C. Brown. $3000

SHOP
(4330) N SUNNYHILL SLOPE 40 W Hill Side Road, Oakland. Shelter shop.
Owner—Oakland Traction Co.
Architect—C. W. McCall, Central Bank Bldg., Oakland.
Contractor—H. P. Nelson, 1947 Blake St., Beerkeley. $850

DWELLING
(4331) N SAN JUAN 300 E 38th Ave., Oakland. One-story 2-room dwlg.
Owner—W. H. Howland, 3816 San Juan St., Oakland.
Architect—None.
Day's work. $500

REPAIRS
(4332) NO. 1733 SEVENTEENTH ST., Oakland. Fire repairs.
Owner—Mrs. Minnie Worden.
Architect—None.
Contractor — Schnebly & Hostrawser, 6th and Jackson Sts., Oakland. $3334

DWELLING
(4333) NW SIXTY-SIXTH AVE AND Flora St., Oakland. One-story 7-room dwelling.
Owner—Frank and Louise Machi, Martinez, Calif.
Architect—None.
Contractor—R. Norling, 2616 84th Ave., Oakland. $4000

GARAGE, ETC.
(4334) SW TWENTY-SECOND AVE. and Independence Way, Oakland. Two-story garage and store room.
Owner—F. Jenkens, 1633 22nd Ave., Oakland.
Architect—None.
Contractor—E. Ruthberg, 113 Park Ave., Alameda. $500

GAS HOLDER
(4335) NO. 1135 THIRD ST., Oakland. Steel gas holder.
Owntr—California Compressed Gas Co., 3rd and Adeline Sts., Oakland.
Architect—None.
Contractor—Steel Tank & Pipe Co., 1100 Fourth St., Berkeley. $4000

ALTERATIONS
(4336) SE TWELFTH AND BROADway, Oakland. Alterations.
Owner—B. Jacobs.
Architect—None.
Contractor — F. T. Kennedy, 1125 Broadway, Oakland. $1000

HOSPITAL
(4337) GORE VALLICITO & E 27TH St., Oakland. Four-story concrete hospital.
Owner—County of Alameda.
Architect—H. H. Meyer, Kohl Bldg., San Francisco.
Contractor—M. C. Vaughn, 357 12th St., Oakland. $480,000

DWELLING
(4338) S WELLINGTON AVE 600 E Park Blvd., Oakland. One and one-half-story 7-room dwelling.
Owner—C. P. McCoy, 4314 View St., Oakland.
Architect—None.
Day's work. $4000

FLATS
(4339) N YOSEMITE AVE 125 E Piedmont Ave., Oakland. Two-story 15-room flats.
Owner—B. F. Scott, 128 Ricardo St., Piedmont.
Architect—None.
Contractor—S. C. Walker, 3231 Boston Ave., Oakland. $8000

RECORDED

ADDITION
(4340) SE COR 3RD AVE & E 18TH St., Oakland. Addition to store building.
Owner—Jules Somps, 1917 San Pablo Ave., Oakland.
Architect—Hutchison & Mills, 1512 Broadway, Oakland.
Contractor—Mullen & La Vore, 265 9th St., Oakland.
Dated Dec. 5, '21. Filed Dec. 1, '21.
Roof boards on .....¼
Brown coated .....¼
Completed and accepted .....¼
Usual 35 days .....¼
TOTAL COST, $1150
Bond, sureties, forfeit, none; limit, 60 days Plans, filed; specifications, none.

DWELLING
(4341) S CEDAR 80 W Josephine St., Berkeley. One-story 5-room dwlg.
Owner—G. C. Weil, Cor. Cedar and Josephine Sts., Berkeley.

Architect—M. P. Bowers, 2322 Valley St., Berkeley.
Contractor—F. P. Bowers, 2027 Channing Way, Berkeley. $4000

BATTERY SHOP
(4342) NO. 2054 CENTER ST., Berkeley. One-story hollow tile battery shop.
Owner—W. E. Woolsey, Hotel Whitecotton, Berkeley.
Architect—None.
Contractor—E. P. Butterfield, 2488 Shattuck Ave., Berkeley. $6000

DWELLINGS
(4343) SW COR HOPKINS & BRUCE, Oakland and W Bruce St 50 S Hopkins. Two 1-story 4-room dwellings.
Owner—C. B. Deuble.
Architect—None.
Contractor—A. R. Attebery. $3,000 ea.

REPAIRS
(4344) 1400 8TH ST., Oakland. Fire repairs.
Owner—F. Faige.
Architect—None.
Contractor—A. H. Rose, 525 17th St., Oakland. $466

DWELLING
(4345) S HOLLY ST 150 E 98th Ave, Oakland. One-story 4-room dwelling.
Owner—John R. Faulkes, 9828 E-14th St., Oakland.
Architect—None.
Day's work. $2500

ADDITION
(4346) N LIGGETT DR 1250 E Hampton Rd., Oakland. Addition to dwelling.
Owner—Geo. W. Kaiser, 362 Magnolia St., Oakland.
Architect—None.
Day's work. $3500

SHED
(4347) E MAGNOLIA ST 207 S 5th St., Oakland. Two-story lumber shed.
Owner—Lannon Bros. Mfg. Co., 362 Magnolia St., Oakland.
Architect—None.
Day's work. $5000

DWELLING
(4348) W 60TH AVE 200 N Foothill Blvd, Oakland. One-story 6-room dwelling.
Owner—Wm. S. Kepple, 2619 62nd Ave., Oakland.
Architect—None.
Day's work. $3750

DWELLING
(4349) NW COR E-34th & BRUCE Sts., Oakland. One-story 4-room dwelling.
Owner—C. B. Deuble, Syndicate Bldg., Oakland.
Architect—None.
Contractor—A. R. Attebery, 2039 42nd Ave., Oakland. $3000

ALTERATIONS
(4350) 385 12TH ST., Oakland. Alterations.
Owner—Otto Ezenberger, 391 12th St., Oakland.
Architect—None.
Contractor—Jensen & Pedersen, 3411 Adeline St., Oakland. $2000

DWELLING
(4351) W WEST ST 200 N 51st St., Oakland. One-story 4-room dwelling.
Owner—E. Pardini, 5115 West St., Oakland.
Architect—None.
Contractor—Pio Bennisini, 5162 Miles Ave., Oakland $3000

RECORDED

DWELLING
(4352) E 23 LOT 13 & W 37 LOT 14 Blk 14 on south side Rosemont Rd. Lakeshore Highlands. Oakland. Dwelling.
Owner—Ralph E. and Virginia A. Cotter, 409 61st St., Oakland.
Architect—E. D. Flynn, 6393 Hillegass Ave., Oakland.
Contractor—Chester A. Gossett, 327 Davis Court, San Leandro.
Filed Dec. 6, '21. Dated Dec. 5, '21.
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST. $9400
Bond, sureties, forfeit, none; limit, 75 days. Plans and specifications, none. NOTE:—Contract was recorded in triplicate.

CONCRETE STORES
W SHATTUCK AVE., from Bancroft to Durant, Berkeley. One-story concrete stores.
Owner—W. W. Whitecotton, Hotel Whitecotton, Berkeley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Segregated Contracts. $54,000
NOTE:—Recorded contracts reported Dec. 5, 1921.

DWELLING
(4353) MANOR DRIVE. Piedmont. Two and one-half-story frame dwelling.
Owner—J. V. Grunbaum, 336 Olive Ave., Piedmont.
Architect—None.
Contractor—W. J. Baker, 2255 Ransome Ave., Piedmont. $7000

DWELLING
(4354) LOT 105, Nova Piedmont. Two story frame dwelling.
Owner—R. G. Gibson, 1150 E-14th St., Piedmont.
Architect—None.
Day's work. $5000

DWELLING
(4355) LOT 62 Piedmont Manor. One and one-half-story frame dwelling & garage.
Owner—E. Field.
Architect—None.
Day's work. $4950

DWELLING
(4356) RAMONA AVE., Piedmont. One and one-half-story frame dwelling.
Owner—R. M. Myers, 26 Estrella Ave., Piedmont.
Architect—None.
Day's work. $2500

DWELLING
(4357) SAN CARLOS AND MAGNOLIA Aves., Piedmont. Two-story frame dwelling.
Owner—Capt. F. Bischop, 317 San Carlos Aves., Piedmont.
Architect—None.
Day's work $4995

SCHOOL
(4358) SW SAN ANTONIO AND Chestnut Sts., Alameda. Two-story 8-room school.
Owner—Roman Catholic Archbishop of San Francisco
Architect—W. D. Shea, Chronicle Bldg., San Francisco.
Contractor—J. W. Smith, 180 Jessie St., San Francisco. $40,000

DWELLING
(4359) NO. 2826 SAN JOSE AVE., Alameda. One-story 5-room dwelling
Owner—Collie Buck, 1214 College Ave. Alameda
Architect—None
Contractor—S. J. Lundberg, 3434 Elmwood Ave. Alameda $2500

DWELLING
(4360) N BEVERLY PLACE 200 W Monterey, Berkeley. One-story 5-room dwelling.
Owner—Brooks Parker, 934 The Alameda, Berkeley.
Architect—None.
Day's work. $3500

DWELLINGS
(4361) NO., 2304, 06, 10,, 12,, 14, 18 Spaulding St., Berkeley. Six one-story 5-room dwellings.
Owner—Louis Saroni, 612 Howard St., San Francisco.
Architect—None.
Contractor—C. P. Pond, 1163 Ashmont St., Oakland. $2850 each

SHOP
(4362) FOOT ADELINE ST., Oakland. One-story paint shop.
Owner—Moore Shipbuilding Co.
Architect—None.
Day's work. $2000

GARAGE
(4363) NO. 420 BELLEVIEW AVE., Oakland. Garage.
Owner—Catherine Mullen.
Architect—None.
Contractor—Fred Omo, 2 28 11th Ave., Oakland. $750

DWELLING
(4364) W COLE 165 N Ygnacio, Oakland. One-story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(4365) S E-FOURTEENTH 58 W 89 h Ave., Oakland. One-story 3-room dwelling.
Owner—D. Vaughan, 6821 E-14th St., Oakland.
Architect—None.
Contractor—C. L. Hewitt, 2736 98th Ave Oakland. $2000

FLATS
(4366) N E-FOURTEENTH 75 W 34th Ave., Oakland. Two-story reinforced Concrete flats and stores.
Owner—Jos. Le Barce, Willitts, Calif.
Architect—None.
Contractor—J. B. Petersen, 2053 38th Ave., Oakland. $10,000

DWELLINGS
(4367) W FAIRMONT AVE 40 S Moss Ave. and SW Fairmont and Moss Aves., Oakland. Two one-story 6-room dwellings.
Owner—Carpenter & West, 5675 College Ave., Oakland.
Architect—None.
Day's work. $4000 each

GARAGE
(4368) S FOURTH 60 E Broadway, Oakland. One-story concrete garage.
Owner—Buzzone Estate, 2d and Franklin Sts., Oakland.
Architect—None.
Contractor—H. J. Christensen, Federal Bldg., Oakland. $20,000

DWELLING
(4369) E FRUITVALE 9VE 200 N E-17th St., Oakland. One-story three room dwelling.
Owner—F. Ameberg, 1728 Fruitvale Ave., Oakland.
Architect—None.
Contractor—John M. Smith, 3325 Hughes St., Oakland. $700

FACTORY
(4370) W HIGH 150 S E-14th St., Oakland. One-story factory
Owner—Automotive Elec. Machine Co., 567 Pacific Bldg., San Francisco.
Architect—None
Contractor—S. J. Lundberg, 3431 Elmwood, Oakland $6000

DWELLING
(4371) S HIGGRIT CIRCLE 79 E Kenwin Road, Oakland. One-story 5-room dwelling.
Owner—C. Harrod McCaslin, 1524 Franklin St., Oakland.
Architect—None.
Contractor—Chas. C. Williams, 1512 Broadway, Oakland. $3000

DWELLING
(4372) NE MAPLE AVE and Georgia St., Oakland. One-story 4-room dwelling.
Owner—Mrs. Cora Nelson, 3550 Maple Ave., Oakland.
Architect—None.
Contractor—P. E. Nelson. $2000

DWELLINGS
(4373) E MITCHELL 170 and 200 N E-14th St., Oakland. Two one-story 4-room dwellings.
Owner—Theo. Gier.
Architect—None.
Contractor—F. E. Stolte, 3455 Laguna Ave., Oakland. $2950 and $3150

DWELLING
(4374) E 107TH AVE 220 S Bancroft Ave., Oakland. One-story 4-room dwelling.
Owner—J. Bertram, 1619 2nd Ave., Okd.
Architect—None.
Contractor—A. B. Eastman, 1731 4th Ave., Oakland. $2800

DWELLING
(4375) E PARK BLVD. 150 S E-38th St., Oakland. One-story 5-room dwelling.
Owner—Mildred A. Krause, 431 37th St., Oakland.
Architect—None.
Contractor—Geo. Williams. $4500

SERVICE STATION
(4376) SW PIEDMONT AND RIDGEway, Oakland. One-story brick service station.
Owner—J. E. Bowers, 641 Apgar St., Oakland.
Architect—None.
Day's work. $1000

DWELLING
(4377) SE SPRUCE AND PROSPECT Ave., Oakland. One-story 6-room dwelling.
Owner—Clare H. Williams, 333 49th St. Oakland.
Architect—A. H. Peterson, 1st National Bank Bldg., Oakland.
Day's work. $4500

DWELLING
(4378) W ST PAUL COURT 90 N Masonic Ave., Oakland. One and one-half-story 5-room dwelling.
Owner—Otto A. Schuneman.
Architect—None.
Contractor—Chas. Schuneman, 2253 9th Ave., Oakland. $3500

ADDITION
(4379) NO. 270 TWENTY-EIGHTH St., Oakland. Addition.
Owner—Mrs. J. Belford.
Arcintect—None.
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Piedmont. $2000

ADDITION
(4380) NO. 350 TWENTY-NINTH ST., Oakland. Addition.
Owner—Dr. Katherine McClurg.
Architect—None.
Contractor—Oliver Duval & Son, Dalziel Bldg., Oakland. $1468

ALTERATIONS
(4381) NO. 1558 WEBSTER ST., Oakland. Alterations.
Owner—Jas. Rennil.
Architect—None.
Contractor—J. F. Shrader, 520 16th St., Oakland. $1000

RECORDED

RESIDENCE
(4382) LOTS 42 TO 47 Map Poplar Tract, Eden Tp. Terra cotta walls, and reinforced concrete supporting same for one and two-story residence.
Owner—Maud M. Gibson, 1414 Le Roy St., Berkeley.
Architect — Kenneth MacDonald, 234 Pine St., San Francisco.
Contractor—Richard J. H. Forbes, Monadnock Bldg., San Francisco.
Filed Dec. 6, '21. Dated Nov. 22, '21.
1st and 15th of each month.. 75%
Usual 35 days..... 25%
TOTAL COST, $13,670
Bond, $6835. Sureties, Minnie C. Forbes and John Cassaretto. Limit, as fast as possible. Forfeit, $10. Plans and specifications, none.

DWELLING
(4383) LOT 7 and W 25 Lot 6 Blk "A" Map Whitney Tract, Berkeley. All work for two-story and basement frame dwelling.
Owner—Mrs. Estelle S. Clarke, 2210 Derby St., Berkeley.
Architect—B. R. Maybeck, Lick Bldg., San Francisco.
Contractor—Lawton & Vezey, Plaza Bldg., Oakland.
Filed Dec. 7, '21. Dated Dec. 5, '21.
Bet. 1st and 10th of each month 75%
Usual 35 days.....$4812
TOTAL COST, $19,248
Bond, $9624. Surety, U. S. Fidelity & Guaranty Co. Limit, 120 days. Forfeit, none. Plans and specifications filed.

SEWER WORK
(4384) NW COR E-14TH ST & STANley Ave. NE 1031-69 NW 780-90 SW 1032-49 SE 781-80, Oakland. Sewer work for auto assembly plant.
Owner—Durant Motor Co. of Calif., through agent, P. J. Walker Co., Monadnock Bldg., San Francisco.
Architect—None.
Contractor—F. C. Vieira, 1748 21st Ave., Oakland.
Filed Dec. 6, '21. Dated Nov. 30, '21.
10th day of each month.....75%
Usual 35 days 25%
TOTAL COST, $1805
Bond, $903; surety, Fidelity and Deposit Co.; forfeit, none; limit, 15 days. Plans and specifications filed.

PLASTERING
(4385) NEWARK. Exterior plastering for sub-station.
Owner—Pacific Gas & Electric Co.
Architect—None.
Contractor—Herman Bosch, 180 Jessie St., San Francisco.
Filed Dec. 7, '21. Dated Nov. 29, '21.
Completed 75%
Usual 35 days 25%
TOTAL COST, $2350
Bond, $1175; surety, Fidelity & Deposit Co.; forfeit, none; limit, 28 days. Plans and specifications filed.

DWELLING
(4386) NO. 2961 COLLEGE AVE., Berkeley. One-story 5-room dwlg.
Owner—F. E. Romie, 418 Newton Ave., Oakland.
Architect—None.
Contractor — Leslie R. Wilson, 2216 Blake St., Berkeley. $8000

DWELLINGS
(4387) N SNYDER 109.50 and 134.75 W Ninth St., Berkeley. Two one-story 4-room dwellings.
Owner— Hans C. Andersen, 1403 Santa Fe., Ave., Berkeley.
Architect—None.
Day's work. $1000 each

DWELLING
(4388) NO. 794 VINCENTE ST., Berkeley. One-story 5-room dwelling.
Owner—O. E. Heino, 1927 Haste St., Berkeley.
Architect—None.
Day's work. $3000

DWELLING
(4389) N CHABOT ROAD 150 E Maria Way, Oakland. One-story 2-room dwelling.
Owner—H. G. Brause, 5541 Vicente St., Oakland.
Architect—None.
Contractor—T. Campomenosi, Lawton Ave., Oakland. $550

DWELLING
(4390) S ROSEMOUNT ROAD 300 E Longridge Road, Oakland. Two-story 8-room dwelling.
Owner—R. E. Cotter.
Architect—None.
Contractor—C. A. Gossett, 327 Davis St., San Leandro. $9400

ALTERATIONS
(4391) NO. 194 SIXTY-FIFTH ST., Oakland. Alterations and additions
Owner—Chas. L. Bailey.
Architect—None.
Contractor—E. F. Sanctuary, 1070 65th St., Oakland. $400

DWELLING
(4392) N YGNACIO AVE 116 W 45th Ave., Oakland. One-story 4-room dwelling.
Owner—E. O. Francis, 3940 E-14th St., Oakland.
Architect—None.
Day's work. $2000

FLATS
(4393) W WAKEFIELD AVE 120 N Wickson, Oakland. Two-story 12-room flats.
Owner—C. C. Meyers, 4302 West St., Oakland.
Architect—None.
Contractor—A. T. Hendricks, 47 Fairview Ave., Piedmont. $10,700

DWELLING
NO. 1418 HAWTHORNE ST., Berkeley. Two-story 10-room dwelling.
Owner—Mrs. E. S. Clark.
Arcihtect—Maybeck & White, 35 Montgomery St., San Francisco.
Contractor—Lawton & Vezey, Plaza Bldg., Oakland. $19,248
NOTE:—Recorded contract reported Dec. 8, 1921, No. 4348.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted

Dec. 8, 1921—W 10 LOT 5 and E 30 Lot 4 Blk 1, Amended Map Blk 1, Thousand Oaks, ——. A H Pallen to whom it may concern. Dec. 7, 1921

Dec. 7, 1921—PTN LOTS 27 AND 28 Blk 1, Map East Piedmont Heights Extension, Oakland. Harry P Fisher to whom it may concern... .....Dec. 5, 1921

Dec. 7, 1921—LOT 14 Map Lakeshore Extension Tract, Oakland. Harry P Fisher to whom it may concern.. .....Dec. 5, 1921

Dec. 6, 1921—7TH ST, BAY TO FALlon, Oakland. S P Co to Hutchinson Co. .....Dec. 2, 1921

Dec. 6, 1921—W ALICE ST 1058 N 13th St N 156 W 150, Oakland. Auto Palace Garages, formerly known as Service Garage Co., to Walter Mork, Dec. 2, 1921; F E Nelson, Nov. 26, 1921; F E Nelson .....Nov. 26, 1921

Dec. 6, 1921—NE COR ALAMEDA Ave and Union St 73x100, Alameeda. Max Claussenius to F O Harris and C H Andrews. Dec. 5, 1921

Dec. 5, 1921—LOT 59 & N 15 LOT 60 Map Northside Park, Berkeley. Sandra Johanson to Gustaf Johanson .....Dec. 5, 1921

Dec. 5, 1921—E 9TH AVE 83-33 S E17th St, Oakland. Edith C Eng-

dahl to Isakson & Sons..Dec. 2, 1921
Dec. 5, 1921—SE THIRTY-EIGHTH Ave and Penniman Ave, 50x50, Oakland. George Macdanold to Macdonald Engineering Co.....Dec. 5, 1921
Dec. 5, 1921—NW GRAND AVE & Broadway, Oakland. Irene M Roos to S G Jackson.....Dec. 1, 1921
Dec. 5, 1921—LOT 8 BLK "L" Northbrae Terrace, Berkeley. Mrs. Elizabeth G Dodge to Louis O Hansson .....Dec. 3, 1921
Dec. 5, 1921—E NINTH AVE 50 S E-17th, Oakland. Amanda C Schlenker to Isakson & Sons.....Dec. 2, 1921
Dec. 3, 1921—676 LONGRIDGE RD., Oakland. Anna G. Gartland to whom it may concern....Dec. 3, 1921
Dec. 3, 1921—E COR HILLCREST Circle and Hillcrest Court S 26-5 E 162-62 N 50 W 157-62 S 27-3, Berkeley. Charles Fisher to Alfred Peterson .....Nov. 17, 1921
Nov. 28, 1921—E 30 FT. LOT 5 and all Lot 4 Blk 9-1816 Map Shattuck Tract No. 4, Berkeley. Helena Desler and Henry D Desler to Gustaf Johanson.....Nov. 26, 1921
Dec. 2, 1921—NO. 937 PAMONA AVE, Albany. Forrest and Lily E Rolerson to whom it may concern.....Nov. 15, 1921
Dec. 2, 1921—E BROADWAY 385-9 N Orchard N 50 E 60-11 E 60-11 S 50 W 67-3 W 67-3, Oakland. Mary E Prosser to whom it may concern .....Nov. 25, 1921
Dec. 2, 1921—LOT 3 BLK 9, Claremont, Berkeley. Cecilia D Sherry to J P Brennan.....Dec. 1, 1921
Dec. 2, 1921—NW DELAWARE AND McGee Ave W 85xN 60, Berkeley. Charles Eley Arthur to whom it may concern.....Dec. 1, 1921

CESSATION OF LABOR

ALAMEDA COUNTY

Dec. 7, 1921—LOT 29 BLK 17 Map Lakeshore Highlands, Oakland. Olaf Newlander with Fred N Strang work ceased.....Nov. 5, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Dec. 1, 1921—W E-21ST ST 390 S 5th Ave. S J Cinnamond (Cinnamond Floor Co) vs Wm and Amelia Henry $365.00
Dec. 2, 1921—LOT 24 BLK E MAP East Piedmont Heights, Oakland. P H Franks vs F N Strang amd W Price $59.20

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
Dec. 2, 1921—S HARMON ST 240 E Baker St E 80 S 100, Berkeley. M Stulsaft Co to J W Wisehart..$53.98

Notice of Non-Responsibility

ALAMEDA COUNTY.

Dec. 5, 1921—W ALICE ST 1058 N 13th St N 156 W 150, Oakland. Louis R Lurie, as to improvements on property.....
Dec. 3, 1921—LOTS 26, 27 AND NE 12½ Lot 28 Blk 9 Map Key Route Heights, Oakland. Alameda Investment Co. as to improvements on property .....
Dec. 2, 1921—W BULKHEAD LINE of S side San Antonio Estuary 153.10 SE of Station No. 22 NW 650 NW 100 SE 673.02 NE 324.5, ——. Southern Pacific Co and Standard Coal Co as to improvements on property .....
Dec. 2, 1921—S COLERIDGE & FAIR Ave SW 39-8 x S 122-6. Johan Schulze as to imporevements on property .....

HOMESTEADS

ALAMEDA COUNTY

Dec. 8, 1921—N HARMON ST 100 E California St N 50xE135, Berkeley. Anna Fritz, wife of Charles....$4000
Dec. 8, 1921—N 37TH ST 160-82 E Grove St E 39 N 147-50, Oakland. David W and Minnie Billings..$4000
Dec. 8, 1921—SE CHETWOOD ST 150-97 NE Santa Clara Ave NE 37 SE 132, Oakland. Fred B Hart....$4500
Dec. 7, 1921—E ADELINE 100 N 30th N 38xE 122, Oakland. Mary A Brown $3500
Dec. 7, 1921—LOT 11 Sheet 1, Map Thornhill Park, Oakland. E R Connelley $7000
Dec. 6, 1921—N ALCATRAZ AVE 50.92 W Dana W 35xN 115, Oakland. Emma Thelma Kightlinger (wf Walter Lincoln) $5000
Dec. 3, 1921—SE 12TH AVE & SW E-19th St. SW 60 SE 33-8, Oakland. Stella E Emerson, wife Melvin R. $5000
Dec. 3, -921—SW 3RD ST & SE B ST SW 50 SE 150, Hayward. Emil D Viery, wife Joseph Y.....$5000
Dec. 6, 1921—PORT LOT 21 BLK D Map Grand Avenue Heights, Oakland. P J Daniels.....$5,000
Dec. 6, 1921—SE CLAREMONT AVE 250 NE Forest St NE 50 SE 125. Oakland. Anna Ellen Fibush, wife of Felix $7,000
Dec. 2, 1921—NW 23RD AVE 112-21 NE E-22nd St NE 38 NW 118-35, Oakland. Alice M Elliott wife of Clarence A.....$3000

CITY OF OAKLAND BUILDING TOTALS FOR NOVEMBER, 1921

Classification of Buildings	No. of Permits	Cost
1-story dwellings....	182	$ 520,200
1-st 2 fmy dwelling..	5	23,250
1-story dwlg & stores	3	9,300
1½-story dwellings..	2	8,000
2-story dwellings....	9	69,794
2-story flats.....	7	54,650
2-story apartments..	1	10,000
1-story factory.....	1	5,000
2-story factory.....	1	12,000
1-story stores.....	7	17,277
2-st apmnts & stores	3	27,000
1-story schools.....	2	6,000
1-story church bldg..	1	19,368
1-st auditorium&gym	1	9,000
1-story gymnasium..	1	1,300
1-story warehouse...	3	6,655
1-story greenhouse...	1	125
4-st R C loft bldg....	1	60,000
1-st R C boiler house	1	2,000
1-st R C sub station..	1	32,000
1-st concrete garages	3	20,490
1-st brk barn&stable	1	16,000
1-st brk service stn..	3	2,150
1-st brk boiler house	2	725
1-st brick stores.....	1	11,000
Brick addition.....	1	30,000
1-st tile bakery.....	1	15,000
1-story tile factory..	1	6,500
1-story tile garages.	3	2,500
3-st stl frm factory..	1	49,000
1-st garages & sheds.	193	34,247
Tank frames.....	2	450
Electric signs.....	9	2,475
Additions	77	43,867
Alterations & repairs	114	107,851
Total	646	$1,235,174
SUMMARY		
New construction....	532	$1,127,323
Alterations & repairs	114	107,851
Total	646	$1,235,174

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

DWELLING
1573 57TH ST., Sacramento. One-story 4-room dwelling.
Owner—Mrs. E. Hansen.
Architect—None.
Contractor—R. H. Saunders, 1814 48th St., Sacramento. $2600

DWELLING
2321 "D" ST., Sacramento. Two-story 5-room dwelling.
Owner—A. W. Williams, 817 "J" St., Sacramento.
Architect—None.
Contractor—J. W. Browne, 3410 38th St., Sacramento. $3400

DWELLING
NO. 1400 FORTY-SECOND ST., Sacramento. One-story 5-room dwlg.
Owner—M. A. Phillips, 817 J St., Sacramento.
Architect—None.
Contractor—J. W. Brown, 3410 38th St., Sacramento. $4200

DWELLING
NO. 220 THIRTY-FIRST ST., Sacramento. One-story dwelling.
Owner—Alice B. Waite, 801 8th St., Sacramento.
Architect—None.
Contractor—P. R. Petersen, 3401 Y St., Sacramento. $3100

DWELLING
NO. 2415 SIXTEENTH ST., Sacramento. One-story 5-room dwelling.
Owner — Jos. M. Smith, 328 32nd St., Sacramento.
Architect—None.
Contractor—J. P. Tyhurst, 3243 Montgomery Way, Sacramento. $2500

DWELLING
NO. 410 THIRD ST., Sacramento. One-story 5-room dwelling.
Owner—W. E. Trainor, 813 J St., Sacramento.
Architect—None.
Contractor—E. D. Brier, 321 27th St., Sacramento. $2750

DWELLING
NO. 520 TWENTY-NINTH ST., Sacramento. One-story 5-room dwlg.
Owner—Robertson Govan, 1025 8th St., Sacramento.
Architect—None.
Contractor—A. L. Johnson, 2605 Portola Way, Sacramento. $3780

DWELLING
NO. 516 TWENTY-NINTH ST., Sacramento. One-story 5-room dwlg.
Owner—Robertson Govan Co., 1025 8th St., Sacramento.
Architect—None.
Contractor—A. L. Johnson, 2605 Portola Way, Sacramento. $3650

DWELLING
NO. 2612 S ST., Sacramento. One-story 5-room dwelling.
Owner—Eugene Bagley, Care Sacramento Lumber Co., Sacramento.
Architect—None.
Contractor—E. D. Brier, 813 J St., Sacramento. $3750

DWELLING
NO. 1200 T ST., Sacramento. One-story 5-room dwelling.
Owner—J. O. Prewett, 332 Bryte Bldg., Sacramento.
Architect—None.
Contractor—J. W. Brown, 3410 38th St., Sacramento. $3225

DWELLING
NO. 2210 G ST., Sacramento. One-story five-room dwelling.

Owner— E. V. Donalson, California Packing Cptn., Sacramento.
Architect—None.
Contractor—Wm. Thielbahr, 12th St. Road, Sacramento. $3600

DWELLING
NO. 2919 S ST., Sacramento. One-story 4-room dwelling.
Owner—A. A. Hoffman, 3236 T St., Sacramento.
Architect—None.
Day's work. $2500

DWELLING
2321 27TH ST., Sacramento. One-story 5-room dwelling.
Owner—M. L. Daviess, 1010 8th St., Sacramento.
Architect—None.
Day's work. $2850

STAGE DEPOT
500-14 "I" ST., Sacramento. Auto stage depot.
Owner—H. Kingsbrough, Sutter Club, Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento. $57,000

REMODELING
2014 27TH ST., Sacramento. Remodel basement.
Owner—Mrs. Marino, 2014 27th St., Sacramento.
Architect—None.
Contractor—Myers & Newman, 2710 "U" St., Sacramento. $2960

DWELLING
2220 18TH ST., Sacramento. One-story 5-room dwelling.
Owner—Joe V. Costa, 1309 6th St., Sacramento.
Architect—None.
Contractor—Frank Corey, 1423 "F" St., Sacramento. $3000

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted
Dec. 6, 1921—BLOCK F, G, 7TH & 8th, Sacramento. Sacramento City School District to whom it may concern .....Nov. 28, 1921
Dec. 3, 1921—PPTY BEG. AT POINT 108 ft. S 70° 39½' E from point on E line of 31st St., City of Sacramento, 155 ft. S 19° 39' W from intersection of E line of 31st St. with center line of H St. produced E from W line of 31st St. and running from said point of beg S 19° 30' W 80 ft., th S 70° 39½' E 60 ft., th N 19° 30' E 80 ft. and th N 70° 39½' W 60 to beg. Sarah J Briggs to whom it may concern. Dec. 1, 1921
Dec. 7, 1921—S 35' 2" OF W 69' LOT 1, J, K, 7th and 8th Sts., Sacramento. Merchants National Bank to whom it may concern. Nov. 26, '21
Dec. 1, 1921—STATION B NE¼ SEC 27 Twp 9 R 4 (for soot blowing equipment). Pacific Gas & Electric Co. .....Nov. 23, 1921

Notice of Non-Responsibility

SACRAMENTO COUNTY

Dec. 2, 1921—LOTS 746 & 747 ORange Park. C M Goethe as to improvements on property.....

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1,000 and Over Reported

HOUSE
THIRD AND MARTHA, San Jose. Six-room two-part house.
Owner—G. W. Dobson, 347 S-3rd St., San Jose.
Architect—H. W. Higbie, Porter Bldg., San Jose.
Day's work. $5500

BALCONY
135 S. FIRST, San Jose. Balcony in store.
Owner—Bloom's Shoe Store, Premises.
Architect—None.
Contractor—R. O. Summers, 17 N-1st St., San Jose. $1200

COTTAGE
273 S. 15TH, San Jose. 5-room cottage.
Owner—J. Donovan.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—F. J. Huxtable, 377 S-6th St., San Jose. $4300

COTTAGE
6th AND VIRGINIA, San Jose. Six-room cottage.
Owner—A. L. Wickland, 775 S-6th St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—S. G. Youngquist. $3930

RECORDED

DWELLING
CAMPBELL, Cal. All work for one-story six-room frame and cement dwelling.
Owner—Joseph F. Rogers, Campbell.
Architect—Chas. S. McKenize, Bank of San Jose Bldg., San Jose.
Contractor—E. E. Arnot and E. A. Priestlay, Santa Clara County.
Filed Nov. 30, '21. Dated Nov. 30, '21.
Frame up $1200
Enclosed and plastered..... 1200
Accepted and completed..... 1200
Usual 35 days..... 1200
TOTAL COST, $4800
Bond, none. Limit, 90 working days after Dec. 1, 1921. Forfeit, none. Plans and specifications filed.

COTTAGE
TWELFTH AND VIRGINIA STS., San Jose. All work for four-room cottage.
Owner—Marie Coulope, San Jose.
Architect—None.
Contractor—William H. O'Neil, 500 N-15th St., San Jose.
Filed Nov. 30, '21. Dated Nov. 29, '21.
Roof shingled $600
First plaster on..... 600
Notice of completion filed..... 600
Usual 35 days..... 600
TOTAL COST, $2400
Bond, none. Limit, March 1, 1921. Forfeit, none. Plans and specifications filed.

COTTAGE
SW COR FIFTH & WILLIAM STS., San Jose, Cal. One-story frame cottage.
Owner—J. T. Corpstein, Saratoga, Cal.
Architect—Not given.

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

Contractor—Hastings Bros., 524 E. St. James St., San Jose, Cal.
Filed Dec. 6, '1. Dated Nov. 30, '21.
When frame is up.....$1917.75
When plaster is on..... 1917.75
Completed and accepted..... 1917.75
Usual 35 days..... 1917.75
TOTAL COST, $7671.00
Bond, $3836; sureties, F. P. Heringer and J. H. McElroy; forfeit, none; limit, 100 working days from Dec. 5, 1981. Plans and specifications filed.

BUNGALOW
N SIDE STEVENS CREEK RD, westerly from the Cupertino Union School. One-story frame bungalow.
Owner—Charles Lowe, Cupertino, Cal.
Architect—Not given.
Contractor—F. G. Williams.
Filed Dec. 6, '21. Dated Dec. 5, '21.
When frame is completed...$1000.00
When exter. plaster is on.. 1000.00
Completed and accepted 1499.50
Usual 35 days 1499.50
TOTAL COST, $4999.00
Bond, $2500; surety, Earl D. Minton; forfeit, none; limit, 90 working days from Dec. 5, 1921. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Dec. 5, 1921—GILROY, CAL. W H Old to whom it may concern.... .....Nov. 21, 1921
Dec. 7, 1921—SAN JOSE. N J Everett to whom it may concern.. .....Dec. 6, 1921

RELEASE OF LIENS

SANTA CLARA COUNTY

Recorded Amount
Dec. 7, 1921—SAN JOSE. George Kelly (as Kelly Bros) to Ellen K Gano $300

BUILDING CONTRACTS

SAN MATEO COUNTY

RECORDED

ALTERATIONS
NORTHERLY LINE BURLINGAME Ave commencing 75 ft. westerly from W line of Main St, thence westerly 75 ft x 115 ft deep, Burlingame. Furnish and construct changes in and additions to present building known as Offield Bldg. (2-story concrete stores and apts.).
Owner—Archie S. Offield and Irene M. (his wife), Burlingame, Cal.
Architect—Alfred Kuhn and Thomas M. Edwards, 833 Market St., San Francisco.
Contractor — Frank H. Boring, 514 Santa Inez, San Mateo, Cal.
Filed Dec. 1, '21. Dated Nov. 29, '21.
Cellar walls up and 1st story joist on $2250
First story walls and 2nd story joist in place..... 2250
2nd story walls and part. and ceiling joist in place..... 2250
Roof on, brown interior plaster on, windows in place..... 2250
Completed 2250
Usual 35 days 3750
TOTAL COST, $15,000
Bond, $7500; sureties, Fred D. Sartan, James H. Taylor; forfeit, none; limit, 120 working days. Plans and specifications filed.

LOTS A AND C BLK C SAN MATEO Heights, San Mateo, Cal. One-story frame dwelling.
Owner—Claire Howard Ross.
Architect—E. L. Norberg, Bankers' Inv. Bldg., San Francisco.

Contractor—Leadley & Wiseman, 207 2nd St., San Mateo.
Filed Dec. 6, '21. Dated Dec. 6, '21.
Frame completed $1464.25
Roof on & rough plastered.. 1464.25
Completed 1464.25
Usual 35 days 1464.25
TOTAL COST, $5857
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

BUNGALOW
LOT 21 BLK 1, Burlingame Terrace, Burlingame. All work for one-story frame bungalow.
Owntr—Frank Watts, 1429 Bellevue Ave., Burlingame.
Architect—None.
Contractor—C. H. Bessett Bldg. Co., 660 Market St., San Francisco.
Filed Dec. 2, '21. Dated Nov. 30, '21.
Frame up and roof on.....$1237
Outside and inside plaster on and enclosed 1238
Completed and accepted..... 1238
Usual 35 days..... 1237
TOTAL COST, $4950
Bond, $2475. Surety, H. E. Bessett and Stanley Kelley. Limit, 52 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Dec. 5, 1921—S 45' OF LOT 19 BLK 5 Central Add to San Mateo, San Mateo, Cal. Oscar L Cavanagh to whom it may concern..Dec. 3, 1921
Dec. 1, 1921—LOT 3 BLK 2, Burlingame Park No. 4, Burlingame. Gladys P and Neill C Wilson to John Vaughn.....Nov. 5, 1921

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Dec. 7, 1921—LOT 3, Idlewild Redwoods. P D Jarvis vs A B and Elizabeth Sowden $120
Dec. 1, 1921—HOMESTEAD ADJ. TO San Mateo. J F McGowan vs Antoine Alfred Borel and Frank H Boring $804.55

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

RESIDENCE
TUXEDO, Stockton. Residence and garage.
Owner—Stockton Realty Co., 26 S-San Joaquin St., Stockton.
Architect—None.
Day's work. $4000

OFFICE BLDG.
NORTH EL DORADO ST., Stockton. Office building.
Owner—City of Stockton.
Architect—R. P. Morrell, I. O. O. F. Bldg., Stockton.
Contractor—Frank Tucker, 321 N. Sierra Nevada St., Stockton.
$23,000

STORE
ACACIA AND HARRISON STS., Stockton. Store and flats.
Owner—W. G. Eastman.
Architect—None.
Day's work. $10,000

RESIDENCE
WEST VINE ST., Stockton. Residence and garage.
Owner—Arthur Paulson, 2264 E-Market St., Stockton.
Architect—None.
Day's work. $4000

RESIDENCE
VERNAL WAY, Stockton. Residence and garage.
Owner—T. E. Williamson, Stockton.
Architect—None.
Day's work. $4800

RESIDENCE
WEST VINE ST., Stockton. Residence and garage.
Owner—T. E. Williamson, Stockton.
Architect—None.
Day's work. $4000

RESIDENCE
LEXINGTON AVE., Stockton. Residence.
Owner—M. E. Tobey, 119 Kensington Way, Stockton.
Architect—None.
Day's work. $4000

RESIDENCE
W-FOURTH ST., Stockton. Residence and garage.
Owner—J. A. Pearson, 420 E-Anderson St., Stockton.
Architect—None.
Day's work. $2600

ALTERATIONS
EAST LINDSAY ST., Stockton. Remodel flats.
Owner—Roscoe Brandt, 747 E-Lindsay St., Stockton.
Architect—None.
Day's work. $3500

FRAME FLATS
WEST POPLAR ST., being Lot 6 and E ½ Lot 14 Blk 60 W of Center St., Stockton. Two-story frame flat building.
Owner—T. J. and C. M. Gill, 130 E-Channel St., Stockton.
Architect—None.
Contractor —Jos. W. A. Gill, 1349 E-Lindsay St., Stockton. $8700
Filed Dec. 6, '21. Dated Dec. 3, '21. Limit, 90 days.

APARTMENTS
WEST CASTLE ST., Stockton. Apartments.
Owner—J. S. Osborn, 331 E-Main St., Stockton.
Architect—None.
Day's work. $12,000

RESIDENCE
ELIZABETH AVE., Stockton. Residence.
Owner — Wm. Isel, 1044 S-California St., Stockton.
Architect—None.
Day's work. $3000

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

DWELLING
NO. 3719 BALCH ST., Fresno. Dwelling.
Owner—W. S. Halliday.
Architect—None.
Day's work. $5500

SCHOOL
ROOSEVELT SCHOOL DISTRICT, Fresno. Masonry and frame building to house boiler room, toilet rooms and manual training room.
Owner—Roosevelt School District.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—J. B. Hart, 1225 Broadway Fresno.
Filed Dec. 5, '21. Dated Dec. 1, '21.
⅓ completed $1500
⅔ completed 1500
Completed 1185
Usual 35 days..... 1395
TOTAL COST, $5580
Bond, $1824. Surety, Fidelity & Casualty Co. of New York. Limit, 60 days. Forfeit, $5 a day. Plans and specifications filed.

PLUMBING & HEATING INSTALLATION on above.
Contractor—E. A. Newman Co., 1927 Merced St., Fresno.
Filed Dec. 5, '21. Dated Dec. 1, '21.
½ finished $1500
Completed 1147
Usual 35 days..... 1000
TOTAL COST, $3647
Bond, $912. Surety, Fidelity & Casualty Co. of New York. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
NO. 2028 TULARE ST., Fresno. Alterations.
Owner—Pacific Tel. & Tel. Co., Prem.
Architect—None.
Day's work. $18,000

COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted
Dec. 6, 1921—LOTS 25 TO 30 BLK 6, Lisenby Tract, Fresno. Foster C Wilson to whom it may concern.....Dec. 5, 1921
Dec. 3, 1921—H AND AMADOR STS, Fresno. O M and Nancy H Thompson to whom it may concern.....Oct. 29, 1921
Dec. 1, 1921—LOTS 10 AND 11 BLK 53, Fresno. Joe Olivers to whom it may concern.....Sept. 4, 1921
Dec. 1, 1921—LOTS 17 TO 21 BLK 41, Reedley. J E Cooksey et ux to whom it may concern...Nov. 23, 1921

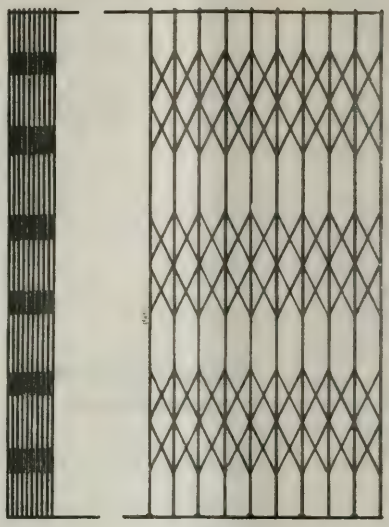
Notice of Non-Responsibility

FRESNO COUNTY

Dec. 6, 1921—LOTS 15 AND 16 BLK 20, North Park Terrace, Fresno. W M Parker as to improvements on property .....

THE ELECTRIC VS. THE STEAM LOCOMOTIVE

The electric locomotive is a better machine than the steam locomotive for the following, among other reasons: It has no boilers nor firebox; it has a shorter rigid wheel base; it carries no tender; it has a greater ratio of weight on drivers to total engine weight; it has less weight per driving axle and a greater porportion of its weight is spring borne; it has uniform torque, and therefore a higher coefficient of adhesion; it can be built for any power desired by increasing the number of driving axles and is therefore free from limitations of length; its maximum torque is available at much higher speed; the steam locomotive can work to an adhesion of 20 per cent up to only 10 or 12 miles an hour, whereas the electric locomotive can work to this adhesion up to 20 to 25 miles an hour; its efficiency over a range of load from 50 to 100 per cent varies only a few per cent and is constant throughout its life, whereas the efficiency of the steam locomotive varies over a wide range with age and use—a modern superheated steam locomotive requires 50 per cent more steam per horsepower-hour at full load than at half load. A steam locomotive must burn coal in descending a grade on which an electric locomotive will regenerate energy. To sum up, the electric locomotive is much the better transportation tool. (From "A Superpower System for the Region Between Boston and Washington," U. S. Geological Survey.)



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SAN FRANCISCO, CALIF., DECEMBER 17, 1921

Published Every Saturday
Twenty-first Year, No. 51

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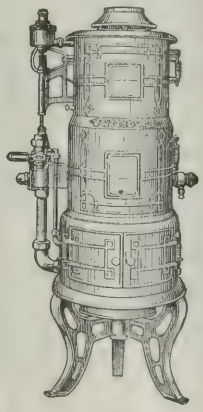

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CALIF., DECEMBER 17, 1921 — Twenty-first Year, No. 51

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SUPERPOWER PLAN WOULD OVERCOME LARGE WASTE

Recent investigations by the United States Geological Survey, Department of the Interior, in what is known as the superpower zone—the dense industrial region between Washington and Boston—show a waste of coal used in the production of power by the industrial establishments in this zone in the year 1919 to the amount of 13,502,100 tons. In other words, the energy developed by these establishments by the burning of 19,125,900 tons of coal could have been developed in large central power plants by the burning of 5,623,800 tons. This was a waste through inefficient independent power production of 71 per cent in coal consumption.

The industry using the largest amount of coal in the region is anthracite mining, and in this industry a coal saving of more than 75 per cent could be made if the mines were supplied from an efficient central electric power system. Many industries, it is stated, could save coal by the use of waste-heat boilers. Probably the greatest saving by this means could be made in the cement industry. It is estimated that if waste-heat boilers had been in use in 1919 in all the cement plants in the superpower zone, 540,000 tons of coal would have been saved in that single industry.

There are many blast furnaces in the superpower zone which are isolated from any steel plants or rolling mills, and approximately half their gases are wasted. These wasted gases would produce sufficient heat for boilers to generate 500,000,000 kilowatt-hours a year.

In certain plants the low-pressure steam requirements greatly exceed the power requirements, and there is no reason why such plants should not generate by-product power and sell it to the electrical distributing companies.

DISTRIBUTION OF HIGHWAY CONSTRUCTION COSTS

In the production of trucks in the United States in 1920, only two per cent were of five ton capacity and only one per cent over five ton. As the ratio of use must be in close proportion to the ratio of production, it follows that only about three per cent of vehicles, using California State highways, are of the so-called heavy duty type. This year there were approximately 40,000 trucks of all kinds registered in the State, which indicates only about 1,200 to 1,500 trucks of five ton or more capacity.

Highway construction, like other governmental activity, is based on public necessity, and this necessity should be met reasonably when highways are built, adequate to sustain 90% of the traffic. In California this percentage will include all motor, and other vehicles, up to and including two ton capacity.

Assuming that for $30,000 per mile an improved highway can be built adequate to sustain 90% of the vehicular traffic of the State, but that it will require $50,000 per mile to construct a highway which will sustain the weight required by ten per cent of heavier duty trukcs, should the general tax payer be required to invest an additional 66% in road construction for the exclusive benefit of this particular class of heavy vehicles?

There is a distinct trend in recent motor vehicle legislation in other states to tax vehicles which use highways on a basis of use or wear, by fixing a tax both or horsepower and weight, or a gasoline tax which automatically distributes itself according to the amount of fuel consumed.

There is also a pronounced disposition to limit loads to reasonable proportions for the more perfect protection of highways.

California at present does neither of these things. Highways are being constructed from bond funds provided by general taxation. Motor vehicle license fees are inadequate to provide funds necessary for proper maintenance, and the fees bear no relation to the wear and tear to which the vehicle licensed subjects the highway. The legal weight limit here is equaled by only three other states in the Union.

WOODEN COLUMN TESTS STARTED AT MADISON

The first of a series of column tests for the purpose of obtaining data on the effect of density and defects such as knots, checks, cross grain, etc., on the strength of structural columns of Southern pine and Douglas fir, have been started at the Forest Products Laboratory at Madison, Wis., under the direction of J. H. Newlin, in charge of timber tests at the laboratory, and D. F. Holtman, Construction Engineer, of the National Lumber Manufacturers' Association. The material for the first section of these tests consists of 40 pieces each of Douglas fir and Southern pine, measuring 12 in. x 12 in. x 24 ft. The experiments will cover a period of four years and the data will be used as a basis for recommending safe working stresses for structural columns.

ANNUAL REPORT OF OREGON STATE HIGHWAY COMMISSION

Herbert Nunn, Oregon State Highway Engineer, has prepared a report showing the expenditure during the fiscal year of 1921 of $18,245,821.37 by the highway commission. This money was divided as follows:

State funds	$15,031,655.14
Federal co-operative fund	2,181,956.65
County funds	985,831.42
Railway funds	46,378.16

Besides these amounts the state highway department has supervised the surveys and location for market roads, for which money is available to the aggregate of approximately $2,000,000.

During the year the commission has finished construction of approximately 188 miles of pavement, 499 miles of macadam and 504 miles of grading, or a total of 1191 miles constructed. It also has completed 98 bridges at an approximate total cost of $1,444,180.

The overhead cost of operating the state highway department, as set out in the report was 5.98 per centum of the total amount of money expended. This included the expense of the highway commission and secretary, legal department, auditing, cost-keeping, testing materials, road maps and information reports, bridge designs for counties engineering work furnished to counties, surveys and engineering for market roads, state surveys for co-operative construction, all engineering for construction on state and co-operative roads, and supervision of maintenance.

ENGINEERS TO ORGANIZE FOR WORLD PEACE

Engineers and scientists hereafter will devote their energies to the promotion and maintenance of world peace and will endeavor to strengthen their position as a factor in promoting world accord by the formation of an international union of engineers, said Ambrose Swazey of Cleveland before the American Society of Mechanical Engineers in annual session.

Prominent engineers have expressed themselves as favoring the limitation of armament, contending that a huge protective armament is not only a source of waste but actually weakening to the nation.

RECLAMATION COMMITTEE NAMED

The Chamber of Commerce of the United States is committed to advocacy of a national system of reclamation for undeveloped areas, to be initiated through adequate Federal appropriations. It is naming a special committee to study the whole subject, including bills which have been introduced in Congress, and to present a report to the board of directors with recommendations. The personnel of the committee sa far as it has been appointed is as follows: E. T. Meredith, Des Moines, Iowa; E. F. Blaine, Seattle, Wash.; Ward M. Burgess, Omaha, Neb.; Clyde C. Dawson, Denver, Colo.; F. H. Newell, Washington, D. C.; Walter Parker, New Orleans, La.; W. H. Sullivan, Bogalusa, La.; Jos. N. Teal, Portland, Ore.

The Observer

Up to December 13 the fleet of trucks engaged in wrecking the test highway at Pittsburg have traveled 57,908 miles and have subjected this circular track to a total weight of 1,896,560 tons, according to an announcement made Wednesday by the Good Roads Bureau of the California State Automobile Association, which is being represented at the tests by Highway Engineer A. K. Gowans. The total weight passing over each section of the track from December 4 to December 10 was 636,300 tons, the trucks traveling 17,538 miles.

While no section of the test highway has failed to date, several sections show evidences of failure. During the week ending December 3 eight cracks were observed, and for the week ending December 10 eighteen new cracks developed. Two of the eight cracks developd during the week ending December 3 appeared in Section B, constructed under the standard specifications of the State Highway Commission. Out of a total of eighteen cracks observed during the week ending December 10, nine were in this section.

Eminent engineers from all sections of the country are visiting the Pittsburg Highway. On Wednesday, December 14, the weight of the trucks was increased from eleven tons to thirteen and one-half tons each. This weight limit is to be increased during the coming week. During the course of the tests thirty-ton loads will be carried by the trucks at a speed of over twenty miles an hour. This is in order to observe the effect on the concrete slabs. Following this the road will be flooded and final destruction started.

National officers of the Associated General Contractors who recently made a tour of the West in the interests of construction and carried the message of the unemployment conference urging speeding up of construction to relieve unemployment, reported the results and impressions of their tour to Herbert Hoover, Secretary of Commerce, on their return to Washington. One thing upon which they laid particular stress was the fear they found, shared by the contractor, the banker and the public everywhere, that when the vast amount of deferred construction starts, prices vill begin to climb. As they saw it wages seem to be seeking a reasonable level, and labor efficiency in most cities has returned to normal, but business will move slowly unless assurances are given from authoritative sources that material prices are not merely waiting for the demand to become apparent in contracts to take advantage of the situation. Further they found a widespread impression that the difference between the manufacturers' and the retailers' prices is not what it should be.

In other words stabilization of prices on a fair level for a definite period of reasonable length is the solution of the problem of how to stimulate construction in sections where it has been lagging. Manufacturers and dealers can individually and in groups control prices to a certain extent. They constitute the "authoritative sources." But the public has to be reckoned with in any movement to stabilize prices as was shown during the revival of construction following the war. Providing production is always equal to the demand a reasonable level of prices can be easily maintained, but when there is an acute shortage some people will always be found ready and willing to pay a premium for delivery; and a very few bidding against each other under such conditions can start widespread demoralization in prices.

An era of extraordinary activity in building construction must come sooner or later. Now is the time for the building industry to take stock and see what position it will be in to meet the unusual demands that will be made upon it.

Now that the War Department has approved the proposed plan to bridge and tunnel San Francisco Bay, it is time for the booster spirit to again come into play. When the bridge proposal was first made public it created much talk—everybody was interested. The approval of the War Department is in itself a big step in the movement—but—a huge task is yet before the interested public. Means of financing! Let us commence today and talk "Build the Bridge" and continue to talk until the bridge is built.

Reliable information on the extent of building in 1921 is at the present time very important. Estimates vary greatly. The Civic Development Department of the Chamber of Commerce of the United States recently asked the building inspectors of the 81 American cities which have approximately 100,000 population or more to fill in a schedule similar to one sent them last Spring. So far, replies have been received from 44 cities. The value of the information is enhanced by its timeliness. The department has tabulated the returns now on hand and presents them in a slightly condensed form. The information is comparable to that in a pamphlet, "The Building Situation," issued by the Chamber in June, 1921, based on reports of building in 131 cities during 1920. When the final returns for 1921 have been received a report covering the entire year will be issued.

The figures now available, when compared with those of 1920, indicate some significant changes. The evidence is that the amount spent on building in 1921 will considerably exceed that spent in 1920. Moreover, as a dollar buys more construction this year than last, there probably will be much more construction to show for our money. But aside from the greater volume of building, there is a great difference in its distribution. Dwellings, which represented only 36.1% of the expenditures (611 million dollars) in these 44 cities during 1920, represented 57.9% (or 603 million dollars) in the same cities so far this year; and the indications are that the percentage will be increased when all the figures are in. At the same time, the percentage spent on mercantile buildings, factories, and office buildings has decreased.

According to word from Ottowa, experts declare the year 1921 has been one of the biggest house-building years in the history of Canada. No less than 14,000 dwellings were built up to December 1, as compared with 11,000 in 1920. Canada is said to be short 165,000 homes.

Walter Siders, Superintendent of Schools, Pocatello, Idaho, and fifteen or more associates are contemplating taking up land and establishing a colony in California. He desires to hear from those who might be interested in locating such an enterprise.

Guaranty Building and Loan Association of San Jose carries in San Jose papers an advertisement, in which is the query, "Why not build now? If a lack of sufficient funds and an inability to negotiate a loan have prevented it, call and see us at once. We are in a position to accept a limited number of applications for loans for building purposes only."

The City Brick Company, with the principal place of business as Los Angeles, has been incorporated with a capital stock of $100,000. Directors are: Joseph Simmons, Irene L. Simmons, Joe Taylor Simmons, Wilabel Reid Simmons and Harold L. Watt, all of Los Angeles.

Reductions averaging 33⅓ per cent on steel rails and iron and steel articles for export from Eastern territory to Pacific Coast ports are announced by the Southern Pacific Company. The new rates from Chicago and west are to be published immediately, those from east of Chicago as soon as Eastern lines concur. A substantial reduction in rates on strained honey from Pacific Coast points to Eastern territory will become effective December 15th.

The Division Executive Office of the Albion Lumber Company has been transferred from Tucson, Arizona, to San Francisco, effective December 1. This move was decided upon shortly after the death of President Epes Randolph. The offices are now located in the Southern Pacific Building, which will mean a closer co-operation between the executive and operative workings of the company.

The Hoff Magnesite Company has just completed the largest Magnesite floor west of Chicago for the United Service Corporation, 24 California street, San Francisco. The company is now at work on the John Bollman plant at Fourth and Brannan streets, where it has the contract to place about 100,000 square feet of flooring.

The Alameda County Health Center has been painted through the generosity of twenty-five master painters who contributed their services. Materials for the work were furnished, without cost, by the National Lead Company, the Downey Glass and Paint Company, M. Friedman & Co., Bass-Hueter Company, Chris Nelson Company, Sterling Paint Company and the W. P. Fuller Company.

(Continued on Page 31)

Road Expert Tells Need of Reform in Road Building and National Transportation

(By Samuel Hill, Honorary President, Washington State Good Roads Association Honorary Life President, Canadian Good Roads Association, and ex-President, American Road Builders' Association.)

The need of reform in road building and highway transportation, a subject that will receive extended discussion at the Good Roads Congress to be held under the auspices of the American Road Builders' Association at the Coliseum in Chicago, January 17 to 20, next, is one of vital interest to the people of the United States at this time. It is a subject that should receive the earnest consideration of every good roads advocate, every statesman and every public official who has the welfare of the country at heart and who wants to see the United States lead the world in cheap transportation facilities.

For forty years I have been interested in highway improvement in the United States, and to my mind the most important thing which the United States needs to do is to correlate its transportation system. Abroad, in many countries, there is a cabinet minister who has the title of Minister of Ways and Means of Communication. Water transportation, rail transportation and highway transportation should be fitted together in such a way as to best serve the public needs. There are materials, but few people can think of them, that do not move over highways before they reach the water or the railroad. Destructive competition is unwise and unnecessary. America began first of all by using highways. The capital of every state in the Union at one time, except Florida, was located on a water course. The development of steam power caused the abandonment of the policy of highway improvements inaugurated with the Old Cumberland Pike. Puffing Billy, on the Baltimore & Ohio Railroad, superseded the wagon train. Today Puffing Billy sees coming over the hard surface road, provided at public expense, what he regards as a competitor. So far has that fear grown that the railway men recognized, when they threatened to strike, that the country could exist without them.

The stone masons and the brick masons, feeling that they had the construction of buildings under their control, diminished the effectiveness of their work and raised their prices, and today the stone cutter is a rarity. Concrete superseded brick and stone. It is well for our railroad brethren to bear this in mind.

Transportation is the measure of civilization. Every nation has increased in wealth and its workers have received high wages, just in proportion as its transportation systems have been multiplied. The lowest wage rate today in the world is in China. There is not one single mile of highway in China. The average highway in China is fifteen inches wide. There is not one single mile of paved road in Japan; nor one single mile of paved street in Japan.

America's danger is that we will duplicate unnecessary means of transportation. Every one of the three is essential, but all should be correlated and welded into one machine to get the best results. If we fail to do this we will pay bitterly for it. You cannot get along without railways or waterways, and latterly we have come to understand what highways mean.

Today England is laying an 18-inch concrete base for all the roads of England. On top of that they are putting Tarmac. Over those roads they haul what they call steam lorries or traction engines, each engine pulling perhaps three cars holding five tons each. The railways have complained to Parliament, and Parliament is taxing those motor buses, so as to more equitably distribute the burden.

The United States has had the cheapest transportation in the world. Outside of the Great Lakes it has lagged behind in water transportation, and only within recent years, since the American Road Builders' Association was formed has the matter of proper highway transportation been taken up.

With our increasing population the problem of the production of food will become acute unless proper study of soils be made. This is now being undertaken by our government, but heretofore the matter of road and highway legislation has been haphazard, without definite plan. There should be undertaken at once by the National Government a thoroughly planned system of national highways, and these should be so laid out and constructed as to give the largest possible use of existing railways, highways and waterways. There are approximately in the United States 2,500,000 miles of alleged highways. There are 250,000 miles, substantially, of railways. The cheapest cost of moving a ton a mile on the Great Lakes was nine-tenths of a mill, as demonstrated in the movement of ore by the Albert B. Wolvin. The cheapest form of transportation known was on the Chesapeake & Ohio Railway, where coal tonnage was moved to tidewater for one mill and a tenth per ton per mile. The cost of moving a ton per mile on the different classes of highays in the United States has not yet been accurately determined. We must elaborate some system of determining the cost of making transportation. It is a commodity like boots and shoes, dry goods or flour. When this cost is determined it must be ascertained just what proportion of the tonnage required can most efficiently be moved over the highways, over the waterways and over the railways; and this tonnage, when so determined, must be moved by the least expensive route. The problem is to get the mouth to the food or the food to the mouth.

When we began highway improvement in the United States forty years ago, there were approximately 60 per cent of the people of the United States on the land. Today it is doubtful if on the farms proper there is to exceed 20 per cent of the people. Every strong nation has its roots in the soil. The problem is to put people back on the land and keep them there. Otherwise our form of government will fail. To keep them there we must give them good roads, good telephone service, good rural free delivery and good schools and then find a market where they can raise what they sell at a profit.

The trend toward town life has increased enormously, both here and in other countries. And unless we can make the comforts of home life on the farm at least equal to those in town, we cannot hope to progress as a nation. The farmer will no longer consent to work ten, twelve and fourteen hours a day when the man in town is working eight. With the return of our soldiers from the Great War the fact of their unwillingness to return to the land became evident. In other words, the habits of the farm boy had been lost. Unless we are willing to discover some way to restore labor to the farm, we would be compelled either to import food or to import labor to produce this food. The permanent importation of farm labor has always proven disastrous to any nation that has tried it.

MASTER PAINTERS DENY SACRAMENTO MECHANIC SHORTAGE

The advertisement of the Sacramento Builders' Exchange setting forth that more mechanics are needed in the building industry because of the large amount of work scheduled in that city for this Winter has been followed by a resolution from a committee of the Master Painters' Association deploring the act of inserting the advertisement, because it is said an influx of men will cause much suffering when they are unable to secure work.

The Master Painters' Association is affiliated with the Exchange, and the resolution has been sent to the local Union of Painters and Decorators. The resolution states the Master Painters had nothing to do with the advertisement, cannot understand the motive behind the insertion of it, "and therefore we are taking this matter up with the proper parties to determine why we should suffer this condition to be brought about."

The resolution concludes with the statement there are plenty of painters in Sacramento. It is signed by Clyde S. Simmonds, Chairman, and Joseph Saunders, President.

RAILROAD CONSTRUCTION IN CANADA

The Ontario Government has decided to extend the Temiskoming & Northern Railway northward about 70 miles toward its final terminus at tidewater on James Bay. This extension will involve an expenditure of about $3,500,000, and it is planned to award the work as a single contract which will provide work for the unemployed of this region.

Bids for the construction of this extension will be received by the Temiskoming & Northern Ontario Railway Commission, and the data required for submitting bids is now available.

The above is from a report submitted by Vice Consul J. H. Wetmore, North Bay, Ontario, who will see that the bid requirements are furnished, as soon as prepared, to any responsible contracting firm requesting them. The vice consul at North Bay will also arrange to deliver to the commissioners any and all bids sent in his care.

CHAS. GILMAN HYDE, SANITARY ENGINEER TO ADDRESS AMERICAN SOCIETY OF ENGINEERS

Chas. Gilman Hyde, professor of sanitary engineering, University of California, will address the San Francisco Section of the American Society of Engineers at regular bi-monthly meeting to be held December 20, Engineers' Club, 57 Post street. His topic will be "The New Pumping and Filtration Works of the City of Sacramento."

A brief resume of the history of the development of the existing municipal water supply system, of the investigations which have been made, with respect to an improved supply, and of the chief findings forming the basis upon which the recommendations for the improvements now under way where justified, will be presented.

Some of the experiments and special technical investigations made in connection with the design of the proposed pumping and filtration works will be outlined. The major design and construction features of the works as proposed or actually built and under contract, will be described. The estimated cost of the project is $2,700,000.00. The talk will be illustrated with lantern slides and drawings, and certain special materials and apparatus will be exhibited.

HUGE INCREASE REPORTED IN RESIDENCE CONSTRUCTION

There was a decided increase in the construction of dwelling houses in the United States during the first ten months of 1921, according to information obtained by the Civic Development Department of the Chamber of Commerce of the United States.

Construction figures furnished by forty-four important cities show that during the period from January to October of the present year about $603,000,000 went into new construction, while during all 1920 the total in the same cities was only $8,000,000 more. During the shorter period this year 57.9 per cent of the total was for dwelling houses as against only 36.1 per cent in 1920.

Figures from some of the reporting cities are not brought up to date, as it is not universal practice to make monthly reports, and the indications are that the dwelling percentage will be larger when all figures are in, according to the National Chamber's report.

The estimated cost of all construction reported in the forty-four cities for ten months of 1921 exceeds $722,000,000, of which $349,000,000 is residential, and $254,000,000 non-residential. Alterations repairs and special construction cost $119,000,000. Not only would these totals be increased if all reports were up-to-date, according to the Chamber, but as costs have been reduced, each dollar this year represents an increased volume of construction.

The total estimated cost reported by the same cities for the entire year of 1920 was $798,000,000.

MODESTO'S PAVED STREETS

Modesto has more paved streets in proportion to its population than any other city in the United States, according to D. C. Hartley, paving contractor of that city. "The population of Modesto is in the neighborhood of 14,000, but the mileage of paved streets totals almost fifty miles," said Hartley. "The type of pavement we have found most desirable for the streets of the city is a four-inch concrete base with asphalt-up surfacing to a depth of one and a half inches."

New Experimental Work Begun by the Bureau of Public Roads

The Bureau of Public Roads is preparing to undertake a number of new experiments which should develop information fully as interesting and important as the impact and wear tests which have attracted such wide attention. The new studies include an investigation to determine the cause of wavy road surfaces, a study of the warping of concrete road slabs as a result of temperature changes, an experiment to determine the effect of slab vibration upon the movement of moisture in the subgrade, a study of impact stresses in bridges and other frame structures, and a large scale experiment to test various designs of concrete surface sections.

Causes of Surface Corrugation to be Studied

The study of the cause of wavy road surfaces will be made on a circular track 15 feet wide and 180 feet in diameter, which is being built at the Arlington Farm. The circumference of the circle will be divided into sections, each of which will be surfaced differently with various kinds of tar and asphalt pavement, some of them on concrete bases. The "traffic" to which these sections will be subjected will be supplied by a driverless motor truck, which will be held to the circular path by means of an arm extending from a circular guide rail mounted on concrete posts at the edge of the track. By a simple device the course of the truck will be altered from time to time so that the entire width of the roadway will be traveled over. At this time the subgrade has been prepared, and the construction of the bases and surface courses will follow immediately. It is not likely that the actual experimental work will be begun until next season.

The astonishing vertical movement of concrete slabs has already been observed in connection with other tests. The edges of such slabs have been found to curl up and down, depending upon the relative temperatures of their upper and lower surfaces. When the top surface is warmed the edges move downward; when the top cools the movement is in the opposite direction. The extreme movement observed so far is about one-tenth of an inch. A new slab has now been constructed and special observation of this phenomenon will be made.

To test the accuracy of the common assumption that vibration of road surfaces increases the moisture content of the upper layers of the subgrade soil, two new concrete slabs will be constructed. On one will be mounted a gasoline engine with an unbalanced fly-wheel, the revolution of which will set up vibrations in the slab. The other slab will not be vibrated. The effect of the vibrations will be studied by comparative observations of the moisture content of the soil underlying the two slabs. It is is found that the vibrations do increase the moisture at the top, the gasoline engine will be used to accelerate the tests which are being made to determine the effect of subgrade moisture.

Ingenious Device to Study Bridge Impact Stresses

The study of impact stresses in bridges will be made with a new instrument devised in the bureau and now practically perfected. Attached to any member of the bridge the instrument makes a photographic record of the effect of a moving load. The deformation resulting from the impact is represented by a fine line on the photograph. From the preliminary tests which have been made it appears that the results of the quickest blows are measured by the instrument. It is now being calibrated and will shotly be put into use to obtain experimental data.

Experiments with Various Concrete Road Sections

The experiments on concrete sections will be made on the Columbia road in Arlington County, Va., and the cost of the construction will be shared by the county. Only a part of the road will be used for experimental purposes. Various sections will include surfaces with different kinds of joints, some with longitudinal joints and some without. Some will be built with gravel subbases; others will be built over especially treated subgrades in which the soil will be mixed with cement for a depth of 6 inches, using 1 part of cement to 20 parts of earth. Of special interest will be the various forms of ribbed sections and the various arrangements of different kinds of reinforcing material. The road is now under construction, but it will not be completed until next season. This experiment differs from the other previously described in that the various surfaces will not be subjected to artificial wearing or stressing devices. They will be actual road sections and will be subjected to normal road traffic, the weight and volumn of which will be determined by careful traffic counts.

AMERICAN ARCHITECTURE LEADS

Professor C. H. Reilly, of the School of Architecture, Liverpool University, has just paid a tribute to American architecture which he said was purer and more stable than that of England. "America does not seem to be swept as our country has been by fashions set by individual contemporary architects," he said. "American architecture has been in the last 30 years less self-sufficient and less insular than British."

The American architect deliberately sought his inspiration in the work of the Italians, French and Spanish Renaissance, Professor Reilly said. One had no fear that Fifth Avenue would at any moment be spoiled by a glazed terra cotta building, with grotesque German detail, yet who could say the same of Oxford street or the Strand, or any leading London thoroughfare?

OIL FOR CONCRETE MOULDS AND FORMS

A careful investigation of the properties required in an oil for concrete moulds and centering or forms, showed that a good oil should (i) be free from acid; (ii) be wholly insoluble in water; (iii) have viscosity of about 2.3 and below 3.0, at 20° C. on Engler's scale; (iv) a specific gravity well under 1.00, and (v) a flash point not less than 100° C.; (vi) the oil should be of material origin. These limits exclude tar oil as well as oils of vegetable or animal origin. The limit for viscosity are necessary, because if the oil is too thin it flows away, and does not provide a sufficient coating, whilst if it is too thick, it may be difficult to separate the concrete and the mould or centering.—Zement, Berlin.

. C. BLUMENTHAL & CO. MOVE TO COMMODIOUS QUARTERS, 2nd FLOOR, SUTTER & MONTGOMERY STREETS

Today A. C. Blumenthal & Co., the eal estate firm who have been identified with a great many of the largest ransactions on the Pacific Coast during the last two years, move to their ew quarters on the second floor of the alifornia Pacific Building, at the orthwest corner of Sutter and Montomery Streets. This move is made n the second anniversary of the comencement of their business. The new uarters occupy the entire floor, and re a fine example of a modern Real Estate office.

This firm have also just moved to heir new office in the Loew State Building in Los Angeles and the firm s now completely organized to do usiness in both cities.

Mr. C. A. Blumenthal states that he xpects to immediately increase his organization in San Francisco, so as to enlarge his leasing and sale operations, which up to this time he could not do on account of the inability to obtain proper quarters.

The firm is now engaged in erecting a large apartment house at Sacramento and Powell Streets, to cost one-half million dollars and one about the same style on Wilshire Blvd at Los Angeles. They are also leasing and operating the Junior Orpheum and Loew's Warfield Buildings, San Francisco, and the Loew State Bldg., Los Angeles.

GEORGE ROOS RESIDENCE RESOLD. MAGNIFICENT RESIDENCE ON JACKSON ST. GOES TO NEW OWNERS.

A. C. Blumenthal & Co., announce the sale of the former residence of George Roos, which was recently purchased by H. F. Adler, 3680 Jackson Street, to Mrs. George W. Forderer. This is one of the most beautiful residences in the city, and cost in the neighborhood of $100,000.

They have also sold for the account of a client of the office, a residence at 90 West Clay Park, being at the corner of West Clay Street and 24th Avenue. This residence will immediately be placed on the market for selling.

Wm. J. Forster Company Enters Local Plumbing Field

Organization of the William J. Forster Company is announced. The firm will engage in the plumbing business and is equipped to handle anything from a minor job to a million-dollar contract. Offices and shops are maintained at 670 Howard street under the capable management of William J. Forster.

Forster is not a newcomer in the plumbing business in this section. Twenty-six years with the Frederick W. Snook Company of San Francisco, fifteen years of which he held the position as estimator for the concern, guarantees the new firm a successful career.

ELECTRIC LOCOMOTIVE HIGHLY EFFICIENT

The flexibility of the electric locomotive is much greater than that of the steam locomotive, as stated in a report issued by the United States Geological Survey as the result of a survey covering the industrial region between Washington and Boston, called the "superpower zone." Its capacity is determined by heating and therefore by the average work it has to do, and not by the maximum grade, which is taken care of by the overload capacity of the engine. With electric traction the maximum grade for the profiles is practically eliminated as the determining factor in locomotive equipment within the superpower zone. Everyone is of course familiar with the fact that while a giant steam engine is laboring and groaning up a 2 per cent grade, the electric trolley car on an adjoining track is cheerily humming along as on the wings of the morning.

The availabiliay of the electric locomotive for service, it is also stated, is at least twice as great as that of the steam locomotive. After a trip it can be thoroughly inspected in less than an hour, whereas the thorough inspection of a heavy steam locomotive consumes 4 to 10 hours. It requires no water, fuel stations, ashpits, or turntables. The repair-shop capacity required is less than a third of that needed for steam locomotives. The expense of track maintenance is reduced, and the ballast is cleaner. The engine-house expense is reduced nearly to a negligible amount. In the electric locomotive energy can be regenerated where the profile permits it, thus saving some energy and much wear of brake shoes, bettering the handling of trains, and consequently saving expense in freight-car maintenance.

As a result of these and other advantages, the electric locomotive should, under favorable conditions, handle twice as many ton-mile as the steam locomotive per locomotive-year. As a matter of fact, on the Norfolk & Western Railway it actually handles three times as many ton-mile. This is not possible under all conditions, but it is possible where the traffic is great and the tracks, yards, and terminals are congested, as they are in the superpower zone. (From "A Superpower System for the Region Between Boston and Washington," U. S. Geological Survey Professional Paper 123.)

Abusing State Highways with Excessive Loads and Fees

In a recent letter to a member of the California Highway Commission, Thomas H. MacDonald, Chief of the Federal Bureau of Public Roads, says "Experience has demonstrated that no road, coming within the limits of present economic possibilities, is capable of carrying, without undue damage, the largest trucks now manufactured, when fully loaded to capacity."

Californians should take not of the warning in this keen observation, because recently California state highways have been criticized as inadequately constructed because they were not built to sustain the enormous loads now placed upon them.

It is common knowledge that permissable weights on state highways in California are much too high. The limit was fixed while trucking was negligible and the limit was made high to take care of the occasional transportation of agricultural tractors, presenting plane surfaces to the pavement. Only three states in the Union, Kentucky, New Jersey and West Virginia permit as great weights as California.

Realizing this fact, the California Highway Commission and the County Supervisors sought to secure a reduction of the present 30,000-pound limit from the last legislature, but this measure was defeated in the collapse of all motor vehicle legislation at the last session. The result is that a small percentage of heavy duty trucks and overloaded light trucks are doing a damage to state and county highways that present maintenance funds are inadequate to repair. Many Supervisors are protecting their county systems by enacting ordinances restricting to reasonable limits the loads to be transported over county highways and bridges. Recently San Bernardino, Orange and Riverside Counties in Southern California passed a uniform ordinance, reducing gross weight limits of vehicle and load to 22,000 pounds. This takes care of a five-ton truck, but effectively eliminates the six and seven-and-a-half-ton truck.

Not only are the highways forced at present to sustain enormous weights, but excessive speeds. Recently a Los Angeles newspaper carried an illustration of a 3½-ton truck equipped with a semi-trailer and loaded with eight tons of machinery. The gross weight of vehicle and load was 31,500 pounds and it was transported from Los Angeles to San Francisco in three days by the Hodge Transportation Company. The leg of the trip showed that the truck passed through the level stretches of Kern, Tulare, Fresno, Madera, Merced and Stanislaus counties at an average speed of about 12 miles an hour, while the state law limit is ten miles per hour for loads weighing over 24,000 pounds. The company states that the governor on the truck was set at 16 miles and it is probable that many miles were negotiated at this speed in order to average twelve miles through the entire valley.

Unquestionably this truck did many hundreds of dollars damage to the State Highway, for which privilege it pays an annual state motor vehicle license of $24.80, an amount which the company could probably readily have paid for the privilege of transporting this one excessive load of freight.

PRECISION TESTS OF LARGE CAPACITY SCALES

The accuracy that can be obtained from large weighing scales is not generally known among engineers and others concerned in the subject. Technologic Paper No. 199 of the United States Bureau of Standards outlines scientific and systematic procedure for the accurate testing of large-capacity compound-lever scales by a method which has been developed and used by this bureau in connection with its work in testing railroad master scales and grain hopper scales. The plan can be adapted to the test of almost any compound-lever scale. The price of this paper is 5 cents and it may be obtained from the Superintendent of documents, Washington, D. C. The apparatus used in the work is described, and the method of testing is explained. In the interest of a uniform and efficient method of scale testing, the scheme outlined is recommended to those who have occasion to carry out such work on large scales where accuracy of a high order is required.

More than 42 per cent of the surfaced roads in the United States are gravel.

Building News Section

APARTMENT HOUSES

To Be Done By Day's Work.
APARTMENTS Cost, $25,000
SAN FRANCISCO. SE 12th and Lake. Street.
Three-story and basement frame; 9 apartments.
Owner—C. & S. Hoffman, 1541 Howard Street.
Architect—C. O. Clausen, Hearst Bldg.

Contract Awarded.
APARTMENTS Cost, $40,000
SAN FRANCISCO. NW Hayes and Franklin Sts.
Three-story and basement frame (24) apartments.
Owner—O'Brien & Kiernan, Room 912, 110 Sutter St.
Architect—Albert W. Burgren, 110 Sutter St.
Contractor—Kiernan & O'Brien, 180 Jessie St.

Contract Awarded.
APARTMENTS Cost, $19,800
OAKLAND. E Lakeshore Ave. 450 N. E-14th St.
Three-story frame 24-room apartments.
Owner—Co. Investment Co., 306 14th St., Oakland.
Plans by Owner.
Contractor—Roger Coit, 306 14th St., Oakland.

Contract to be Awarded.
APARTMENTS Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Two-story frame apartment house (4 apts.)
Owner—Mrs. F. Moody.
Architects—Binder & Curtis, 255½ S-First St., San Jose.
Contractor—Paul Jorgensen, 34 Little Delmas St., San Jose.

Plans Completed.
APT. HOUSE Cost, $20,000
SAN FRANCISCO. N. Grove 120 W. Central Ave.
Two-story and basement frame and plaster apartment house (six 2, 3 and 4-room apts.; garage in basement).
Owner—Name withheld.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.

Contract Awarded.
STORE & APT. BLDG. Cost, $15,900
BURLINGAME, San Mateo Co., Cal. Burlingame Ave.
Two-story reinforced concrete store and apt. bldg. (2 apts. of 2 rooms).
Owner—Harry Miller.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—Larsen & Siegrist, Claus Spreckels Bldg., San Francisco.

Plans Being Figured.
APT. HOUSE, ETC. Cost, $20,000
BURLINGAME, San Mateo Co. Burlingame Ave.
Two-story and basement frame and plaster apartment house (six 3-room apts.) and separate garage.
Owner—Harry L. Miller.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
SPECIFICATIONS
Exterior Finish, cement plaster; Interior Finish, hardwood; Plumbing, hot water heater; wall beds.

Contract Awarded.
APT. HOUSE Cost, $20,000
SAN FRANCISCO. SW California and Jordan Ave.
Three-story frame (six 4-room) apts. (All work except plumbing and heating.)
Owner—E. V. Lacey, 3485 21st St.
Architect—C. O. Clausen, Hearst Bldg.
Contractor—O. E. Carlson, 180 Jessie Street.

Contracts Awarded—Sub-Figures Being Taken.
APARTMENTS Cost, $75,000
SAN FRANCISCO N E Geary and Leavenworth Streets.
Four-story and basement brick (31) apartments.
Owner—Joseph Cahen, Jas. Oppenheimer and J. A. Cooney.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Foundations to Chas. Sartorio, 2151 Filbert St., San Francisco.
Steel to Central Iron Works, 2050 Bryant St., San Francisco.
Brick work to H. H. Larsen, 251 Kearny St., San Francisco.
Plumbing to Alex Coleman, 706 Ellis St., San Francisco.

Sub-Figures Being Taken.
APT. HOUSE Cost, $17,000
SAN FRANCISCO. 24th Ave. and California St.
Two-story and basement frame and brick veneer apt. house (four 4-room apts.).
Owner—C. O. Clausen.
Architect—C. O. Clausen, Hearst Bldg.

To Be Done by Day's Work.
APARTMENTS Cost, $30,000
SAN FRANCISCO, NE Hayes and Central Ave.
Three-story and basement frame building (2 stores and 8 apts.)
Owner—Carl H. Peterson, 216 Sharon Bldg.
Architect—Not given.

To Be Done by Day's Work.
APARTMENTS Cost, $10,000
SAN FRANCISCO, W Clayton, 85 S Parnassus.
Two-story and basement frame (5) apartments.
Owner—Yates & Cooke, 124a Parnassus Ave.
Architect—R. S. McNally, 26 Woodland Ave.
Contractor—Not given.

BANKS

Plans Being Prepared.
BANK BLDG. Cost, $[illegible]
SAN FRANCISCO. SW North Ave. and Clement Street.
One-story reinforced concrete and brick bank building.
Owner—Bank of Italy.
Architect—W. D. Shea, Chronicle Bldg., San Francisco.

Plans Being Prepared.
BANK BLDG. Cost, $40,000
SAN FRANCISCO. SW Eighth Ave. and Irving St.
One-story reinforced concrete and brick bank building.
Owner—Bank of Italy.
Architect—W. D. Shea, Chronicle Bldg., San Francisco.

Contract Awarded.
BANK Cost, $34,000
OAKLAND, Alameda Co., Cal. NE 49th St. and Telegraph Ave.
One-story brick bank (branch).
Owner—Central National Bank, 14th & Broadway, Oakland.
Architect—Wm. Knowles, Central Bk. Bldg., Oakland.
Contractor — E. T. Leiter & Son, 3601 West St., Oakland.

Contract Awarded on a Percentage Basis.
BANK & OFFICE BLDG. Cost, $——
LOS ANGELES, Cal. NW Seventh and Olive Streets.
Twelve-story Class A bank and office building.
Owner—Bank of Italy.
Architects—Morgan, Walls & Morgan.
Contractor — Lange & Bergstrom, Washington Bldg., Los Angeles.
1124 Van Nuys Bldg., Los Angeles.
Work will be started early in January and will be completed in January, 1923.

BONDS

RENO, Nevada.—December 23 is date set in Reno School District No. 10 to decide question of issuing and selling bonds of $200,000 to purchase a site, erect and equip a new junior high school.

MARYSVILLE, Yuba Co., Cal.—City Council sets January 16 as date to decide question of issuing bonds of $50,000 for improvements to Ellis Lake. W. M. Meek, City Engineer.

MARYSVILLE, Yuba Co., Cal.—The question of issuing bonds of $80,000 for paving street intersections will be voted on January 16. W. M. Meek, City Engineer.

OROVILLE, Butte Co., Cal.—Dec. 31 is date set in Drainage District No. 200 of Butte County to vote bonds of $120,000 to finance construction of conduits, drains, sluices, water gates, embankments, etc., in the district. Directors are: G. A. Lattemore, Cornelius Sullivan and Charles O. Bloom.

SAN RAFAEL, Marin Co., Cal.—Until December 20, bids will be received by Marin Municipal Water District for the purchase of $100,000 worth of district bonds to finance improvements. E. R. Prentice is Secretary of the District.

YUMA, Ariz.—Yuma County Highway bonds to amount of $265,000 have been sold and proceeds with state and Federal aid will be used for constructing Yuma-Tucson highway.

PHOENIX, Ariz. — The $4,500,000 highway bond issue of Maricopa County has been sold to the Bankers' Trust Co. of Denver, representing a syndicate at a premium of $300,150, interest to be at 6%.

MERCED, Merced Co., Cal.—Until Jan. 4 bids will be received by Merced Irrigation District for purchase of $3,120,000 worth of bonds to finance construction of improvements in the district.

BURLINGAME, San Mateo Co., Cal.—Bonds of $60,000 have been voted, $30,000 to purchase ten acres of the Carolan tract and $30,000 to improve.

EUREKA, Humboldt Co., Cal.—Supervisors order bids received for purchase of $10,000 bond issue of Rio Dell School District; proceeds of sale will finance school improvements.

UKIAH, Mendocino Co., Cal.—Until Jan. 16, 4 p. m., bids will be received by County Supervisors for purchase of $80,000 bond issue of Fort Bragg School District; proceeds of sale to finance construction of a new school building, plans for which are being prepared by Architect Norman R. Coulter, 46 Kearny St., San Francisco.

OAKDALE, Stanislaus Co., Cal.—January 7 election will be held to vote bonds of $80,000 to finance construction of an addition to Oakdale Union High School. Plans for the proposed addition have been prepared by Architect W. H. Weeks, 369 Pine St., S. P.

LAKEPORT, Lake Co., Cal.—Supervisors sell $60,000 bond issue of Lakeport Union School District for premium of $1,000 and $20,000 issue of Kelseyville Union School District for premium of $60. Lakeport sale will finance purchase of a site and erection of new school. Kelseyville issue will provide funds for addition to present school. Norman R. Coulter, 46 Kearny St., San Francisco, is the architect for the Kelseyville School.

BANNING, Riverside Co., Cal.—A bond issue of $20,000 for constructing a municipal water system will be submitted soon.

ALAMEDA, Alameda Co., Cal.—Mrs. Sidney Haslett, president of the newly organized Parent-Teachers' Assn. of the Alameda High School, urges the construction of a million-dollar high school in this city.

SAN JUAN, San Benito Co., Cal.—Formation of a union high school district comprising the Olympia, Anzar, Aromitas, Gabilan and San Juan districts, is contemplated. Should the district be organized, bonds will be voted to finance construction of a modern high school.

SACRAMENTO, Cal.—Bank of Italy purchases $172,000 worth of Sacramento School District bonds, proceeds of sale to finance erection of Highland Park school, contract for which has been awarded to Robt. Trost of San Francisco.

VISALIA, Tulare Co., Cal.—Due to irregularities the county supervisors have postponed from Dec. 19 to Jan. 9 as the date to vote bonds of $44,500 in the Sultana School District and from Dec. 27 to Jan. 16 for a $36,000 issue in the Waukena School District; proceeds of the sale in each instance will finance construction of school improvements.

CHURCHES

Preliminary Plans Being Prepared
CHURCH Cost, $75,000
LONG BEACH, Los Angeles Co., Cal.
Mira Mar Ave. and Eliot St.
Church.
Owner—Belmont M. E. Church.
Architects—John Parkinson & Donald B. Parkinson, 420 Title Insurance Bldg., Los Angeles.

Figures To Be Taken In About Month.
BUILDING Cost, ——
SAN FRANCISCO, Chinatown.
Two-story reinforced concrete church and lodge building.
Owner—Chinese Missionary Society.
Architect—W. R. Yelland, Perry Bldg., Oakland.

Contracts Awarded.
CHURCH Cost, $——
OAKLAND. Lakeshore Blvd. near E-14th St.
Two-story reinforced concrete church.
Owner — Fourth Church of Christ, Scientist.
Architect — Carl Werner, Humboldt Bank Bldg., San Francisco.
Concrete and Carpentry Work, Mission Concrete Co., Call Bldg., San Francisco, $18,058.
Plastering, H. J. Hillam, 180 Jessie St., San Francisco, $3,832.
Heating, Ideal Heating & Engineering Co., 1756 Mission St., San Francisco, $2,808.
Electrical Work, Kimball Electric Co., 526 13th St., Oakland, $886.
Plumbing, Wade & Miller 3355 17th St., San Francisco, $1,646.
Painting, C. E. Gordon, 180 Jessie St., San Francisco, $1,281.
Rolling Partitions, Chas. Christensen, 77 O'Farrell St., San Francisco, $1,208.

FACTORIES & WAREHOUSES

Contract Awarded for Steel Rolling Doors
SAN FRANCISCO—The Board of State Harbor Commissioners has awarded a contract to Waterhouse-Wilcox Co., 523 Market St., at $6,973 for furnishing and installing steel rolling or steel lift doors in Bulkhead Building, Pier 5, on the waterfront of San Francisco.

Plans Being Prepared.
WHOLESALE BLDG. Cost, $——
SAN FRANCISCO. SE Fremont and Mission Streets.
Eight-story Class A wholesale building.
Owner—Walton N. Moore & Co. (Dry Goods Dealers,)
Architect—George Wm. Kelham, Sharon Bldg., San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.

Contract Awarded On a Percentage Basis.
STORE & LOFT BLDG. Cost, $——
LOS ANGELES. 7th St. bet. Olive St. and Grand Ave.
Four-story and basement Class "A" store and loft building (designed for 10-story structure).
Owner—Brock & Co.
Architect—Dodd & Richards, Brack-Shops Bldg., Los Angeles.
Contractor — Scofield Engineering & Constr. Co., Pacific Finance Bldg., Los Angeles.

Contracts To Be Awarded Shortly.
FACTORY Cost, $——
OAKLAND, Cal., NW Eleventh and Jackson Sts.
Two-story reinforced concrete factory.
Owner—Fuller & Goepp, 998 Monadnock Bldg., S. F.
Architect—Not given.

Preliminary Plans Being Prepared.
CANNERY BUILDINGS
Cost, $100,000 or more
OAKLAND. E 11th and 29th Ave.
Brick or concrete cannery buildings.
Owner—H. G. Prince Co., Premises.
Architect—M. I. Diggs, Easton Bldg., Oakland.

Contract Awarded.
ADDITION Cost, $12,000
SAN FRANCISCO. N Sixteenth St., 50 W Church.
Two-story brick addition for warehouse.
Owner—R. E. Queen.
Architect—D. E. Graham, 180 Jessie St.
Contractor—D. E. Graham, 180 Jessie

Contract To Be Signed Shortly.
SMOKE HOUSE BLDG. Cost, $20,000
SAN FRANCISCO. Pacific Street.
One-story class C smoke house building.
Owner—Western California Fish Co.
Architect—O'Brien Bros., 240 Montgomery Street.
Low Bidders—Vukicevich & Bagge, 180 Jessie Street.

Contract Awarded.
DISTRIBUTING DEPOT
Cost, $30,000 approximately.
CHICO, Butte Co., Cal. Ranch near Chico.
Distributing depot (large offices, wagon house, steel tanks, etc.)
Owner—Shell Oil Co.
Architect—Eng. Department of Owner.
Contractor—F. I. Peacock, Dixon, Cal.
Work will be in charge of the resident engineer.

VALLEJO, Solano Co., Cal.—The Vallejo Van and Drayage Co. has purchased three lots in Maryland St. and will erect a one-story warehouse. Herman P. Hatfield is manager of the company and announces a contract will be let shortly.

FLATS

To Be Done By Day's Work.
FLATS Cost, $10,000
SAN FRANCISCO. NE Clement and 20th Ave.
Two-story and basement frame (4) flats.
Owner—Strand & Strand, 614 Broderick St.
Architect—C. O. Clausen, Hearst Bldg.

Plans Completed.
FLATS Cost, $12,000
SAN FRANCISCO. S Clement 82-6 W 21st Ave.
Two-story and basement frame (4) flats.
Owner—Harriet Berger, 261 Valencia Street.
Architect—G. A. Berger, 261 Valencia Street.

Segregated Figures Being Taken.
APT. FLATS Cost, $15,000
SAN FRANCISCO. S Duboce Ave. W Valencia St.
Two-story frame apt. flats (two 4-room and two 5-room flats).
Owner—A. J. Cline.
Architect—Walter Falch, Hearst Bldg.

Contract Awarded.
APT. FLATS Cost, $10,200
SAN FRANCISCO. W Twenty-ninth Ave. 200 N Clement.
Two-story and basement from (4) apartment flats.
Owner—Mrs. Ella T. Valensia, 701 Taylor St., San Francisco.
Architect & Contractor—Hans Adler, 1908 Webster St., San Francisco.

Contract Awarded.
FLAME FLATS Cost, $13,670
SAN FRANCISCO. E Ashbury 125 S Fulton Street.
Two-story and basement frame flat building.
Owner—Morton T. and Pauline Kresteller.
Architect & Contractor—A. M. Hardy, 6217 California St., San Francisco.

GARAGES

Plans Being Prepared.
AUTO STAGE DEPOT Cost, $20,000
SAN JOSE, Santa Clara Co., Cal. Location Not Selected.
One-story frame and plaster auto stage depot.
Owner—Peninsula Rapid Transit Co., J. P. Duffie, Manager, 200 San Mateo Ave., Beurlingame.
Architect—Owner.
Construction will be started in about three weeks.

Contract Awarded.
GARAGE Cost, $18,500
OAKLAND, Alameda Co. E. Harrison St. 650 N. 14th St.
One-story concrete and tile garage.
Owner—Alliance Land Co.
Architect—Not given.
Contractor—W. C. Marshall, Bacon Bldg., Oakland.

Plans Being Prepared—Contract Let.
GARAGE Cost, $10,000
RED BLUFF, Tehama Co., Cal. Pine and Washington Sts.
One-story concrete or brick garage, 60x200 ft., with mezzanine floor.
Owner—J. R. Freeman, Oakland, Cal.
Designer and Contractor—F. H. Horn, Red Bluff, Cal.

Contract Awarded.
GARAGE Cost, $115,450
LOS ANGELES, Cal. Ninth and San Pedro Streets.
One-story brick garage, 250x250.
Owner—California Telephone Co.
Architect—E. V. Cobby, 333 Grant Ave., San Francisco.
Contractor—Weymouth Crowell, 902 S. Alvarado St., Los Angeles.

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO.—New hangars for the planes of the United State air mail service are to be constructed at once on Crissy field in the Presidio. The hangars are to be fire proof and will be equipped for the sheltering of a large fleet of aero mail planes.

PALO ALTO, Santa Clara Co., Cal.—Ground is expected to be broken very shortly for the building of a $1,400,000 permanent group of buildings for the care of neuro-psychiatric patients at the site of the United States Public Health Service Hospital here, it was announced on December 8th by Dr. J. M. Wheate, medical officer in charge, following an announcement from Washington that Secretary Mellon of the Treasury Department had approved the appropriation of that amount for this purpose.

The buildings for the neuro-Psychiatric cases are to have capacity for 550 beds. These together with the beds for tuberculosis patients, will swell the capacity of the institution to 1000. Permanent buildings for the tuberculosis patients are expected to be built later, when special appropriations for that purpose may be made by the Treasury Department.

The new buildings will be two or more stories in height, and will be semi-fireproof, the construction being of either brick or concrete.

Whether or not the building will be done by contract or by day labor under Government supervision, is a point on which Dr. Wheate had received no information, although his own preference is for the contract plan.

Plans for the buildings were prepared in the office of the supervising architect in Washington, representatives of which were at the Palo Alto institution in the fore part of November.

The following bids were received on December 7 at the Bureau of Yards and Docks, Navy Department, Washington, for 1-story storehouse at the naval operating base, Pearl Harbor, H. T., specification 4504:

Item 1, work complete; 2, add or deduct from item 1 if reinforced concrete roof decks and plastered suspended ceilings are installed complete in accordance with "alternative a" in lieu of reinforced gypsum tile roof decks; 3, add or deduct for each cu. yd. plain concrete added or subtracted; 4, deduct per typical interior bay south of dividing fire wall from item 1; 5, do. from items 1 and 2; 6, deduct for steel rolling doors under items 1 and 2; 1, deduct for omission of roof ventilators in connection with omission of bays; 8, deduct for omission of septic tank and sewage piping under items 1 and 2.

W. F. Martins, 53 Franklin St., Rochester, N. Y., 1x, $249,964, 280 days; 2x, $244,984, 270 days; 3x, $253,814, 280 days; 4x, $251,164, 280 days; 5x, add $22 and deduct $17; 6x, deduct $10,180 (3 days), $21,240 (5 days), $21,240 (5 days) and $10,180 (3 days); 7x, deduct $6,685 (2 days), $7,185 (2 days), $7,185 (2 days) and $6,685 (2 days; 8x, deduct $310; 9x, deduct $135; 10x, deduct $1,460, 5 days.

John Walker, 1196 S. King St., Honolulu: item 1x, $314,281, 240 days; 2x, $304,922; 3x, $326,599; 4x, $322,406; 5x, $25; 6x, deduct $8,000 $17,861, $17,861 and $8,000; 7x, deduct $10,686, $10,367, $11,105 and $10,927; 8x, $360, $540 and $648; 9x, $50; 10x $1,682.

Associated Contractors, 156 E. 59th St., New York city, item 1x, $286,109, 240 days; 2x, $296,609; 3x, $296,909; 4x, $287,609; 5x, add $18 and deduct $12; 6x, deduct $7,000, $16,000, $16,000 and $7,000; 7x, deduct $8,500, $8,900, $8,900 and $8,500; 8x, deduct $360; 9x deduct $65; 10x, deduct $1,100.

Hawaiian Contracting Co., 854 Khumana St., Honolulu, as per items on original specification; item 2, $250,000, 240 days; 3, $20; 5, $15,000, 5 days; 6, $200; 7, $25; 8, $500. Telegraphic modifications item 2, add $32,205; 3, add $2.50; 5, deduct $6,223; 6, add $178; 7, add $61; 8, add $396.

Ralph E. Wooley, 305 James Campbell Bldg., Honolulu, T. H., item 1x, $310,905.54, 240 days; 2x, $308,817.66, do.; 3x, $317,292.66, do.; 4x, $315,875.89, do.; 5x, $22; 6x, deduct $7992.25 (5 days), $13,945.27 (do), $13,308.02 (do.) and $7,042.65 (do.); 7x, deduct $7,493.38 (do.), $7,251.05 (do.), $7,568.69 (do.) and $7,543.64 (do.); 8x, $435; 9x, $50; 10x, $1,367.16, 3 days. Telegraphic modifications, item 1x, deduct $17,300; 2x, deduct $17,400; 3x, deduct $16,700; 4x, $17,500; 6x, add $600, $4,000, $4,800 and $1,500; 7x, deduct $200 add $300 deduct $200 and $200.

V. J. Burgess, Fort and Queen Sts., Honolulu, T. H., item 1x, $336,759, 240 days; 2x, $336,759; 3x, $336,759; 4x $316,459; 5x, $25; 6x, $8,796, 30 days; 7x, $8,738, 10 days; 8x, $385; 9x $52; 10x, $805, 6 days. Telegraphic modifications, item 1x, add $3,940; 2x, add $8,390; 3x, add $8,590; 4x, add $9,395.

J. L. Young Engineering Co., Campbell Bldg., Honolulu, T. H., item 1x, $268,572, 240 days; 2x, $252,942, do.; 3x, $274,937, do.; 4x, $269,850, do.; 5x, $14; 6x, deduct, $8,263, $19,622, $19,328 and $11,357; 7x, deduct $7,352, $6,769, $7,522 and $7,393; 8x, $350; 9x, $55; 10x, $1,622. Telegraphic modifications 1x to 4x, add $8,000 ea.; 6x, deduct $2,000 ea.; 7x, deduct 1st, 3d and 4th items only, $2,000 ea.; 8x, add $1,500.

WASHINGTON, D. C.—W. C. Merritt Co., 727 7th St., San Diego, at $3967 awarded contract by Bureau of Yards and Docks, Navy Department, for fur. and install. drinking fountains and ice coolers at San Diego naval base, Specification No. 4551, time for completion, 60 days.

WASHINGTON, D. C.—The Supervising Architect has accepted the bid of the American Sterilizer Co., Erie, Pa., $4,392 in amount, for installing sterilizing equipment in the U. S. Public Health Service Hospital at Walla Walla, Wash., work to be completed within 35 days.

GAS, WATER, SEWER AND UNDERGROUND ELECTRIC SYSTEMS—Office of the Chief of Bureau of Yards and Docks, Navy Department, Washington. Bids are wanted until December 28, specification 4559, for gas, water, sewer and underground electric systems at the naval hospital, San Diego, Calif. For information address above.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 9153, various eastern and western yards, a miscellaneous quantity of calcium carbide, Dec. 27.

Schedule 9169, for Mare Island, 10,000 pounds drop black, in oil, in 50-pound cans, Jan. 3.

Schedule 9172, Mare Island, a miscellaneous quantity of white ash, January 3.

Schedule 9173, Mare Island, 15,000 pounds kapok fibre, Jan. 3.

Schedule 9174, Puget Sound, a miscellaneous quantity of voice tubing, Jan. 3.

Schedule 9188, various eastern and western yards, a miscellaneous quantity of pipe fittings, Jan. 3.

Schedule 9189, various eastern and western yards, a miscellaneous quantity of furniture, Jan. 3.

Schedule 9190, various eastern and western yards, a miscellaneous quantity of carpets and rugs, Jan. 3.

Schedule 9191, various eastern and western yards, a miscellaneous quantity of tires and tubes, Jan. 3.

Schedule 9192, various eastern and western yards, a miscellaneous quantity of solid tires, Jan. 3.

Schedule 9198, Mare Island, 220 crucibles, without covers, Jan. 3.

Schedule 9211, Puget Sound, 135 grease cups, Jan. 3.

WASHINGTON, D. C.—The following bids were received at Walla Walla, Wash., for installing mechanical equipment in U. S. public health service hospital at Walla Walla:

Bergh-Griggs Co., Tacoma, Wash., $121,375.

Sutherland Co., Walla Walla, Wash., $136,076.

Eckhart Plumbing & Heating Co., Seattle, Wash., $139,889.

Finnegan & Williams, Portland, Oreg., $157,945.

WASHINGTON, D. C.—The contract for installing mechanical equipment in 2 semi-ambulant quarters, 2 double quarters of officers, one double quarters for firstclass personnel, one quarters for married attendants, also kitchen equipment and refrigerating apparatus for ambulant patients, mess, etc., refrigerating apparatus for gen-

eral mess, laundry equipment, new boiler, outside service, etc., at the U. S. P. H. S. H., Whipple Barracks, Ariz., has been awarded to Wm. Wilby, Selma, Ala., at $91,620, time 7 months. (40420) 1st report Oct. 26; 3rd Nov. 29.

SAN FRANCISCO—Until Dec. 30, 11 a. m., bids will be received by U. S. Engineer's Office, 240 Montgomery St., under Order No. 3385, for fur. and del. f. o. b. wharf, Rio Vista, Solano county: One worm and shaft for 1½-ton Chisholm & Moore Standard screw chain hoist; 1 worm wheel for 1-ton Chisholm & Moore Standard screw chain hoist; 1 hand wheel (30 links chain in circle) for 1½-ton Chisholm & Moore Standard screw chain hoist; 1 cylinder only for 3 h.p. single cylinder Novo gas engine No. 46127; 12 sets cutters for Huntington pattern emery wheel dressers (no handle or head needed); 1 steel sleeve inside taper No. 3 and one No. 4 for Morse taper shank drills No. 034; 1 solid hexagon ⅝-in. bolt die; 1 screw plate assortment No. 30, including stock, 52 in. long, adjustable tap wrench No. 8, taper taps, dies, collets 4½-in. diameter.

WASHINGTON, D. C.—Until Dec. 29, 10:30 a. m., bids will be received by Panama Canal Commission, under Circular No. 1463, for furnishing and delivering Balboa, Pacific port, soft steel, steep cable, fire alarm switchboard, galley range, odometers, fire hose, belt-conveyor brushes, scrub brushes, cuspidor tops, lead-and-cord seals, oak lumber, etc. Further information regarding this circular may be had from the Assistant Purchasing Agent, Fort Mason, San Francisco.

SAN FRANCISCO, Cal.—Until Dec. 29, 11 a. m., bids will be received by U. S. Engineer's Office, 240 Montgomery St., under Order No. 3387, for fur. and del. f. o. b. regular wharf, Rio Vista, Solano county: 4 pcs. 2x2x5-16-in. angle iron, 27-ft. 3-in. lg.; 8 sq. ft. sheet brass, 1-16-in. thick; 2 flat iron bars, 2½x⅜-in.; cold roller steel bars, as follows: 2 bars, 2½-in. dia., 15 ft.; one 1-in. dia., 15-ft. lg., and one ¾-in. dia., 15-ft. lg.; one round brass shafting, 1½-in. dia., 10 ft. long, and and one round brass shafting 1-in. dia., 15 ft. long.

WASHINGTON, D. C.—The following bids were received at the Bureau of Yards and Docks, Navy Department, specification 4545, for steel shelving, counters, bins, and wire partitions for quartermaster storehouse at the Marine Corps base, San Diego, Calif.:

Federal Steel Fixture Co., Park Row Bldg., New York City, $8,751.70, 60 days.

David Lupton's Sons Co., Tulip St. and Allegheny Ave., Philadelphia, shelving, $10,990; partitions, $1,390; total, $12,380; 55 days.

Van Dorn Iron Works Co., 2685 E. 79th St., Cleveland, $12,838.25, 90 days.

General Fireproofing Co., 722 Woodward Bldg., Washington, $12,443, shpt 60 days.

Lyon Metallic Mfg. Co., Aurora, Ill., $10,346.01, 55 days.

Art Metal Construction Co., Southern Bldg., Washington, $13,679.20, 143 days.

SAN DIEGO, Cal.—The following bids were received on November 23 at the naval station, under specification 4547, for painting buildings and water tank:

John S. Tate, San Diego, Calif., $1,725, 30 days.

Great Western Building Co., San Diego, Calif., $1,740, 30 days.

Richard E. Seal, San Diego, Calif., $1,792.

J. P. Sullivan, Chicago, $1,940, 30 days.

Alhambra Wall Paper & Paint Co., Alhambra, Calif., $1,998, 20 days.

May Painting Co., San Diego, Calif., $2,509, 30 days.

Ashley & Co., San Diego, Calif., $2,619, 30 days.

Fairfax Bros., Genoa, N. Y., $2,500, 30 days.

STREET LIGHTING AND FIRE ALARM SYSTEM—Bureau of Yards and Docks Navy Department, Washington.—Bids are wanted [illegible] 4, specification 4526, for street lighting and fire alarm system at San Diego, Calif. Deposit for plans, $10. For information address above.

HALLS AND SOCIETY BUILDINGS

Commissioned to Prepare Plans.
MASONIC TEMPLE Cost, $——
LOS ANGELES, Cal. First and Chicago Streets (Corner).
Two-story brick Masonic Temple building, 116x140.
Owner—Hollenbeck Masonic Lodge.
Architects—Arthur W. Angel and John C. Smith, Associated, 325 H. W. Hellman Bldg., Los Angeles.

Plans Approved.
CLUB HOUSE Cost, ——
MODESTO, Stanislaus Co., Cal.
Bungalow club house.
Owner—Stanislaus Country Club, R. B. MacBride, President, Modesto, Cal.
Architect—James H. Hoose, Ramona Bldg., Modesto, Cal.

VALLEJO, Solano Co., Cal.—San Pablo Lodge, No. 43, I. O. O. F., is planning enlargement of the lodge building at Marin and Georgia streets. According to preliminary plans submitted, it is proposed to add another story and reconstruct the portion occupied by the First National Bank on the ground floor. Means of financing the work are being worked out.

GRASS VALLEY, Nevada Co., Cal.—Erection of a community club building is proposed by citizens. A structure costing $12,500 containing an athletic hall, shower baths, plunge, billiard rooms, etc., is contemplated. Another plan is to erect a building for athletic events to cost $2,500.

HEALDSBURG, Sonoma Co., Cal.—American Legion, Sotoyome Post, is planning the erection of $15,000 club house. It is proposed to erect the structure in fifteen units.

HOSPITALS

Plans Completed.
REMODELING Cost, $——
FRESNO, Fresno Co., Cal.
Remodeling alms house for Nurses' Home and Training School.
Owner—County of Fresno.
Architect—Glass and Butner; Cory Bldg., Fresno, Cal.
Plans are awaiting approval of State Board of Charities.

LOS ANGELES, Cal.—Howe Bros. were low bidders at $39,473 for installing plumbing, heating and vacuum cleaning system in new communicable diseases building at the Los Angeles County Hospital. Other bids were: Arthur Hess, $40,400; and Lohman Bros., $40,989.

F. E. Newbery Electric Co. was low bidder at $16,202 for electrical work for the same building. Other bids were: H. H. Walker, $16,650; American Electric Constr. Co., $17,420; American Electric Constr. Co., $17,420; Prewitt Electric Co., $17,790; Golden State Electric Co., $19,284; Electric Lighting Supply Co., $19,560; Woodill-Patterson Co., $19,836; and Archer Electric Co., $30,377.68. Plans by Wm. Davidson, Chief Mechanical Engineer. Bids taken under advisement.

The block of land bounded by Nineteenth Ave., Twentieth Ave., Lawton and Moraga streets, has been purchased by Islam Temple of Mystic Shriners. It is the intention of the national body of Mystic Shriners to erect and maintain on this block a group of artistic fireproof buildings, to be used as a hospital for crippled children, who previously, through lack of financial means, were not able to secure the advantage of necessary and proper surgical treatment.

The architect's name will be announced shortly.

MARYSVILLE, Yuba Co., Cal.—The Yuba County Grand Jury in its annual report recommends the construction of a new county hospital and insane ward at the county hospital grounds.

OAKLAND, Cal.—Until Jan. 9, 10 a. m., bids will be received by Geo. E. Gross, County Clerk, for purchase of linoleum for use at Alameda County Hospital, near San Leandro. **See call for bids under official proposal column in this issue.**

HOTELS

Preliminary Plans Being Prepared.
HOTEL-STORE BLDG. Cost, $250,000
SAN LUIS OBISPO, Cal.
Five-story reinforced concrete and brick hotel and store building, 120 rooms, etc.
Owner—Carpenter Hotel Co., San Luis Obispo Co.
Architect—George Rushforth, 354 Pine San Francisco.

Plans Being Prepared.
HOTEL Cost, $150,000
PASADENA, Los Angeles Co., Cal. 6th St. and Pacific Ave.
Five-story reinforced concrete hotel building.
Owner—Philip M. Stone, 1541 N. Raymond Ave., Pasadena.
Architect—Not Given.

ALBUQUERQUE, New Mexico.—C. A. Fellows, Central Bldg., Los Angeles, has contract at about $475,000 for alterations and additions to existing [illegible] building and for new laundry building at Albuquerque, New Mexico, for Santa Fe Railway Co. The addition will be three stories, 106 rooms, 75 per cent baths, steam heat, reinforced concrete construction, plaster exterior, tile roof, hardwood and pine trim, hollow tile partitions, marble and tile work. The lunch room will be enlarged and helps' quarters fitted up in present laundry space. The new laundry building will be three stories, 50x90 feet, reinforced concrete construction, elevator, etc.

LODI, San Joaquin Co., Cal.—John Galligna, Lodi, has been granted a building permit by the City Council to erect a $14,000 fireproof lodging house in South Main street.

POWER PLANTS

Contract Awarded.
[illegible] Cost, $16,500
OAKLAND, SW 26th and Linden Sts.
One-story concrete and steel power house.

Owner—Sanitary Ice & Storage Co., 26th and Chestnut Sts., Oakland.
Architect—John Carson, 50 Yosemite Ave., Oakland.
Contractor—Nelson & Forsyth, Easton Bldg., Oakland.

Plans Being Figured.
POWER HOUSE, ETC. Cost, $10,000
EUREKA, Humboldt Co., Cal. County Hospital Grounds.
Power house and laundry building. (Structure will house laundry equipment, steam boilers, concrete smoke stack, hot water system for heating hospital buildings).
Owner—County of Humboldt, Fred M. Kay, Clerk.
Architect — Newton Ackerman, 430 H St., Eureka, Cal.

AUBURN, Placer Co., Cal.—Engineer J. E. Barieau of Auburn has prepared preliminary plans for a project to strip 100,000 acres of Placer County timber land aggregating approximately 2,000,000,000 lumber feet and supply eastern Sacramento county with irrigation water and utilize the power that can be developed between the north fork of the American river and the Rubicon river in supply municipalities and manufacturing plants of the coast district. The project is backed by the Central Sierra Power Company, which will be incorporated in New York within the next few weeks. Fred P. Tuttle Jr., Attorney, 428 13th St., Oakland, is handling affairs for the concern and will leave shortly for New York to complete arrangements. Approximately $20,000,000 will be expended in the proposed project.

PUBLIC BUILDINGS

Plans Being Figured.
Bids Close Jan. 9, 1921, 11 a. m.
ADDITION Cost, $——
DOWNEY, Los Angeles Co., Cal. County Farm near Downey.
One-story brick and hollow tile addition (134x253) to psychopathic building.
Owner—Los Angeles County.
Architect—Wm. Davidson, Chief County Mechanical Engineer.

SAN LUIS OBISPO, Cal.—Plans have been completed by the San Luis Obispo Park Corporation for a one-mile dirt circular race track, athletic field, fencing, grand stands, etc., and specifications will be completed in about two weeks, when bids will be asked; estimated cost, $35,000.

SAN FRANCISCO.—Until Dec. 21, 3 P. M., bids will be received by Board of Public Works for painting the exterior of the municipal car barn at Geary and Presidio Ave. Plans may be had from Bureau of Architecture, 2nd floor, City Hall.

SACRAMENTO, Cal.—Bids will be received until January 9, 1922, by the California Highway Commission for the construction of a testing laboratory building to be erected in Sacramento. **For further particulars see call for bids under official proposal column.**

LOS ANGELES, Cal.—The Allied Architects Association, 1128 Cit. Nat. Bk. bldg., L. A. has been commissioned by the L. A. board of supervisors to prepare plans for the elevations for the new county jail and hall of justice bldg. to be erected at Temple, Buena Vista and New High Sts. The contract includes exterior elevations and interior court rooms. The bldg. will be eleven stories, 226x195 ft. The cost is estimated at $2,500,000. It will accommodate both the city and county jails, police, sheriff and court departments. The remainder of structural and architectural plans for the bldg. will be prepared by Wm. Davidson, chief county mechanical engineer.

OROVILLE, Butte Co., Cal.—Until January 3, 2 P. M., bids will be received by C. F. Belding, County Clerk, for remodeling the County Jail quarters in the basement of the Court House. Specifications on file in the office of the Clerk.

RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, $12,000
PALO ALTO, Santa Clara Co., Cal.
Two-story frame and plaster residence
Owner—J. W. Tamplin, Palo Alto.
Architect — C. E. Gottschalk, Phelan Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $6,000
SAN ANSELMO, Marin Co., Cal.
Two-story frame residence.
Owner—Dr. George Goodale.
Architect—Welch & Carey, Merchants Natl. Bank Bldg., San Francisco.
Contractor — Peter Hamilton, Lansdale, Cal.

Sketches Being Prepared.
RESIDENCE, ETC. Cost, $10,000
ALAMEDA, Cal.
Two-story and basement 8-room frame residence and garage.
Owner—Name withheld.
Architect—Jas. T. Narbett, Syndicate Bldg., Oakland.

Plans Completed.
RESIDENCE Cost, $8,500
PIEDMONT, Alameda Co.
Two-story frame residence.
Owner—A. H. Burnett.
Architect — Jas. T. Narbett, Syndicate Bldg., Oakland.
NOTE:—Construction will not be started until Spring.

Ready for Figures in About a Week.
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Cal.
Two-story frame and plaster residence (8 rooms, 2 baths).
Owner—W. King.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Segregated Figures To Be Taken This Week.
RESIDENCE, ETC. Cost, $25,000
SAN FRANCISCO. St. Francis Wood.
Two-story and basement frame and plaster residence (10 rooms with ballroom in basement and a two-story separate garage with servants' apts.).
Owner—Arnold Haase.
Architect—C. O. Clausen, Hearst Bldg.

To be Done by Day's Work.
RESIDENCES Cost, $10,000 each
SAN FRANCISCO. NW Lake Street and 30th Ave. and N Lake St. 60 W 29th Ave.
Two two-story and basement frame residences.
Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.

Contract Awarded.
RESIDENCE, ETC. Cost, $18,199
SAN JOSE, Santa Clara Co., Cal. The Alameda.
Two-story frame residence and garage
Owner—Grace Spencer Hall, 216 N-Autumn St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor — J. C. Thorp, Auzerais Bldg., San Jose.

Contract Awarded.
RESIDENCE Cost, $18,886
PIEDMONT, Alameda Co., Cal., Crocker Avenue.
Two-story and basement frame residence with tile roof; also garage.
Owner—H. D. Nichols, 297 Lee Street.
Architect—Albert Farr, 68 Post St., San Francisco.
Alfred Peterson, 3918 Linwood Ave. Oakland, submitted the lowest bid.

SCHOOLS

Contracts Awarded.
SCHOOL BLDG. Cost, $45,000
BERKELEY, Alameda Co., Cal. Jefferson School Site.
One-story frame and plaster school.
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, 1st Nat. Bank Bldg., Berkeley.
Excavating, Grading and Concrete Work to be re-advertised.
Carpentry and Millwork—Walter Murch Federal Bldg., Oakland
Lathing and Plastering—Leonard Bosch 180 Jessie St., San Francisco.
Masonry and Tile Work—M. B. McGowan, 180 Jessie St., San Francisco
Electrical Work—Berkeley Elec. Co., 2142 Center St., Berkeley.
Heating and Ventilating — Held up (Scott Co., low bidder at $4284).
Plumbing—Thos. R. Catton, 2327 Prince St., Berkeley.
Painting—Burdon & Kirkhouse, 1426 Macdonald Ave., Richmond.
Shades—D. N. & E. Walter, San Francisco.
Linoleum—D. N. & E. Walter, S. F.

Preliminary Plans Being Prepared.
SCHOOL Cost $135,000
TUSTIN, Orange Co., Cal.
Two-story brick and concrete high school building, 220x82 (18 classrooms and an auditorium).
Owner—Tustin School District.
Architect—Mott M. Marston, 535 I. W. Hellman Bldg., Los Angeles.

Plans Being Prepared.
SCHOOL BLDG. Cost, $300,000
COMPTON, Los Angeles Co., Cal.
Fireproof high school (20 rooms).
Owner—Compton Union High School District.
Architect—Alfred W. Rea and Chas. E. Garstang, 903 Los Angeles Trust & Savings Bldg., Los Angeles.

Plans Being Prepared.
SCHOOL BLDGS. Cost, $80,000
OAKDALE, Stanislaus Co.
Fireproof high school buildings.
Owner—Oakdale Union High School District.
Architect—Wm. H. Weeks, 369 Pine St., San Francisco.
A bond election will be held shortly.

Plans To Be Prepared.
CONVENT Cost, $80,000
LODI, San Joaquin Co., Cal. Pleasant Ave. and Walnut St.
Brick or concrete convent (8 classrooms and auditorium with dining hall in basement).
Owner—Roman Catholic Archbishop (Rev. Edw. Maher is pastor of St. Anne's Church in Lodi).
Architect—Not given.

Plans Being Figured—Bids Close Jan. 6, 1922, 7 P. M.
SCHOOL Cost, $130,000
ORANGE, Orange Co., Cal.
Brick high school building (6 classrooms, auditorium, library, study hall, offices, etc.)

Owner—Orange Union High School District (F. M. Gulick, Clerk).
Architects — Allison & Allison, Hibernian Bldg., Los Angeles.
Figures are being taken on segregated contracts.

Plans Being Figured—Bids Close Jan. 9, 1922, 2 P. M.
FIXTURES Cost, $——
ELK GROVE, Sacramento Co., Cal.
Electric light fixtures, including electric lamps, etc., for high school.
Owner—Elk Grove Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.
Plans may be obtained from the Architect.

Preliminary Sketches Being Prepared.
HIGH SCHOOL Cost, $350,000
PLACERVILLE, El Dorado Co., Cal.
High school building.
Owner—Placerville High School District.
Architect — Frederick S. Harrison, People's Bank Bldg., Sacramento, Cal.

Working Drawings Being Prepared.
HORTICULTURE BLDG. Cost $100,000
BERKELEY. University Campus.
Two-story hollow tile horticulture bldg.
Owner—University of California.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

Revising Plans.
GYMNASIUM Cost, $140,000
BERKELEY. Blk. Bdd. Grove, Milvia, Bancroft and Channing.
Two-story reinforced concrete and hollow tile gymnasium.
Owner—Berkeley Board of Education.
Architect—Wm. C. Hays, First National Bank Bldg., San Francisco.

Plans Being Figured—Bids Close Jan. 9, 1922, 8 P. M.
ADDITION Cost, ——
LONG BEACH, Los Angeles Co., Cal.
Horace Mann Grammar School.
Additional unit to school.
Owner—Long Beach Board of Education; G. W. Scott, Clerk, 505 Long Beach National Bank Bldg., Long Beach.
Architects — Parker O. Wright & Frances H. Gentry, Marine Bank Bldg., Long Beach.

BERKELEY, Cal. — The Berkeley Board of Education received the following bids on December 13th for furnishing cafeteria chairs and tables for the Berkeley High School and certain electrical work in the same building:

Electrical Work

Berkeley Electric Co. $2997
B. C. White 2430
Contract awarded to B. C. White.

Chairs and Tables

Gorman Furniture Co., (a) chairs $1,250; (b) tables $1,357.
F. W. Wentworth, (a) $1050; (b) $637.
Paul Swedberg, (a) $1100; (b) $375.
Hogan Lumber Co., (a) $——; (b) $725.
Hayward & Wakefield Co., (a) $1090; (b) $947.
Bids taken under advisement.

OAKLAND, Cal.—The Oakland Board of Education received the following bids on December 12th for the construction of a one-story frame Administration Building for the Prescott Annex School, situated south of Campbell St. and north of Fifteenth St. All bids were taken under advisement.

A. J. McPhee.....$7250
F. W. Maurice, Oakland..... 8000
Schnebly & Hostrawser, Oakland. 8174
— Barnes 8172
R. Sheridan & Co..... 8648
M. E. Hopper & Son..... 8990
Walter Murch 9050
John R. Faulkes..... 9496

SACRAMENTO, CAL.—

The following bids were received on December 12, 1921, by the Board of Education of the City of Sacramento for the construction of a two-story concrete and brick school building with tile roof to be known as the "Highland Park School," from plans prepared by the Architectural Commission, Hemmings, Hudnutt & Petersen.

The contract was awarded to Robert Trost, 26th and Howard Sts., San Francisco.

Robert Trost, San Francisco...$135,561
McGillivray Constr. Co..... 136,350
K. E. Parker Co., S. F..... 136,794
Wm. Murcell, Sacramento..... 140,207
Wm. Keating, Sacramento..... 145,950

ELK GROVE, Sacramento Co., Cal.—Until Jan. 6, 8 P. M. bids will be received by S. R. Gage, clerk, Elk Grove Union High School District, for furnishing and installing lighting fixtures, lamps, etc., in new high school, from plans of Architect W. H. Weeks, 369 Pine St., San Francisco. **See call for bids under official proposal column.** (35099) 1st report June 11; 10th, Dec.

LOS ANGELES, Cal.—Geo. F. Barber, 352 S. Virgil Ave., Los Angeles, was low bidder at $62,500 on general contract for new Custer Ave. school building. Elmer Grey, Wright & Callender Bldg., Los Angeles, is the architect. Other low bidders were: Prewitt Elec. Co. on wiring at $2230; Apex Paint Co., 920 S. Main St., on painting at $2472; Geo. A. Posthumus on heating at $2150, and E. W. Crowell on plumbing at $5618. Bids referred to business manager. Two-story, 144x82 ft., 11 rooms, brick construction, ruff. brick facing, composition and tile roof. The bids were:

General Contract—Geo. F. Barber, $62,500; Macdonald & Driver, $67,970; J. A. Hill Constr. Co., $68,880; Alex. Grant, $68,693; R. H. Whinery, $70,700.

Electrical Work—Prewitt Elec. Co., $2230; F. E. Newbery Co., $2545; American Elec. Constr. Co., $2600.

Painting—Apex Paint Co., $2472; Alhambra Wall Paper & Paint Co., $2998; Arenz-Warren Co., $3100; A. Quandt & Son, $3179; R. Zelinsky, $3785; D. Zelinsky, $4100; E. A. Lindgreen, $4986.

Heating—Geo. A. Posthumus, $2150; Marshall-Lock Co., $2923; Thos. Haverty Co., $3038; J. Hokom, $3097; Jas. A. Nelson, $3219; Munger & Munger, $3418.

Plumbing—E. W. Crowell, $5618; W. S. Goodrich, $5619; H. E. Murray, $5944; Marshall-Lock Co., $6145; Thos. Haverty Co., $6945.

LOS ANGELES, Cal.—Geo. F. Barber, 352 S. Virgil Ave., Los Angeles, was low bidder at $52,721 on general contract for new Santa Fe Ave. school building; Thos. Franklin Power, Tajo Bldg., Los Angeles, is the architect. Other low bidders were: H. E. Murray on plumbing at $6661; Geo. A. Posthumus on heating at $3728; Apex Paint Co. on painting at $3171, and Prewitt Elec. Co. on wiring at $2110. Bids referred to business manager. Two stories, 60x118 ft.; reinforced concrete walls, plaster exterior, cast stone trim, composition roof, pine trim. The bids were:

General Contract—Geo. F. Barber, $52,721; Cambrian Constr. Co., $57,143; J. C. Bannister, $61,224; J. B. Dawson, $61,380; Willard-Brent Co., $62,592; Walter Slater Co., $63,864; J. A. Hill Constr. Co., $66,000; John Simpson & Co., $67,875; B. D. Kronnick, $71,000.

Plumbing—H. E. Murray, $6661; W. S. Goodrich, $6724; Thos. Haverty Co., $7114; E. W. Crowell, $7458; Marshall-Lock Co., $7590; Western Plumbers & Steam Fitters, $7750.

Heating—Geo. Posthumus, $3728; Munger & Munger, $4295; J. Hokom, $4454; Marshall-Lock Co., $4628; Thos. Haverty Co., $5033.

Painting—Apex Paint Co., $3171; A. Quandt & Son, $3227; R. Zelinsky, $3673; Arenz-Warren Co., $3750; Alhambra Wall Paper & Paint Co., $3767; D. Zelinsky, $4000; E. A. Lindgreen, $4374.

Electrical Work—Prewitt Elec. Co., $2110; F. E. Newbery Co., $2228; F. B. Potter Elec. Co., $2287.

CORONADO, San Diego Co., Cal.—Young & Beer, San Diego, were low bidders at $111,496 on general construction for erecting new Coronado High School building. Theo. C. Kistner, San Diego, is the architect. Other low bidders were: Hartwell Electric Co. on wiring at $6350, and Rhode Bros. on plumbing and heating at $5735 and $7009, respectively. Certain changes and deductions will be made and contracts awarded to low bidders as soon as funds are available. Part two-story, 326x134 ft., reinforced concrete frame, hollow tile walls, plaster exterior. Other bids on general contract were: Frank Hudson, $119,583; Ova Eckles, $123,280; Brawneer & Hunter, $125,198; Wright & Doran, $138,000; Lowerison & Wolstencroft, $138,500.

LOS ANGELES, Cal.—Until 9 A. M., Dec. 28, bids will be received by the Los Angeles Board of Education for the following school work:

For installing gas radiation at Union Ave. School Building, 138 S. Union Ave.

For installing gas radiation in Florence Ave. School, 1904 E. Florence Ave.

For constructing a sanitary building at Rockdale School, Cor. Neola and Wiota Sts.

For moving bungalows at McKinley Ave. Junior High School site, at McKinley Ave. and 54th St.

For constructing two sanitary buildings at Sierra Park School, Cronus St. and Vaquero Ave.

For installing new toilet fixtures in basement of the Bridge St. School, 1615 Bridge St.; separate bids being taken for general work and plumbing.

Plans for above work may be obtained at Secretary's office, 730 Security Bldg.

LOS ANGELES, Cal.—Until 9 A. M., January 4, bids will be received by the Board of Education for erecting new Le Conte Junior High School on Bronson Ave. near Fountain Ave. Plans prepared by Architectural Department of Board of Education, Edgar H. Cline, architect. Bids will be taken separately on general work, plumbing, heating, wiring and painting. Plans on file at Secretary's office, 730 Security Bldg., Los Angeles. Two stories and part basement, 132x350 ft., brick construction, clay tile roof, reinforced concrete stairways and corridor floors, maple floors, structural steel, marble and tile work. Cost, $280,000.

BERKELEY, Alameda Co., Cal.—Until Dec. 27, 4 p. m., bids will be received by Clyde E. Blanchard, acting secretary, Board of Education, for excavating, grading and concrete work in connection with Jefferson School. **See call for bids under official proposal column in this issue.**

SAN MATEO, San Mateo Co., Cal.—Steps are being taken to form a new high school district comprising the districts in the north end of the county. Should the district be formed it is proposed to call an election to vote bonds to finance construction of a new school. Roy W. Cloud, is County Superintendent of Schools.

SAN JOSE, Santa Clara Co., Cal.—The San Jose Board of Education received the following bids and awarded a contract on December 13th for installing a heating system in the Jefferson school.

P. J. Enright, San Francisco.....$409
Scott Co., San Francisco..... 410
Schneider & Dubrutz..... 429

Contract awarded to P. J. Enright, 2720 McAllister St., San Francisco.

LOS ANGELES, Cal.—E. A. Lindgren was low bidder at $3000 for painting Breed St. School. Other bids were: Arenz-Warren Co., $3300; D. Zelinsky & Sons, $3320, W. K. Elliott, $3180; Alhambra Wall Paper & Paint Co., $3424; Apex Painting Co., $3482.

R. Zelinsky was low bidder at $3492 for painting Tenth St. school building. Other bids were: Apex Painting Co., $3500; Arenz-Warren Co., $3500; Alhambra Wall Paper & Paint Co., $3575; E. A. Lindgren, $3600. Bids referred to business manager.

LOS ANGELES, Cal.—J. C. Bannister, 903 N. Mariposa Ave., was low bidder at $12,492 on general contract for two school buildings, pergola and addition to sanitary building at Zelzah school site, San Fernando valley. Apex Painting Co. was low on painting at $1200. The bids were: **General Contract**—J. C. Bannister, $12,492; C. A. Williams, $12,854; Cambrian Constr. Co., $12,928; McFadden & Winkelman, $12,950; Farley & Farley, $12,964.50; Napier & Simpson, $13,188; Marvin & Marvin, $14,172; Walter Slater Co., $16,660. **Painting**—Apex Painting Co., $1200; Arenz-Warren Co., $1277; R. Zelinsky, $1466; Alhambra Wall Paper & Paint Co., $1700. Bids referred to business manager.

LOS ANGELES, Cal.—Glenn O. Winget, Wilshire Bldg., 6th St. and Western Ave., Los Angeles, was low bidder at $31,924 for constructing an addition to Griffin Ave. school building. Low bidders on other contracts were: Marshall-Lock Co., on plumbing at $7694; J. Hokom on steam heating at $5113; and D. Zelinsky & Sons on painting at $2517. Geo. J. Furtsch submitted a bid on heating at $5100 in writing and $5155 in figures. Referred to Business Manager. The bids were:

General Contract—Glenn O. Winget, $31,924; Macdonald & Driver, $34,420; Willard-Brent Co., $35,800; J. D. Kneen Constr. Co., $37,940. **Plumbing**—Marshall-Lock Co., $7694; G. C. Sutton, $7768; E. W. Crowell, $7939; H. E. Murray, $7984; Western Plumbers & Steamfitters, $8277; Thos. Haverty Co., $10,314. **Steam Heating**—J. Hokom, $5113; Geo. J. Furtsch, $5155 or $5100; Marshall-Lock Co., $5185; Thos. Haverty Co., $5350; Jas. A. Nelson, $5422; Western Plumbers & Steamfitters, $5561. **Painting**—D. Zelinsky & Sons, $2517; Apex Painting Co., $2715; Sink Painting & Decorating Co., $2810; Arenz-Warren Co., $2997; Alhambra Wall Paper & Paint Co., $3030; R. Zelinsky, $3179.

LOS ANGELES, Cal.—Until 9 A. M., Dec. 21, bids will be received by the Los Angeles Board of Education, for following school work:

For additions and remodeling at Eagle Rock Ave. school; separate bids on general work, heating and painting.

For sanitary building at Lockwood St. school; separate bids on general work and plumbing.

For kindergarten building at 17th St. school site; separate bids on general work and plumbing.

For moving bungalows from 6th Ave. school site to Estara Ave. school site.

For additions to and remodeling Miramonte school bldg., 71st St. near Compton Ave.; separate bids for general work, heating and painting.

For new building at Rockdale school site, at Neola and Wiota Sts.; separate bids for general work and plumbing.

Until 9 A. M., Dec. 28, bids will be received by the beard for the following school work:

For additions and alterations at Angeles Mesa school; T. Beverley Keim, Jr., architect; separate bids on general work, heating and painting.

For new building for Selma Ave. school site; Mott M. Marston, architect; separate bids for general work, plumbing, heating, painting and electrical work.

Plans at secretary's office, 730 Security Bldg.

SAN FRANCISCO. — San Francisco Board of Public Works awards contracts for Columbus school addition as follows: General Construction: J. S. Hannah, 142 Sansome St., $31,671. Brick, Stone and Terra Cotta: M. B. McGowan, 180 Jessie St., $13,172. Lathing and Plastering to J. Greenback, 180 Jessie St., $4350. Plumbing to A. Lettich, 365 Fell St., $2840. Heating and Ventilating, P. J. Enright, 2720 McAllister, $3109. Electric Work, G. A. Metcalf, 307 Turk St., $910. Plans were prepared by Architect Herman Barth, Phelan Bldg.

OROVILLE, Butte Co., Cal.—Construction of a $50,000 grammar school to serve the Webster, Walnut, Antelope, Clayton, Pleasant Valley and Meridian Districts is proposed by County Superintendent of Schools Irvin Passmore.

HELENA, Montana.—Bids for $1,400,000 worth of construction will be opened by the State Board of Examiners for buildings at the University of Montana on January 7, 14 and 21. January 7: library, women's residence hall and men's residence hall at Missoula and the gymnasium and biology building at Bozeman; Jan. 14: forestry building and gymnasium and engineering building and shops at Bozeman; Jan. 21: heating plans for both Missoula and Bozeman.

MADERA, Madera Co., Cal.—D. Stephenson, Madera, awarded contract by Alpha School District to install Arcola heating system in Alpha school. Bids follow: D. Stephenson (1) $1,087, (2) $622; C. E. Kocher, Merced, (1) $1,220. A. Sanderson, Clerk of District.

SAN FRANCISCO—Mahony Bros., general contractors for the addition to Mission High School, have awarded contract for grading to A. J. Reeder and reinforcing steel to Truscon Steel Company. John Reid, Jr., City Architect.

LOS ANGELES, Cal. — Bavin & Burch Co., 175 E. Jefferson St., Los Angeles, was low bidder at $73,885 on general contract for new East First St. school building; Krempel & Erkes, Bradbury Bldg., Los Anegles, are the architects. Other low bidders were: Prewitt Elec. Co. on wiring at $2938; G. C. Sutton on plumbing at $9294; Thos. A. Arthur on heating at $6150, and W. K. Elliott, 535 Citizens National Bank Bldg., on painting at $3200. Two-story and basement, 139x160 ft., extreme dimensions; 7 classrooms and auditorium; brick construction. Bids referred to business manager. The bids were:

General Contract—Bavin & Burch, $73,885; Walter Slater Co., $79,000; John Simpson & Co., $79,875; J. C. Bannister, $84,700; L. A. Planing Mill Co., $84,881; J. D. Kneen Constr. Co., $89,800.

Electrical Work—Prewitt Electric Co., $2938; F. E. Newbery Co., $3079; American Elec. Constr. Co., $3250.

Plumbing—G. C. Sutton, $9294; E. W. Crowell, $9447; Marshall-Lock Co., $9749; J. Hokom, $10,662.

Heating—Thos. A. Arthur, $6150; Jas. A. Nelson, $6664; J. Hokom, $6864; Marshall-Lock Co., $7465.

Painting—W. K. Elliott, $3200; Apex Painting Co., $3810; Alhambra Wall Paper & Paint Co., $4126; R. Zelinsky, $4716; Arenz-Warren Co., $5000.

LOS ANGELES, Cal.— J. D. Kneen Contracting Co., Santa Monica, was awarded the general contract at $58,834 for new Vine St. School building. The contract was awarded on the original bid of $59,834 with a deduction of $1000 for work if steam heating is installed. Witmer & Watson, Wright & Callender Bldg., Los Angeles, are the architects. Other contracts were awarded as follows; Plumbing to G. C. Sutton at $6330; heating to J. Hokom at $5199; painting to Alhambra Wall Paper & Paint Co. at $3000, and electrical work to F. E. Newbery Co. at $2017. Two-story and basement, 40x156 ft., 14 classrooms; hollow tile walls, plaster exterior, tile and composition roof.

SACRAMENTO, Cal.—Board of Education rejects bids for furnishing 500 movable school chair desks. The Board will call bids at a later date when it is expected that lower bids will be received.

STORES AND OFFICES

Plans Completed.
ADDITION Cost, $——
FRESNO, Fresno Co., Cal. Tulare St. near J Street.
Add one story to present 2-story bldg., 125x100.
Owner—Pacific Telephone & Telegraph Company.
Architect—Engineering Dept. of owner, San Francisco.

Contract Awarded.
OFFICE BLDG. Cost, $500,000
LOS ANGELES, Cal. 26th and Figueroa Sts.
Three-story Class "A" office building, 267x207.
Owner—Automobile Club of Southern California.
Architect—Hunt & Burns, 701 Laughlin Bldg., Los Angeles.
Contractor—C. J. Kubach Co., Merchants Natl. Bank Bldg., Los Angeles.
The basement and first floor are constructed.

Plans Being Figured.
STORE & OFFICE BLDG. Cost, $20,000
SAN FRANCISCO. NE Eighteenth Avenue and Geary Street.
Two-story brick veneer store and office building.
Owner—Jacob Weissbein.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contract Awarded.
STORE BLDG. Cost, $5435
SAN FRANCISCO. S. Ellis 55 E. Jones.
One-story Class "C" store building.
Owner—G. Lachman.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Monson Bros, 251 Kearny St., San Francisco.

Sketches Being Prepared.
STORE BLDG. Cost, $40,000
BERKELEY, Alameda Co., Cal. Bancroft and Shattuck Avenue.
One-story and basement reinforced

concrete and brick veneer store building (6 stores).
Owner—Boardman Estate.
Architect — Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Figured.
STORE BLDG. Cost, $25,000
SAN FRANCISCO. NW Post and Jones Streets.
One-story reinforced concrete store building (7) stores.
Owner—Withheld.
Architect — Sam L. Hyman, Foxcroft Bldg., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
STORE Cost, $20,000
SAN FRANCISCO. S Geary Street 61 E Mason Street.
Two-story and basement concrete store.
Owner—S. Quaiman.
Architect—Willis C. Lowe, 782 Monadnock Bldg., San Francisco.
Contractor—P. A. Palmer, 782 Monadnock Bldg., San Francisco.

Plans Being Figured.
STORE BLDG. Cost, $15,000
SAN FRANCISCO, S Geary St., E of Mason.
One story and basement brick store building (2 stores).
Owner—M. Vandell.
Architect—S. Heiman, 57 Post St.
Figures are being taken for a general contract.

Contract Awarded.
STORE BLDG. Cost, $8000
SAN FRANCISCO. S O'Farrel, 137:6 E Jones.
One-story and basement Class "C" store building.
Owner—Robert Ransohoff, 255 Post St.
Architect—Henry Michelsen, Phelan Bldg.
Contractor—Barrett & Hilp, 918 Harrison St.

Contract Awarded.
ALTER STORE FRONTS Cost, $1450
BERKELEY, Shattuck and University Aves.
Alter store fronts.
Owner—S. B. Hoy, Berkeley.
Architect—Geo. Rushforth, 354 Pine St., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.

Plans Being Prepared.
STORE & OFFICE BLDG. Cost, $—
LOS ANGELES, Cal. SW Eighth and Spring Streets.
Twelve-story and basement Class A store and office building, 50x155.
Owner—W. W. Paden and C. H. Price, Sory Bldg., Los Angeles.
Architect—Loy L. Smith, 804 Higgins Bldg., Los Angeles.

Contract Awarded.
FILM EXCHANGE, ETC. Cost, $40,000
SAN FRANCISCO. NE Turk Street and Leavenworth Street.
Two-story and basement reinforced concrete film exchange and labratory building.
Owner—Louis R. Lurie.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor— Vukicevich & Bagge, 180 Jessie St., San Francisco.

Contract Awarded.
BAKERY Cost, $11,300
SAN FRANCISCO. S Minna Street Bet. 6th and 7th Sts.
One-story reinforced concrete bakery.
Owner—Sierra Investment Co.
Architect—Arthur S. Bugbee, 26 Montgomery St., San Francisco.
Contractor—Louis Hinson, 1228 Grove St., San Francisco.

Figures Being Taken From a Selected List of Contractors.
STORE & OFFICE BLDG. Cost, $25,000
SAN FRANCISCO. NW Mission and New Montgomery.
Two-story and basement Class C store and office bldg., 80 x 60.
Owner—Sharon Estate.
Architect—Geo. Wm. Kehham, Sharon Bldg.

Low Bidder.
STORE BLDG. Cost, $25,000
SAN FRANCISCO. NW Post and Jones Street.
One-story reinforced concrete store building (7) stores.
Owner—John Rosenfelds Sons.
Architect — Sam L. Hyman, Foxcroft Bldg., San Francisco.
Low Bidder—Barrett & Help, 918 Harrison St.
The excavation, grading, bulk heading, etc. has been awarded to A. J. Keeder, $500

SEATTLE, Wash.—Schack, Young & Myers, architects, Libby Bldg., are preparing plans for two-story addition to Central Building in Third Ave. for offices of the Northern Pacific Railroad; estimated cost, $175,000.

SANTA MONICA, Cal.—Until 7 P. M., Dec. 30, bids will be received by the Board of Education of Santa Monica for erecting an office building at Jefferson School site, on 6th St., Santa Monica. Allison & Allison, 1405 Hibernian Bldg., Los Angeles, are the architects. It will be two stories, 6 rooms, brick construction, red pressed brick facing, composition roof, cement and pine floors. Certified check or bond for 10% required. D. M. Fawcett, Secretary.

THEATRES

Contractor Taking Sub-Figures.
THEATRE, ETC. Cost, $100,000
HAYWARD, Alameda Co., Cal. Castro Street.
One and two-story reinforced concrete theatre, store and office building (2 stores).
Owner—Chas. W. Heyer, Hayward.
Architect— Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor—Chas. W. Heyer Jr., Mills Bldg., San Francisco.

Plans Being Figured.
THEATRE Cost, $——
SAN FRANCISCO. Third and Minna Streets.
One-story Class "A" motion picture theatre.
Owner—Name withheld.
Architect—A. W. Burgren, 110 Sutter St., San Francisco.

SAN FRANCISCO, Cal.—D. Zelinsky & Sons, 420 Turk St., has been awarded a contract for the painting in connection with the construction of the Junior Orpheum Theatre building, a Class A structure. Contract price, $10,000. It is being erected on the northwest corner of Golden Gate Ave. and Taylor St., from plans prepared by Architect G. Albert Lansburgh, 709 Mission St.

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Official Proposals

NOTICE TO PUMP AND MOTOR MANUFACTURERS

The Board of Directors of the Terra Bella Irrigation District will receive sealed bids or proposals **up to the hour of 11 o'clock A. M. on January 3, 1922,** for the furnishing of the following described pump and motor.

One horizontal centrifugal pump, capacity 5,000 gallons per minute against a head of 125 feet, to be direct connected to the following described motor.

One electric motor, 200 horse power, 2200 volts, 3 phase, 60 cycles, 1200 revolutions per minute, at no load.

All of the above to be in accordance with the specifications therefore and on file in the office of the Terra Bella Irrigation District.

Each bid must be accompanied with a certified check in the sum of at least 5 per cent of the total amout of the bid and made payable without recourse to the President of the Board of Directors of the Terra Bella Irrigation District as evidence of good faith that the bidder will enter into a contract and furnish a satisfactory bond that he will furnish the pump and motor, or pump or motor as specified in his bid.

All bids must be on blanks furnished by the District.

The Board of Directors reserves the right to reject any or all bids, to waive defects and to accept any part of any bid.

EARLE R. CLEMENS, Secretary.

BIDS WANTED FOR TESTING LABORATORY BUILDING

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 9th, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made.

A testing laboratory building in the City of Sacramento, California.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated December 12, 1921.

NOTICE TO BIDDERS

Notice is hereby given that sealed bids will be received by the undersigned on behalf of the City of Turlock **up to 7:00 o'clock p. m., Tuesday, December 20, 1921,** for furnishing and installing a water pump for the water system of the City of Turlock together with all necessary connections, equipment and appurtenances for and including the complete installation of same ready for practical operation according to the plans and specifications for said pump and materials, now on file in the office of the City Clerk of the City of Turlock, reference to which plans and specifications is hereby made for further particulars.

Each bid must be accompanied by a certified check in the sum of not less than 10 per cent of the amount of the bid as a guarantee that the bidder will enter into a contract within ten days from the date of the award in case the bid is accepted.

By order of the Board of Trustees of the City of Turlock and dated this eighth day of December, 1921.

A. P. FERGUSON,
City Clerk.

BIDS WANTED FOR LINOLEUM

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors, Alameda County, Calif.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until Monday, January 9th, 1922, at 10 o'clock A. M.** (the day when said bids will be opened and the contract awarded) for the purchase of Linoleum for use at the Alameda County Hospital, near San Leandro, Alameda County, California.

Specifications on file in the office of the County Purchasing Agent open to inspection.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the Contract.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.
Dated December 12, 1921.

NOTICE TO CONTRACTORS FOR EXCAVATING, GRADING AND CONCRETE WORK AT THE JEFFERSON SCHOOL.

The Board of Education of the City of Berkeley and of Berkeley School District in the County of Alameda, State of California, invites and the undersigned will receive at his office, 2133 Allston Way, Berkeley, California, **up to the hour of 4 o'clock P. M., December 27, 1921,** sealed proposals for furnishing the necessary materials, tools and labor for excavating, grading and concrete work at the Jefferson School situated on the corner of Sacramento street and Rose street, in Berkeley School District, in accordance with plans and specifications adopted by said Board of Education on June 15, 1920, and now on file in the office of the said Board of Education, 2133 Allston Way, Berkeley, California.

Copies of said plans and specifications may be obtained from the offices of William C. Hays, 1225 First National Bank Building, San Francisco, California, or office of the Secretary of the Board of Education, 2133 Allston Way, Berkeley, California, upon depositing the sum of Ten ($10.00) Dollars, and must be returned within seven days or the said deposit will be forfeited and turned into the treasury of the said Board of Education.

Bids must be on blank forms furnished by and obtained from said William C. Hays. Work on the above contract must be commenced within 48 hours from notification of the Board of Education to commence said work, and be diligently prosecuted until completion thereof, unless otherwise ordered by said Board of Education and the Architect.

The successful bidder will be required to furnish a surety bond acceptable to the Board of Education in a sum not less than twenty-five (25%) per cent of the contract price, guaranteeing the faithful performance of the contract; also a bond in a sum not less than fifty (50%) per cent of the contract price, guaranteeing the payment of all claims for labor employed or materials used in the excavating, grading and concrete work at said Jefferson School, as provided by an Act of the Legislature of the State of California entitled "An Act to Secure the Payment of Claims of Material-men, Mechanics or Laborers Employed by Contractors upon State, Municipal or other Public Works, Approved March 27, 1897," and must carry adequate insurance or give bonds indemnifying the Board of Education against liability for compensation provided by "Workingmen's Compensation Insurance and Safety Act, approved May 26, 1913," satisfactory to the said Board of Education.

All bids must be accompanied by a cash deposit or a certified check on a responsible bank and payable to the Board of Education for an amount equal to ten (10%) per cent of the amount of the bid.

If the bidder to whom the contract is awarded shall for five (5) days after such an award fail or neglect to enter into a contract and file the required bonds for the faithful performance of the contract and the furnishing of materials and labor, the cash deposit or certified check of said bidder may be declared forfeited to the Board of Education and shall be collected and paid into the General Fund of said Board of Education.

The Board of Education reserves the right to reject any and all bids.

By order of the Board of Education of the City of Berkeley, County of Alameda, State of California, December 13, 1921.

CLYDE BLANCHARD,
Acting Secretary of said Board of Education.

BIDS WANTED FOR ELECTRICAL WORK

NOTICE FOR BIDS

NOTICE IS HEREBY GIVEN that sealed bids will be received and opened by the Board of Trustees of the Elk Grove Union High School District of Sacramento County, California, **until eight o'clock P. M. of Friday, January 6th, 1922,** for furnishing and installing electric light fixtures, including electric lamps, etc., in the new High School building being erected in the City of Elk Grove; all in accordance with the plans and specifications as prepared by W. H. Weeks, Architect.

Plans and specifications may be seen at the office of the Architect, W. H. Weeks, 369 Pine Street, San Francisco.

All bids should be presented on blank forms furnished by the Architect.

Each bid must be accompanied by a certified check on some responsible California bank, in the sum of not less than Ten Per Cent (10%) of the amount bid; made payable to H. L. Ehrhardt, President of the Board of Trustees of the Elk Grove Union High School District, as good faith that the party to whom the contract will be awarded will, within Ten (10) Days enter into the necessary agreement and bonds for the faithful performance of said work, and in case the successful bidder to whom the con-

tract is awarded fails or refuses to enter into said agreement and bonds, said check will be forfeited and retained by the said school district as liquidated damage.

The Board of Trustees reserves the right to reject any or all bids.

H. L. EHRHARDT, Pres.
S. R. GAGE, Clerk.

NOTICE TO BIDDERS

Turlock Irrigation District and Modesto Irrigation District, Stanislaus and Merced Counties, California

JOINT STORAGE WORKS

Sealed proposals will be received at the office of the Turlock Irrigation District, at Turlock, California, **until Friday, December 23, 1921, at 10 o'clock A. M.,** for furnishing and delivering fifty thousand (50,000) barrels to two hunderd thousand (200,000) barrels of Portland cement f. o. b. cars factory. The cement must meet the standard specifications for cement adopted by the American Society for testing materials and must be delivered on a schedule provided by the Districts. Delivery to be at the rate of about twenty-five thousand (25,000) barrels, monthly, beginning January, 1922.

Also for furnishing and delivering f. o. b. cars, San Francisco, steel reinforcing bars as follows:

20,000 lbs. 1¼ inch square, deformed steel reinforcing bars.

90,000 lbs. ¾ inch square, deformed steel reinforcing bars.

154,000 lbs. ½ inch square, deformed steel reinforcing bars.

The contracts will be let to the lowest responsible bidder, but the Boards reserve the right to reject any or all bids.

Each proposal must be accompanied by a certified check for five (5) per cent of the amount of the bid, payable to the order of the Treasurer of the Turlock Irrigation District, for the benefit of said Districts as a guaranty that the bidders will, if successful, execute a satisfactory contract and furnish a bond in the sum of not less than twenty-five (25) per cent of the amount of his bid for the faithful performance of the contract, said bond to be subject to the approval of said Boards.

The proposals must be marked "Proposals for Materials for Don Pedro Storage Project" and addressed "Turlock Irrigation District and Modesto Irrigation District, Turlock, California."

Done in pursuance of orders of the Board of Directors of the Turlock Irrigation District and the Modesto Irrigation District, this 29th day of November, 1921.

ANNA SORENSEN,
Secretary, Turlock Irrigation District.
C. S. ABBOTT,
Secretary, Modesto Irrigation District.

BIDS WANTED FOR STEAM HEATING SYSTEM

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of the Petaluma City High School District will receive sealed bids for the installation of a steam heating system, ventilation and fuel oil equipment for Petaluma Junior High School and Gymnasium Buildings to be erected on the lands recently purchased for that purpose, according to the plans and specifications prepared by Brainerd Jones, architect, and Albert A. Coddington, Consulting Engineer, and a copy of which can be procured at the said office of the said architect in the City of Petaluma, upon depositing with the said architect the sum of $15.00 (fifteen dollars), which said sum will be returned upon the return of the said plans and specifications within two weeks.

Each bid shall be accompanied by a certified check equal to ten per cent of the amount bid, to be forfeited if such bid is accepted and such a bidder shall fail to enter into a contract for the construction of said system, within 10 days after acceptance of such bid.

Said sealed bids will be received **up to eight o'clock P. M., of the 10th day of January, 1922,** at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California, in the City Hall in the City of Petaluma.

The said Petaluma City High School District (as owners) reserve the right to reject any or all bids.

All bids must be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

By order of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

P.J. BLIM, Secretary.

BIDS WANTED FOR PROGRAM CLOCK SYSTEM

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of the Petaluma City High School District will receive sealed bids for the installation of a complete Program Clock and Bell System for Petaluma Junior High School and Gymnasium Buildings according to the plans and specifications prepared by Brainerd Jones, architect, a copy of which can be procured at the said office of the said architect in the City of Petaluma. Each bid shall be accompanied by a certified check equal to ten per cent of the amount bid, to be forfeited if such bid is accepted and such bidder shall fail to enter into a contract for the construction of said system within 10 days after acceptance of such bid.

Said sealed bids will be received up **to eight o'clock P. M. of the 10th day of January, 1922,** at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California, in the City Hall in the City of Petaluma.

The said Board of Education of Petaluma City High School District reserves the right to reject any or all bids.

All bids to be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California. By order of the said Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

P. J. BLIM,
Secretary.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of Petaluma City High School District, Sonoma County, California, will receive sealed bids for the furnishing of all labor and material necessary in the erection and completion of a Junior High School Building and Gymnasium Building on the lands recently purchased by the said Board of Education for that purpose, which said lands are bounded by Fair, Bassett, Broadway and English Streets, according to the plans and specifications therefor prepared by Brainerd Jones, Architect, of the City of Petaluma, and which said plans and specifications are now on file in the office of the said Board of Education at the City Hall in the City of Petaluma, County of Sonoma, State of California, and copies of which said plans and specifications can be procured at the office of the said architect in the said City of Petaluma, upon depositing with the said architect the sum of Fifteen and 00-100 ($15.00) Dollars, which said sum will be returned upon the return of the said plans and specifications.

Said sealed bids will be received **up to eight o'clock P. M. of the 27th day of December, 1921,** by the undersigned Secretary of the Board of Education of Petaluma City High School District, Sonoma County, California, at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, in the City Hall, in the said City of Petaluma.

Said sealed bids must be accompanied by a certified check in a sum equal to at least 10 per cent (ten per centum) of the amount of bid to do the work mentioned, which shall be forfeited if such bid is accepted and such bidder, or bidders shall fail to enter into a contract for the construction of said buildings in accordance therewith within fifteen days after acceptance of such bid.

No bids will be considered unless made out on blank forms furnished by said architect.

The successful bidder, or bidders, will have to give bonds in the sum of 50 per cent (fifty per centum) covering labor and materials; and in addition a 20 per cent (twenty per centum) bond for faithful performance.

The said Petaluma City High School District, Sonoma County, California (as owners), reserve the right to reject any and all bids.

All bids to be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma, City High School District, Sonoma County, California.

By order of the said Board of Education of Petaluma City High School District, Sonoma County, California.

P. J. BLIM,
Secretary.

BIDS WANTED FOR FURNITURE AND HOSPITAL SUPPLIES

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors, Alameda County, California.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until Tuesday, December 27th, 1921, at 10 o'clock A. M.** (the day when said bids will be opened and the contract awarded) for the furnishing of equipment consisting of Furniture and Hospital Supplies for use at the Alameda County Hospital, near San Leandro, Alameda County, California.

Specifications on file in the office of the County Clerk open to inspection.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the Contract.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.
Dated November 28, 1921.

STATE BANKERS TO AID HOME-BUILDING CAMPAIGN

Bankers of California are called upon to aid substantially in the home building campaign to be conducted in California next Spring under auspices of the California Real Estate Association, according to an announcement by the association. "Homebuilding on a large scale is needed," the American Bankers' Association, in session in Los Angeles, declared in a resolution, "and we urge upon members of this association that they extend a sympathetic consideration to this problem and substantial aid in its solution."

At the sixteenth annual California Real Estate Convention in Oakland, January 19-21, 1922, the Own Your Own Home movement will be discussed and planned by leading realtors of the State and Nation. Among those invited to be present and address the California delegates on housing is Irving B. Hiett, the national president of the realtors, who himself built 7500 homes in his home city of Toledo, Ohio. The home-building campaign under state real estate direction will start simultaneously in many of the fifty cities of California where there are active real estate boards co-operating with the State and National association.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SAN RAFAEL, Marin Co., Cal.—Until December 19, bids will be received by Eugene W. Smith, City Clerk, for constructing levee, bounded on the north side by San Rafael canal, east by Flood, south by Toll Road, west by Evans. Bids must state price per cu. yd. for completed levee, including cost per cu. yd. for temporary wooden flood gate. Plans obtainable from clerk.

SANTA ROSA, Sonoma Co., Cal.—The Supervisors awarded a contract on December 12th to W. L. Proctor, Santa Rosa, at $1,111 for repairing a birdge over Dry Creek on Skaggs Springs road, involving 1, 12x12-32 R. O. P. end post; 160 2x2-16 R. W. bottom flood; 162, 3x12-16 R. O. P. top floor, 12 4x4-24 R. W. Stringers.

Mr. Proctor's bid was $65 per 1000 for stringers and $62 F. B. M. for guard rail.

Engineer's estimate, $1,200. R. Press Smith, County Surveyor.

RICHMOND, Contra Costa Co., Cal.—F. F. Skillman, general superintendent for the Proctor Gamble Co. of Cincinnati, Ohio, which proposes to spend $3,000,000 in this city on a modern factory, has signed contracts with the United Dredging Co., 414 13th St., Oakland, to pump 125,000 cu. yds. slit from the Richmond channel to the factory site. Following the completion of this work it is expected that construction on the factory will be started.

BLYTHE, Riverside Co., Cal.—Repair of about 100 bridges over irrigating canals throughout the Palo Verde Valley is contemplated by Riverside County and Palo Verde Mutual Water Co. A. C. Fulmor, County Surveyor.

TOMBSTONE, Ariz.—El Paso Bridge & Iron Co., El Paso, Texas, awarded contract at $14,400 to construct steel bridge across San Pedro river on Palominas-Ash Canyon road, work to be started July 10, 1922. Midland Bridge & Constr. Co., Kansas City, bid $15,475 and J. M. Sparks, Douglas, Ariz., $15,707.

PALMDALE, Cal.—An agreement has been made by the Palmdale and Little Rock Creek Irrigation Districts with the Little Rock Power & Water Co. whereby the latter will build the proposed dam in Little Rock Creek planned for irrigation of 5000 acres in the Antelope Valley. The Little Rock Power & Water Co. filed application for power rights on Little Rock Creek last February, asking direct diversion of 50 sec. ft. and storage of 4507 acre ft. per annum. Under the agreement with the irrigations districts it will build the dam and develop the power, taking a portion of the bonds voted by the irrigation districts and providing cash for the balance of the project. Original plans provided for a reinforced concrete multiple arch dam, but an earth fill dam with a concrete core will be erected under the agreement. S. G. Bennett, now City Engineer of Oxnard, is the engineer for the power company. S. P. Jewett is president of the company, which has offices in the Chapman Bldg., Los Angeles. A contract will be let for construction of the dam, but it will be 40 to 60 days before details will be definitely determined.

SACRAMENTO, Cal.—Improvements planned in Reclamation District No. 2,054, comprising holdings in Sutter and Butte Counties in the district east of the Buttes, will cost approximately $199,470, according to estimates filed with the State Reclamation Board. The bulk of the expenditure is intended for drainage works, the balance to go into upkeep and incidentals.

RICHMOND, Contra Costa Co., Cal.—Kirk Gray & Son, El Cerrito, only bidders, at $675 awarded contract by Council for constructing concrete retaining wall at Municipal wharf. H. D. Chapman, City Engineer.

RIVERSIDE, Cal.—Mercereau Bridge & Constr. Co., 313 N. Ave. 22, Los Angeles, was awarded contract at $22,390 for constructing bridges and bulkheads on approach to Ehrenberg Ferry, involving about 1104 lin. ft. timber trestle.

WILLOWS, Glenn Co., Cal.—Four bids received by the Supervisors on December 12 for constructing rein. concrete bridge known as Highway Culvert, north of Willows, Road District No. 1, were not opened by the Supervisors and it is probable that construction will be postponed. Bids were received from: F. H. Neilson, Orland; J. F. Ball, Crofts and Jensen and E. W. Hoback, all of Willows. Bayard Knock, County Surveyor.

RIVERSIDE, Riverside Co., Cal.—Mercereau Bridge & Constr. Co., 313 N. Ave. 22, Los Angeles, was awarded contract at $3992.70 for protection work on Santa Ana river involving 4.5 acres clearing at $100 acre and 2410 lin. ft. protection work, brush mat. and pipe piling, at $1.47 ft.

ALTURAS, Modoc Co., Cal.—The Supervisors rejected bids for constructing a bridge over Pit river at Lookout. Bids were taken for steel beam construction: M. L. Kerr, Alturas, $16,850; Union Bridge Co., Portland, $16,750; Steel Truss Construction, Union Bridge Co., $14,884; M. L. Kerr, $15,922. A. M. Green, County Surveyor.

OAKLAND, Cal.—Until January 9, 10 a. m., bids will be received by Geo. E. Gross, County Clerk, for the replacement of piles, caps and bracing in the approaches and jack benches of the Bay Farm Island Bridge. Project involves 4000 lin. ft. creosote piles in place; 5 M B. M. creosote O. R. braces; 3 M B. M. untreated O. P. caps in place, including removal of old caps. Specifications on file in office of Clerk. Geo. A. Posey, County Surveyor.

LOS ANGELES, Cal.—California Portland Cement Co. was awarded contract for 6000 bbls cement f. o. b. Pier A, Los Angeles harbor for berths 187, 188, 159 and 160 at $3.49 per bbl., 5c bbl. dis. for cash in 10 days and rebate of 15c each for sacks. Other bids received by Harbor Commissioners were: Southwestern Portland Cement Co., Golden State Portland Cement Co. and Spreckels Bros. Com. Co. each $3.71 per bbl., 5c dis. and 15c rebate for sacks. Monolith Portland Cement Co. bid $3.10 per bbl. f. o. b. Monolith, 5c dis. and 15c rebate for sacks.

LOS ANGELES, Cal.—Following bids were received by Harbor Commission for dredging and filling:

East basin, 860,000 cu. yds., not less than 100,000 cu. yds. per mo.—United Dredging Co., Central Bldg., Los Angeles, 12.24c cubic yd. spec.; start in 20 days; 12.24c start east basin and complete in seven months, 11.84c start in either east or west basin and complete in 12 mos., 12.73c start in both east and west basins and completed in 7 mos.; 2c yd. deducted if power fur'd free. Los Angeles Dredging Co., 11.24c start in 60 days. San Francisco Bridge Co., 11.35c, start in 30 days.

West basin, 1,200,000 cu. yds., 100,000 yds. to be removed each month.—United Dredging Co., 12.6c spec.; start 20 days; 12.6c start west basin and complete in nine months, 11.84c start either west or east basins and complete 12 mos., 12.73c start both west and east basins and complete in seven months, 2c to be deducted if power furnished free. Los Angeles Bridge Co., 19.89c, start after present contract completed, 21.89c if spoil disposed of in oceam. San Francisco Bridge Co., 14.35c, start in 30 days. Bids taken under advisement.

FULLERTON, Orange Co., Cal.—Paul H. Ehlers, 1959 N. Raymond Ave., Pasadena, submitted lowest bid at $49,350 for constructing a reservoir for city water system. Other bids were: Mercereau Bridge and Construction Co., Los Angeles, $49,390; Bent Bros., Los Angeles, $51,000; Union Construction Co., $52,312; J. C. Bannister, Los Angeles, $53,560; Fleming Construction Co., Pomona, $55,500; de Waard & Cobham, San Diego, $56,900; H. G. Klusman, Cucamonga, $57,096; H. M. Hanawalt, La Verne, $57,500; Gower Bros., $57,740; E. M. Hinshaw, Whittier, $58,983; B. B. Boyd, E. San Diego, $59,249; Foundation Co., $59,752; Sharp & Fellows Construction Co., Los Angeles, $71,357. Bids taken under advisement. J. B. Lippincott, Central Bldg., Los Angeles, engineer. The reservoir will be 320x240 ft., involving about 20,000 cu. yds. earthwork slope to be cov-

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ered with 4-in. concrete reinforced with wire mesh and wooden roof.

RICHMOND, Contra Costa Co., Cal.—Proctor & Gamble of Cleveland, Ohio, have awarded a contract to the United Dredging Co. for filling in a portion of their property on the Richmond water front where they will later erect a factory to cost from $2,000,000 to $3,000,000.

MACHINERY

OAKLAND, Cal.—Until December 15, 12 M., bids will be received by Eugene K. Sturgis, City Clerk, for dry docking, cleaning, painting, re-equipping and repairing Dredger "City of Oakland," including anchor barge, cable barge and pontoons. Specifications on file in office of City Clerk. Ralph Bebee, Harbor Engineer.

LOS ANGELES, Cal.—Crane Co., has been awarded a contract by Board of Public Service for furnishing 2200 ft. 4-in. black dipped wrought iron pipe at $51.40 per 100 ft. immediate delivery; also the contract for 7000 ft. 2-in. slack dipped wrought iron pipe at $14.75 per 100 ft.

TERRA BELLA, Tulare Co., Cal.—Until Jan. 3, 11 A. M., bids will be received by Earle R. Clemens, Secretary, Terra Bella Irrigation District, for fur. and del. pump and motor. **See call for bids under official proposal column in this issue.**

FRESNO, Fresno Co., Cal.—The Fresno Irrigation District and the city of Fresno agrees to solve the California ditch problem by piping water from the Raisin plant to Clara Ave. at an estimated cost of $22,000. A 30-in. pipe will be installed. George L. Swendsen is chief engineer for the irrigation district.

LOS ANGELES, Cal.—Until 3 p. m., Dec. 30, bids will be received by Board of Public Service, 207 S. Broadway, for submarine cable; Specification No. P-242. Jas. P. Vroman, Secretary.

ARCADIA, Los Angeles, Cal.—Until 8 p. m., Dec. 21, bids will be received by City Clerk Ethel Grimes Farwell for furnishing and laying 5400 ft. 12-in. riveted steel pipe with fittings. Plans and specifications on file in office of O. A. Gierlich, City Engineer, 209 National Bank Bldg., Monrovia. Certified check or bond for 10%.

LOS ANGELES, Cal.—Until 3 P. M., Dec. 27, bids will be received by Board of Public Service, 207 S. Broadway, for cast iron fittings; Specification No. 591. Jas. P. Vroman, secretary.

SACRAMENTO, Cal.—Following bids received by City Commissioners for fur. and del. one or two street sweeping machines:

Austin Western Road Machinery Co., $8,000 for one or $15,500 for two; W. E. Baxter, $6,500; Elgin Street Sweeper Co., $7,500; Union Construction Co., $8,000. Bids referred to City Engineer Albert Givan for report.

ANAHEIM, Cal.—U. S. Cast Iron Pipe and Foundry Co. was awarded contract for 672 ft. 12-in., 11,216 ft. 10-in. and 400 ft. 6-in. Class C cast iron pipe at $46.65 ton for pipe and average of $20.12 ea. for fittings, f. o. b. Anaheim. Other bids were: R. D. Wood & Co., $48.66 for 10 and 12-in., $52.66 for 6-in. pipe, and $117.66 for fittings; Pacific Pipe & Supply Co., $53.31 for pipe, $131.86 for 4-in. and $121.86 for other fittings; Amer. Cast Iron Pipe Co., $51 for pipe and 7c lb. for 4-in. and 6c for 6-in. fittings.

LOS ANGELES, Cal.—Until 10 A. M., Dec. 23, bids will be received by Harbor Commission, Room 33, City Hall, for corrugated culvert pipe for Badger Ave.; Specification No. 343. Guy W. Wade, Secretary.

EUREKA, Humboldt Co., Cal.—Until Dec. 20, 8 P. M., bids will be received by A. Walter Kildale, City Clerk, for fur. and del. one new roadster automobile equipped with self-starter, electric lights and speedometer. Specifications on file in clerk's office.

ALHAMBRA, Cal. — Pacific Pipe & Supply Co. awarded contract for furnishing cast iron pipe to city.

EI CENTRO, Imperial Co., Cal.—Until 7:30 P. M., Dec. 28, bids will be received by Trustees of Central Union High School District for following: One 7x24-in. single surfacer, with 5 h. p. 3 phase motor; one 12-in. buzz planer and jointer, with 3 h. p. 3 phase motor; one 36-in. band saw, with 3 h. p. 3 phase motor; one double arbor saw bench with 5 h. p. 3 phase motor; two wood lathes, 60-in., iron bed and iron legs; fitted with hand feeding carriages and compound swivel tool rest, each with a one-half h. p. motor. All machine are to be equipped with direct driven motors and belts. The Trustees offer for sale one 12-in. joiner, one Tannewitz saw table, one 24x12-in. Crescent single surfacer and one 32-in. Crescent band saw. F. D. Adams, Clerk.

LOS ANGELES, Cal.—Lacy Manufacturing Co. was awarded contract at $8500 for riveted steel tank for Board of Public Service. Other bids: Llewellyn Iron Works, $10,933; Baker Iron Works, $12,990; Western Pipe & Steel Co., $13,000; L. A. Manufacturing Co., $14,270.

EUREKA, Humboldt Co., Cal.—John A. Roeblings Sons Co., 646 Folsom St., San Francisco, at $0.16¾ per pound, awarded contract by City Council for fur. and del. approx. 4030 lbs. (10,000 ft.) copper wire for municipal railway. Harry Hannah, City Engineer.

OAKLAND, Cal.—Until Dec. 22, 1 m., bids will be received by Eugene K. Sturgis, City Clerk, for fur. and del. one 350 h.p. induction motor for use of Department of Public Works. Spec. on file in office of Clerk. Geo. Mattis, City Engineer.

PASADENA, Los Angeles Co., Cal.—U. S. Cast Iron Pipe and Foundry Co., Monadnock Bldg., San Francisco, at $20,726.49, awarded contract by City Council for furnishing an assorted lot of cast iron water pipe and fittings. Pacific Pipe and Supply Co., $21,593.56; American Cast Iron Pipe Co., $22,488.39; R. D. Wood Co., $26,613.02; Victor Manufacturing Co., for fittings only, $1,129.50.

SACRAMENTO, Cal.—American Cast Iron Pipe Co., Balboa Bldg., San Francisco, at $1,985.55, awarded contract by City Commissioners to fur. and del. 2,500. ft. 6-in. C. I. "B" pipe, 12-ft lengths, together with various fittings. Albert Givan, City Engineer.

SACRAMENTO, Cal.—Time for opening bids for constructing unit for sewerage Pumping Station No. 1, consisting of two centrifugal pumps, two electric motors and auxiliary equipment has been extended by the City Council from December 15th to December 22nd, 9 P. M. Work involves: Installation of 2 electrically motor driven centrifugal pumps, direct connected, horizontal, 36,000,000-gallon capacity; 1 electrical motor; 1 priming pump; 1 switchboard for operating with tranformer, switches and necessary operating apparatus.

IRRIGATION PROJECTS

DIXON, Solano Co., Cal.—Felix T. Swan, Dixon land owner, heads committee seeking organization of irrigation system comprising from 40,000 to 50,000 acres, water to be taken from the borrow pit west of the Holland tract and carried by lifts to the west line.

LIGHTING SYSTEMS

FORTUNA, Humboldt Co., Cal.—City Trustees propose to install electrolier system in four blocks of business district; estimated cost, $3,000. Plans for system has been submitted by General Electric Co. and Pacific States Electric Co. of San Francisco.

LOS ANGELES, Cal.—Until 10 A. M., December 27, bids will be received by the Board of Public Works for furnishing and installing posts and appliances for lighting Pacific Ave., betw. Third and 14th Sts., Horace B. Ferris, Secretary.

FAIRFIELD, Solano Co., Cal.—The Chamber of Commerce has had plans prepared for an electrolier system in Texas street, and is awaiting the decision of the County Supervisors to pay for installation fronting county court house.

LOS ANGELES, Cal.—An ordinance of intention to construct on ornamental lighting system on Berkshire Ave. between Kendall Ave. and Huntington Drive north and on Huntington Drive, Alpha St., Branner Ave., Atlas St., Parmley St. and Kendall Ave. has been adopted by Council. Act of 1905.

LOS ANGELES, Cal.—Until 3 p. m., Dec. 27, bids will be received by the Board of Public Service, 207 S. Broadway, for incandescent lamps; Spec. No. P-243. Jas. P. Vrooman, secretary.

OXNARD, Cal.—C. W. Sparks, 457 S. Lake St., Los Angeles, was awarded contract at $12,866.60 for constructing ornamental lighting system in Street Light District No. 1, requiring 86 conc. posts. Other bids were: Southern California Electric Co., Los Angeles, $13,000; H. H. Walker, Los Angeles, $13,685, and M. S. Cummings, $13,777.77.

RAILROADS

SAN FRANCISCO—Bids are being received (date for opening bids not set) by Elmer Cox, vice-president of the Sugar Pine Lumber Co. and president of the Minerets and Western Railroad Co., 801 First National Bank Bldg. is taking [illegible] for all work in connection with the grading of 35.5 miles of standard gauge railroad, from Fresno, Calif., into the timber lands, including grading, fill, excavating, etc., trestle construction, masonry and concrete work. This work is for the Minerets and Western Railroad Co. with headquarters at Madera, Calif., a common carrier. The balance of the railway, 19.5 miles, making a total of 55 miles, will be constructed for the Sugar Pine Lumber Co., from the end

of the above-mentioned road, into the timber property. Estimated cost of the railroad is $2,500,000. T. L. Russell, chief engineer for the Minerets and Western Railroad at Madera.

FIRE EQUIPMENT

GRASS VALLEY, Nevada.—Until January 6, 8 p. m., bids will be received by C. F. Lobecker, City Clerk, for furnishing and delivering 500 ft. of double-jacketed 2½-in. standard fire hose in 50-ft. lengths. Bids will be made for hose with and without couplings. Samples to be submitted.

SAN FRANCISCO.—Until December 28, 8:30 p. m., bids will be received by Board of Fire Commissioners for fur. and del. one combined gasoline and lubricating oil tanks of a capacity or approximately 6000 gals. for use of the Fire Department. Spec. may be had from Frank T. Kennedy, secretary of the Commission, basement, City Hall.

TAFT, Kern Co., Cal.—Until Dec. 27, 7:30 p. m., bids will be received by C. Z. Irvine, City Clerk, for laying fire mains, installing fire hydrants and fire valves in various sections of the city; estimated cost, $10,000. Edward M. Lynch, Central Bldg., Los Angeles, engineer.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

EL CENTRO, Imperial Co., Cal.—H. H. Peterson, Loma Portal, San Diego, was awarded the contract at about $184,520.20 for paving with 5¼-in. cement concrete five sections of county highway for which bids were opened December 5. The unit bids were:

Brawley-Holtville road (Brawley east)—H. H. Peterson, 100 cu. yds. excavating at $1 yd.; 165,344 sq. ft. concrete paving at 21.3c ft.; placing reinforcing in 8000 sq. ft. pavement, 1c ft.; total, $35,398.27. C. W. Cushing, 50c excavating, 23c concrete paving, 1c reinforcing. Los Angeles Paving Co., $1.25 excavating, 25.9 Willite paving.

Imperial-Holtville road (Imperial east)—H. H. Peterson, 100 cu. yds. excavating at $1 yd.; 152,504 sq. ft. concrete paving at 22.5c ft.; placing steel in 5000 sq. ft. pavement, 1c ft.; total, $34,406.40. G. R. Wades, 90c excavating, 26.2c concrete paving, 7c reinforcing.

Imperial Ave. (Thompson's crossing)—H. H. Peterson, 100 cu. yds. excavating at $1 yd.; 84,409 sq. ft. paving at 23c ft.; placing reinforcing in 2000 sq. ft., 1c ft.; total, $20,544.07; G. R. Wade, 90c excavating, 28.2c concrete paving, 7c reinforcing.

Brawley-Holtville road (Holtville north)- 100 cu. yds. excavation at $1 yd.; 337,728 sq. ft. concrete paving, 22.3c ft. placing reinforcing in 8000 ft., 1c ft.; total, $75,493.34. W. F. Beal, 85c excavation, 26.95c concrete paving, 6c reinforcing. Los Angeles Paving Co., $1.29 excavation, 28.5c Willite paving. Geo. H. Oswald, $1.25 excavation, 28c Willite paving.

Holtville-Bonds Corner road—H. H. Peterson, 100 cu. yds. excavation at $1 yd.; 84,480 sq. ft. concrete paving at 21.9c ft.; placing reinforcing in 2000 ft. 1c ft.; total, $18,621.12. W. F. Beal, 95c excavation, 27.2c concrete paving, 7c reinforcing. Geo. H. Oswald, $1.25 excavation, 28c concrete pavement, 25.5c Willite pavement.

BAKERSFIELD, Kern Co., Cal.—Council, V. Van Riper, City Clerk, declares intention to improve Chester Ave., from north city limits to the S. P. right-of-way by regrading and repaving with 6-in. cement concrete pavement. Street District Improvement No. 82. Improvement Act 1911. Protests Dec. 27. R. H. Hubbard, City Engineer.

YREKA, Siskiyou Co., Cal.—No bids received by Supervisors for constructing Hessig to Oregon road and bids were ordered re-advertised to be opened Jan. 3, 10 A. M. H. J. Sarter, County Surveyor.

EUREKA, Humboldt Co., Cal.—Eureka Chamber of Commerce urges an extensive street paving program. James Fraser of the Mercer-Fraser Co., urges that the Chamber invite engineers to explain various types of pavement. An engineer for the Standard Oil Co., has already consulted the chamber with regards to asphaltum pavement. Harry H. Hannah, City Engineer.

OAKLAND, Cal.—Until Dec. 22, 12 M., bids will be received by Eugene K. Sturgis, City Clerk, for improving Madison street bet. 2nd and 12th Sts., involving: 49,325 sq. ft. grading; 1701 lin. ft. concr. curb; 2116 sq. ft. concr. gutter; 47,209 sq. ft. of asph. concr. pavement; 238 lin. ft. of 8-in., 279 lin ft. 12-in., 249 lin ft. 14-in., 312 lin. ft. of 16-in. and 280 lin. ft. of 21-in vit pipe sewer; 851 lin. ft. 30-in. concr. sewer; 157 lin. ft. of 10-in. vit. pipe conduit; 2 brick manholes; 3 brick and concr. manholes; 6 brick catchbasins; 5 vit. pipe drop connections; 80 vit. pipe Y-branches; 48 vit. pipe slants; 1358 lin. ft. of existing sewer to be removed; 4 existing manholes to be deepened; 4 existing manholes to be removed. Geo. Mattis, City Engineer.

SEBASTOPOL, Sonoma Co., Cal.—Contracts awarded to Hugh Crummey, 357 12th St., Oakland, for paving South Main St., $23,989; Bodega Ave., $9,924; Petaluma Ave. and other streets, $29,-271, has been sublet to the Warren Construction Co., Rialto Bldg., San Francisco.

CALIFORNIA.—Following bids received Dec. 12 by State Highway Commission for surfacing with asphaltic concr. 0.7 miles of highway in San Joaquin County bet. Tracy and a point ¾ mile easterly, 900 tons asphaltic concr. surface:

J. A. Costello Jr., S. F.....$10,485
Clark & Henery, Stockton 11,358
Engineer's Estimate 10,080

Following bids received for surfacing 2.8 miles of highway in Merced County bet. ¾ mile northwest of Merced and Gerard Ave., involving approx. 3,340 tons asph. concr. surface, commission to furnish broken stone, sand, stone dust and asph. cement:

Valley Paving & Constr. Co., Visalia $18,303.40
J. A. Costello, Jr., S. F..... 22,211.00
Engineer's estimate 19,205.00

FRESNO, Fresno Co., Cal.—City Commissioners awards following contracts:

To California Improvement Co., Bank of Italy Bldg., Fresno, portions of University, Moroa, etc., by grading, concrete curbs, gutters and sidewalks, corrugated culverts, paving with 3½ in. asphaltic concrete base with 1½-in. Warrenite surface.

To Federal Constr. Co., Call Bldg., San Francisco, for similar improvements in Echo Ave. bet. Belmont and Olive; Elizabeth bet. Forthcamp and Echo, and Dudley from Forthcamp to Echo.

To Thompson Bros., 1514 H St., Fresno, for improving M St. from Kern to San Diego by grading, concrete curbs and gutters, corrugated culverts and paving with 5-in. concrete base with 1½-in. Warrenite-Bitulithic surface.

To California Road & Improvement Co., Bank of Italy Bldg., Fresno, for improving San Joaquin St. bet. Broadway and M by grading, concrete curbs and gutters, paving with 3½-in. asph. concrete base with 1½-in. Warrenite surface. Wm. Stranahan, City Engineer.

RIO VISTA, Solano Co., Cal.—Eight engineers have filed applications with City Trustees for commission to handle proposed paving program now under consideration.

TUCSON, Ariz.—Geo. B. Singleton was awarded contract at $18,459.90 for constructing 4696 ft. 8-in. and 1230 ft. 4-in. vitrified pipe sewer, 9 manholes, 2 lampholes and 1 flush tank in The Speedway and Olive Road.

SAN LEANDRO, Alameda Co., Cal.—City Trustees order grading, concrete curbs and macadamizing of Lewis and Mitchell avenues and Hollywood Blvd.; also for the repair of sidewalks in Washington Ave., from Saunders to south city limits. R. H. Goodwin, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—Following bids received by Supervisors for constructing Guerneville-Jenner unit, Sec. A, 5th District, highway, involving 21,330 cu. yds. excavation without classification; 622 lin. ft. of 12" C. I. Pipe, hauling and laying; 50 lin. ft. of 15" C. I. Pipe, hauling and laying; 24 lin. ft. 31" C. I. Pipe, hauling and laying; 6,400 F. B. M. R. W. for Box culverts, in place; 3,800 lin. ft. 12" R. W. log cribbing in placé; 1,500 lbs. ¾" drift pine.

Proposition (1) excavating, (2) 12-in. pipe (a) 15", (b) 13", (3) redwood for culverts, (4) redwood log cribbing, and (5) ¾-inch drift bolt.

J. M. DeLucca, 5500 Kales Ave., Oakland, (1) 66c, (2) $1.25, (a) $1.25, (b) $125, (3) $80, (4) 40c, (5) 10c lb; total, $17,162.80. **Awarded contract.**

John Welsh, San Francisco, (1) 76c, (2) 50c, (a) 50c, (b) 50c, (3) $110, (4) 25c, (5) 7c; total, $18,355.80.

H. A. Richardson, 320 Market St., San Francisco, (1) 86c, (2) 50c, (a) 60c, (b) 65c, (3) $60, (4) 65c, (5) 6c; total, $21,749.60.

Frank Bryant, San Francisco, (1) 86c, (2) $1.10; (a) $1.20, (b) $1.40, (3) $100, (4) 70c, (5) 6c; total, $22,-554.60.

Chas. Harlow & Bros., San Francisco, (1) 91c, (2) $1.50, (a) $1.50, (b) $1.50, (3) $70, (4) 50c, (5) 10c; total, $22,997.80.

J. Wilmshurst, 2850 Folsom St., San Francisco, (1) 94c, (2) 75c, (a) $1.00, (b) $1.25, (3) $85, (4) 50c, (5) 12c; total, $23,267.70.

W. L. Proctor, Santa Rosa, (1) 96c, (2) 90c, (a) 95c, (b) $1.00, (3)) $100, (4) 68c; total $24,455.10.

Grant Smith, Grand View, Cal., (1) 95c, (2) $2.50, (a) $3.50, (b) $4.50, (3) $80, (4) 40c, (5) 10c; total, $24,311.

Claudius & Hauser, 300 Call Bldg., San Francisco, (1) $1.20, (2) 75c, (a) 90c, (b) $1.00, (3) $60, (4) 50c, (5) 10c; total, $28,625.50.

D. W. Conners, Santa Rosa, (1) $1.41, (2) $1.00, (a) $1.25, (b) $1.25, (3) $90, (4) 60c, (5) 6c; total, $33,-818.30.

County Surveyor R. Press Smith estimated the work to cost $25,458.

REDONDO BEACH, Cal.—Until 8 P. M., January 2, bids will be received by City Clerk Harry Polglase for improving Juanita Ave. between Camino Real

and Diamond St. by grading and paving with 3½-in. macadam and constructing curb and a storm water system; also grading and oiling Beryl St. between Lucia and Irene Aves., in same contract; Vrooman Act. Victor H. Staheli, City Engineer.

HEMET, Riverside Co., Cal.—Action on a petition to pave certain streets was deferred by City Trustees until the first meeting in January. F. W. Stetson, City Engineer.

FRESNO, Fresno Co., Cal.—Council, R. Y. St. George, City Clerk, declares intention to improve South Van Ness Ave. from Van Ness to California Ave., regrading, concr. curbs, gutters and sidewalks, corru. culverts, paving with 3½-in. asph. concr. base with 1½-in. Warrenite Bitulithic wearing surface. Imp. Act 1911. Wm. Stranahan, City Engineer.

HUNTINGTON PARK, Cal.—City Engineer was instructed to prepare plans and specifications for paving Miles Ave. bet. Randolph and Slauson Aves.

RIVERSIDE, Cal.—Francisco & Ellington, Los Angeles (W. T. Ellington, 1127 Orange St.), were awarded contract at $22,295 for constructing fill for approach to Ehrenberg Ferry on county road, involving 88,000 cu. yds. earthwork at 24c yd. and 47 acres clearing at $25 an acre.

RICHMOND, Contra Costa Co., Cal.—City Engineer H. D. Chapman preparing specifications for improving Ohio street from 37th to 41st, 37th St. from Macdonald to Wall, 39th bet. 41st and Waller. 18-ft. wide asphaltic concrete pavement will be laid in addition to cement sidewalks.

MARTINEZ, Contra Costa Co., Cal.—Henry Cowell Lime and Cement Co., 2 Market St., San Francisco, will construct approximately 3000 feet of concrete streets in the vicinity of its plant at Cowell, Contra Costa County. Three thicknesses of pavement will be laid: one 6-in., one 7-in., and another 8-in. Work will be under the supervision of R. R. Arnold, Surveyor of Contra Costa County.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, Clerk, appropriates $1125 to purchase sewer pipe for reconstructing sanitary sewer in Trestle Glen. Geo. Mattis, City Engineer.

TURLOCK, Stanislaus Co., Cal.—Until Dec. 20, 7 P. M., bids will be received by A. P. Ferguson, City Clerk, for installing water pump for water system, together with all necessary connections, etc. **See call for bids under official proposal column in this issue.**

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy completes specifications for improving Ellsworth St., bet. Powhattan and Esmeralda, estimated cost $1,250, involving 24 lin. ft. 12-in. and 327 lin. ft. 8-in. vit. pipe sewer, 2 brick manholes and 26 8-in. vit. wye branches.

COLUSA, Colusa Co., Cal.—K. B. Ferguson, assistant engineer for Reclamation District 2047, has been selected by the City Trustees to submit a report on improving sewer system.

EUREKA, Humboldt Co., Cal.—Mercer-Fraser Co., Eureka, at $8,799, was awarded contract by Supervisors to construct 3.88 miles of wagon road from Samoa north along the peninsula toward Arcata, in Road Districts Nos. 4 and 5. Other bidders: S. H. Stockhoff, $10,730, F. W. Johnson, $14,900; W. C. Elsmore, $15,500; Padgett & Kelly, $14,875. A. J. Logan, County Surveyor.

RICHMOND, Contra Costa Co., Cal.—San Pablo Drainage District was organized at a recent election. District was formed to finance construction of a sewer in the section between Wildcat Creek and the north city limits of Richmond. Plans will be prepared by County Surveyor R. R. Arnold.

MILL VALLEY, Marin Co., Cal.—Downer & Mero, Richmond, at $198,168 submits only bid to Town Trustees for improving portions of Cascade Drive, Old Mill St., Josephine St., Eugene St., Ethel and Molino Aves., etc., by grading, paving with 5-in. hydraulic concr. corru. pipe culverts, etc. Bid taken under advisement until December 21. J. C. Oglesby, Town Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—Bids of L. J. Bryne and T. F. Costella, for constructing 6-in. vit. sewer in portions of Cedar street, with 22 4-in. wyes, taken under advisement. James K. James, City Engineer.

OAKLAND, Cal.—Fred H. Austin, 2328 Fourteenth Ave., Oakland, at $5,798, awarded contract by Park Directors for constructing cascade stairway on steep slopes on northeast shore of Lake Merritt. Plans by Architect John Galen Howard, First National Bank Bldg., San Francisco.

OROVILLE, Butte Co., Cal.—Until Dec. 28, 5 p. m., bids will be received by Mildred P. Martin, Clerk, Oroville Union High School District, room 6, Jones Bldg., for paving two tennis courts, each 40x82 ft. Specifications on file in office of Clerk.

GLENDALE, Los Angeles Co., Cal.—Until 6:30 p. m., Dec. 22, bids will be received by City Clerk A. J. Van Wie for improving Chester, Concord, State, Milford, Doran and other streets and alleys, involving 3740 lin. ft. grading, 152,090.68 sq. ft. oiling and surfacing, 34,286.36 sq. ft. sidewalk, 6320 lin. ft. curb and laying 2085 ft. 4-in., 650 ft. 6-in. and 1295 ft. 8-in. cast iron water pipe, including fire hydrants and appurtenances. C. L. Hill, City Engineer.

BANNING, Riverside Co., Cal.—The $70,000 bond issue for paving with 6-in. concrete about one mile of the State Highway through Banning carried at a special election. Paul E. Kressly, H. W. Hellman Bldg., Los Angeles, engineer.

LOS ANGELES, Cal.—Until 10 a. m., Dec. 27, bids will be received by Board of Public Works for improving Centre St., bet. Seventh and Eighteenth Sts., by constructing bitulithic pavement, cement concrete pavement, curb, sidewalk, gutter and house connection sewers; Vrooman Act. Approximate quantities are: 136,360 sq. ft grading (about 3195 cu. yds.); 116,910 sq. ft. Warrenite bitulithic paving (3½-in. base and 1½-in. surface); 19,450 sq. ft. 5-in. concrete paving; 640 ft. house connection sewers; 1132 ft. curb; 4824 sq. ft. sidewalk; 6158 sq. ft. concrete gutter.

OLYMPIA, Wash.—Frank Morgan, Buckley, Wash., at $79,584.27, awarded contract by State Highway Commission for grading and surfacing with crushed rock three miles of Navy Yard highway between Tidewater Creek and Charleston, in Kitsap county; Hans Pederson, Seattle, at $54,538.93, awarded contract for grading and surfacing with gravel 3.1 miles of north bank of highway between Cooks and Underwood in Skamania County; Pentilo and Pentilo and Potervo, Naselle, Wash., at $25,138.45, awarded contract for grading 2 miles of Ocean Beach highway, between Naselle and Johnson's landing, in Pacific county; Renzetti & Co., Everett, Wash., $70,752.20, awarded contract for grading and surfacing with gravel 9 miles of Olympic highway, between Beaver and Forks, in Clallam county. Johnson Contracting Co., Portland, $40,816, submitted low bid for grading and surfacing with with gravel 2.5 miles of North Bank highway, between Underwood and Bingen, in Klickitat county; bid taken under advisement.

SANTA CRUZ, Santa Cruz Co., Cal.—Until Dec. 27, 9 p. m., bids will be received by S. A. Evans, City Clerk, for constructing 6-in. vit. sewer in portions of Toledo St., 1 brick manhole, 16 wye branches. Imp. Act 1911. James R. James, City Engineer.

MODESTO, Stanislaus Co., Cal.—Supervisors petitioned to pave five-eighths-mile strip of road extending from Valley Home, which connects with Lone Tree road and the property of Stanislaus county, to connect with San Joaquin county line. About four miles of the road is unpaved in San Joaquin county. J. H. Hoskins, Stanislaus County Surveyor.

BAKERSFIELD, Kern Co., Cal.—W. J. Schmidt, 2025 Shattuck Ave., Berkeley, at $1,502, awarded contract by Council for constructing vit. sewers in alleys 104, 105 and 106. R. H. Hubbard, City Engineer.

NEWMAN, Stanislaus Co., Cal.—City Trustees authorize paving of ten blocks of streets and bids will be called in the immediate future. Project involves: 261,741 sq. ft. paving 3-in. black base, 1½-in. Warrenite; 132,753 sq. ft. paving 3½-in. black base 1½-in. Warrenite; 432,842 sq. ft. grading; 8186 lin. ft. comb. curb and gutter, 2519 lin. ft. gutter; 882 lin. ft. curb; 648 lin. ft. 24", 696 lin. ft. 20", and 540 lin. ft. 16" culvert; 19, 24" and 16, 27" manhole covers and seats; 8100 lin. ft. headers; 2410 sq. ft. 6" cement concr. pavement alley approaches; 162 sq. ft. 6" cement concr. drive; 20430 sq. ft. 4" concr. sidewalk; 16, 4-ft. and 2, 6-ft. gutter bridges; 2440 lin. ft. 1" and 564 lin. ft. 1½" electric conduit. Concrete cleanout, boxes are included in total length of culverts. Estimated cost, $146,286.83. W. R. Sherman, Town Engineer.

LONG BEACH, Cal.—Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., Los Angeles, was awarded contract at $20,883.04 for paving Lime Ave., betw. Ocean Blvd and Fourth St. with asph. concr. W. O. Potter was awarded contract for paving three alleys with concr.

BAKERSFIELD, Kern Co., Cal.—City Council declares intention to improve Spruce St., bet. 19 and 20; concr. curbs and sidewalks. Street Imp. Dist. No. 83.

Intention declared to construct 6-in. vit. sewer in alley running east and west in Blocks 217, 218, 219, 220 and 221.

Intention declared to improve Parkway from Oleander Ave. to C St., grading, concr. curbs, oil and screening wearing surface.

Intention declared to construct 6-in. vit. sewer in District known as No. 49. R. H. Hubbard, city engineer.

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Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
2981	Suetina	Owner	900
2982	Farnsworth	Johnston	1000
2983	Penn	Haugerud	800
2984	Rosenberg	McDonald	900
2985	Green	Green	6000
2986	Harrelson	Owner	800
2987	Moore	Owner	950
2988	O'Brien	Kiernan	40000
2989	Standard	Owner	1000
2990	Seppel	Nelson	4300
2991	Martinelli	Martinelli	5000
2992	Lachman	Brumfield	1850
2993	Blashow	Foulkes	1500
2994	Joyce	Jones	16044
2995	Midbust	Owner	8000
2996	Strand	Owner	10000
2997	Vivian	Merritt	500
2998	Ottria	Owner	500
2999	Cole	Klyce	1000
3000	Skierka	Owner	800
3001	Bothe	Owner	2500
3002	Musin	Lovell	1450
3003	Berger	Owner	12000
3004	Arbini	Pearson	900
3005	Grunuth	Orchard	1000
3006	Hemminga	Owner	4000
3007	Lacey	Carlson	20000
3008	Stockwitz	Coburn	1000
3009	Quaiman	Palmer	20000
3010	Pease	Fennell	1085
3011	Marshall	Johnson	5800
3012	Hansen	Owner	4000
3013	Heong	Stevens	1500
3014	Affolter	Owner	4000
3015	Emporium	Dinwiddie	800
3016	Bothe	Owner	5000
3017	Johnson	Owner	300
3018	Valensia	Adler	10200
3019	Moneta	Arnott	42845
3020	Lachman	Monson	5435
3021	Seagrave	Fink	2100
3022	Yates	McNally	10000
3023	Peterson	Owner	30000
3024	Standard	Owner	1000
3025	Standard	Owner	1000
3026	Fox	Owner	1800
3027	Standard	Owner	1000
3028	Same	Same	1000
3029	Patrick	Owner	2500
3030	Wright	Miller	750
3031	Lewis	Owner	900
3032	Kull	Moran	1500
3033	Ransohoff	Barrett	8000
3034	Queen	Owner	12000
3035	Jr. Orpheum	Zelinsky	10000
3036	Anderson	Owner	7000
3037	Reinhart	Lewis	6000
3038	Harrison	Nelson	8000
3039	Cornelius	McInnis	1700
3040	Allen	Owner	10000
2041	Same	Same	10000
3042	McMillan	Owner	4000
3043	Tuombly	Nichol	500
3044	Kresteller	Hardy	13670
3045	P G & E Co	Mission	1749
2046	Lafitte	Meyer	9000

PERMITS

DWELLING
(2981) W GOETTINGEN 150 N Wilde. One-story and basement frame dwelling.
Owner—G. Suetina.
Architect—None.
Day's work. $900

ALTERATIONS
(2982) NO. 90 JORDAN AVE. General alterations and repairs to residence
Owner—W. S. Farnsworth, 4801 California St., San Francisco.
Architect—None.
Contractor—Wm. H. Johnston, 813 Lyon St., San Francisco. $1000

ALTERATIONS
(2983) NO. 765 MARKET. Re-arrange for cigar stand.
Owner—Homer Penn, Premises.
Architect—None.
Contractor—A. Haugerud, 2745 16th St., San Francisco. $800

SUN PORCH
(2984) NO. 640 POST. Erect sun porch on roof.
Owner—H. L. Rosenberg, S. F.
Architect—None.
Contractor — MacDonald & Kahn, 130 Montgomery St., San Francisco. $900

DWELLINGS
(2985) E TWENTY-THIRD AVE 50 and 75 S Balboa. Two one-story and basement frame dwellings.
Owner—G. G. Green, 2050 Bryant St., San Francisco.
Architect—None.
Contractor—Bredlow Green, 2050 Bryant St., San Francisco. $3000 each

GARAGE
(2986) NO. 2814 WEBSTER. One-story frame private garage.
Owner—D. O. Harrelson Jr., Premises.
Architect—H. G. Sharp, 1404 Chronicle Bldg., San Francisco.
Day's work. $800

ALTERATIONS
(2987) NO. 3120 WASHINGTON. Alter for private garage; composition roofing, etc.
Owner—C. C. Moore, 3100 Washington St., San Francisco.
Architect—None.
Day's work. $950

APARTMENTS
(2988) NW HAYES AND FRANKLIN. Three-story and basement frame (24) apartments.
Owner—O'Brien & Kiernan, Room 912, 110 Sutter St., San Francisco.
Architect—Albert W. Burgren, 110 Sutter St., San Francisco.
Contractor —Kiernan & O'Brien, 180 Jessie St., San Francisco. $40,000

ALTERATIONS
(2989) S IRWIN 100 E Eighth. Alter ground floor for offices; plumbing work, etc.
Owner—Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Day's work. $1000

RECORDED

STORE & FLAT BLDG.
(2990) S SUNNYSIDE AVE 25 W Foerster W 25xS 100. Two-story frame store and flat building.
Owner—John Seppel.
Architect—Chas. F. Strothoff, 2274 15th Street.
Contractor—Nelson Bros., 1375 Plymouth.
Filed Dec. 9, '21. Dated Dec. 9, '21.
Frame up and enclosed $1075
Brown coated 1075
Completed and accepted 1075
Usual 35 days 1075
TOTAL COST, $4300
Bond, sureties, forfeit, none; limit, 90 days. Plans and specifications filed.

ALTERATIONS
(2991) NO. 530 BROADWAY. General alterations and repairs for restaurant.
Owner—Frank Martinelli, Franklin & Chestnut Sts., San Francisco.
Architect—Chas. Fantoni, 550 Montgomery St., San Francisco.
Contractor—J. Martinelli, 1385 Mason St., San Francisco. $5000

ELECTRIC SIGNS
(2992) E MISSION 100 S Sixteenth. Erect 1 marquee and electric signs
Owner—Lachman Bros., Mission St. near 16th St., San Francisco.
Architect—None.
Contractor—Brumfield Elec. Sign Co., 18 7th St., San Francisco. $1850

ALTERATIONS
(2993) NO. 1514 O'FARRELL. Plaster front; terrazzo steps, etc., for apartments.
Owner—Abraham Blashow, Premises.
Architect—None.
Contractor—W. M. Foulkes, 179½ Geary St., San Francisco. $1500

RECORDED

STORE AND FLATS
(2994) SE TWENTY-SECOND AVE. and Balboa 32-6x100. All work except finish hardware, light fixtures and shades for frame building (store and flats).
Owner—P. and Mary J. Joyce, — 16th Ave., San Francisco.
Plans by Contractor.
Contractor—Thos. W. Jones, 3767 Army St., San Francisco.
Filed Dec. 10, '21. Dated Nov. 30, '21.
Roof on $4011
Brown coated 4011
Completed 4011
Usual 35 days 4011
TOTAL COST, $16,044
Bond, $8000. Surety, Annie M. Jones. Limit, forfeit, plans and specifications, none.
NOTE—Permit reported Nov. 17, 1921 No. 2729.

FLATS
(2995) SE ANZA & SEVENTEENTH Ave. Two-story and basement frame (4 flats.)
Owner—P. M. Midbust, 177 Caselli Ave., San Francisco.
Architect—None.
Day's work. $8000

FLATS
(2996) NE CLEMENT & TWENTIETH Ave. Two-story and basement frame (4 flats.
Owner—Strand & Strand, 614 Broderick St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. $10,000

ALTERATIONS
(2997) NO. 531 DUBOCE AVE. Raise dwelling and alter for basement garage.
Owner—Mrs. Vivian, Premises.
Architect—None.
Contractor—G. M. Merritt, 3014 Geary St., San Francisco. $500

ALTERATIONS
(2998) NO. 2322 FOLSOM. Raise (2) flats; concrete flooring, etc., for basement garage.
Owner—John Ottria, Premises.
Architect—None.
Day's work. $500

RETAINING WALL
(2999) NO. 978-986 HOWARD ST. Construct retaining wall.
Owner—Cole Investment Co., Phelan Bldg., San Francisco.
Architect—None.
Contractor—H. A. Klyce, 408 Call Bldg., San Francisco. $1000

DWELLING
(3000) NO. 134 MILTON. One-story frame dwelling.
Owner—Paula Skierka, Premises.
Architect—None.
Day's work. $800

DWELLING
(3001) NE NEWCOMB 150 SE Lane. One-story and basement frame dwelling.
Owner—R. Bothe, 1515 Railroad Ave., San Francisco.
Plans by Owner.
Day's work. $2500

ALTERATIONS
(3002) SW ORD AND SEVENTEENTH. Re-arrange store rooms for 2-room apartment.
Owner—E. H. Musin, 59 Third St., San Francisco.
Architect—N. W. Mohr.
Contractor—W. F. Lovell, 605 Waller St., San Francisco. $1450

FRAME FLATS
(3003) S CLEMENT 82-6 W 21st Ave. Two-story and basement frame (4) flats.
Owner—Harriet Berger, 261 Valencia St., San Francisco.
Architect—C. A. Berger, 261 Valencia St., San Francisco.
Day's work. $12,000

ALTERATIONS
(3004) NO. 2712 HARRISON. Raise dwelling; concrete floor, etc.
Owner—John Arbini, 358 Waller St., San Francisco.
Architect—None.
Contractor—E. K. Pearson. $900

BAKE OVENS
(3005) NO. 1283 NINTH AVE. Erect brick bake oven.
Owner—Mrs. M. Grunuth, 1283 9th Ave., San Francisco.
Architect—None.
Contractor—S. Orchard, 270 Grand View Ave., San Francisco. $1000

RESIDENCE
(3006) W TWENTY-SECOND AVE 300 S Cabrillo. Two-story and basement frame residence.
Owner—Nick Hemminga, 705 22nd Ave., San Francisco.
Architect—None.
Day's work. $4000

RECORDED

APARTMENTS
(3007) SW CALIFORNIA & JORDAN Ave 33 feet on Jordan Ave. and 95 feet on California. All work except plumbing and heating for six 4-room apartments and garage.
Owner—E. V. Lacey, 3485 21st St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—O. E. Carlson, 180 Jessie St., San Francisco.
Filed Dec. 12, '21. Dated Dec. 12, '21.
Roof on $2500
Brown coated 5000
Completed and accepted..... 5000
Usual 35 days..... 5000
TOTAL COST, $20,000
Bond, $10,000. Sureties, P. H. Bosworth and F. F. Lacey. Limit, 90 days. Forfeit, $20. Plans and specifications, none.

REPAIRS
(3008) NO. 1760-64 GEARY. Repair tar and gravel roof and fire walls; general repairs for fire damage to rooming house.
Owner—Chas. Stockwitz, 1846 Howard St., San Francisco.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco. $1000

STORE
(3009) S GEARY 61-3 E Mason. Two-story and basement concrete store.
Owner—S. Quaiman, 782 Monadnock Bldg., San Francisco.
Architect—Willis C. Lowe, 782 Monadnock Bldg., San Francisco.
Contractor—P. A. Palmer, 782 Monadnock Bldg., San Francisco. $20,000

UNDERPIN
(3010) NW JONES AND O'FARRELL. Underpin stores and hotel with 26-in. brick.
Owner—Miss Mary Pease, Los Altos, Cal
Architect—None.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco. $1085

FRAME FLATS
(3011) S GEARY 82-6 E Seventh Ave. Two-story frame store and (2) flats.
Owner—Frank Marshall.
Architect—None.
Contractor—Louis Johnson, 2260 19th Ave., San Francisco. $5800

FRAME RESIDENCE
(3012) E VALDEZ 42 N Greenwood. One-story and basement frame residence.
Owner—Walter E. Hansen, 2235 Market St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Day's work. $4000

ALTERATIONS
(3013) NO. 744 WASHINGTON. Construct brick range; close up partitions; plastering; re-arrange plumbing.
Owner—Sun Hung Hoeng, Premises.
Architect—None.
Contractor—W. J. Stevens, 180 Jessie St., San Francisco. $1500

ALTERATIONS
(3014) NO. 300-326 HAIGHT. Alterations and repairs for residence.
Owner—Joseph Affolter, 629 14th St., San Francisco.
Architect—None.
Day's work. $4000

ALTERATIONS
(3015) NO. 835-65 MARKET. Construct 'panic" entrance; Kalamine doors, etc.
Owner—The Emporium, Premises.
Architect—None.
Contractor —Dinwiddie Constr. Co., Crocker Bldg., San Francisco. $800

DWELLINGS
(3016) NE NEWCOMB 175 AND 200 SE Lane. Two one-story and basement frame dwellings.
Owner—R. Bothe, 1515 Railroad Ave., San Francisco.
Architect—None.
Day's work. $2500 each

ALTERATIONS
(3017) N RICHLAND AVE 400 E Murray. Move residence to front; cementing exterior; patch plastering, painting, etc.
Owner—C. W. Johnson, 16 Chenery St., San Francisco.
Plans by Owner.
Day's work $300

APARTMENT FLATS
(3018) W TWENTY-NINTH AVE 200 N Clement. Two-story and basement frame (4 apartment flats).
Owner—Mrs. Ella T. Valensia, 701 Taylor St., San Francisco.
Architect—Hans Adler, 1908 Webster St., San Francisco.
Contractor—Hans Adler, 1908 Webster St., San Francisco. $10,200

RECORDED

(3019) N STAPLES 90, 120, 150, 180, 210 W Foerster W 30x112-6 Ptn Blk 13, Sunnyside W Foerster 50 and 80 N Staples N 30xW 90 Ptn Blk 13, Sunnyside; W Foerster 110 N Staples N 30 W 85 S 27-6 W 5 S 2-6 E 90 Ptn Blk 13, Sunnyside; W Foerster 25 and 55 S Flood S 30 xW 85 Ptn Blk 13, Sunnyside; NW Foerster and Staples W 90xN 25 Ptn Blk 13, Sunnyside; W Foerster 25 N Staples N 25xW 90 Ptn Blk 13, Sunnyside; SW Forester and Flood Ave W 85xS 25 Ptn Blk 13, Sunnyside. All work for 13 one-story and basement frame residences.
Owner — Moneta Investment Co., 233 Pacific Bldg., San Francisco.
Architect—Owner.
Contractor—James A. Arnott & Son, 4165 20th St., San Francisco.
Filed Dec. 12, '21. Dated Dec. 8, '21.
Concrete foundation and frame work completed $10,711.25
Rough plumbing and electric work done & brown coated 10,711.25
Completed and accepted.... 10,711.25
Usual 35 days..... 10,711.25
TOTAL COST, $42,845.00
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.
NOTE—Permits reported Dec. 8, 1921 Nos. 2964, 2965 and 2968.

STORE BLDG.
(3020) S ELLIS 55 E Jones 27-6x87-6 One-story Class C store building.
Owner—G. Lachman, 3299 Washington Street.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Monson Bros., 251 Kearny St., San Francisco.
Filed Dec. 13, '21. Dated Dec. 2, '21.
Completed and accepted $4076.25
Usual 35 days 1358.75
TOTAL COST, $5435.00
Bond, none; sureties, E. T. Osborn and P. W. Mehern; forfeit, none; limit, 35 days. Plans and specifications filed.

ALTERATIONS
(3021) NO. 1198 MARKET. All work except tiling, electric wiring and finish hardware for alterations to a one-story store bldg.
Owner—Jno. C. and Jos. Seagrave, as Seagrave Bros., Premises.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.
Contractor—Fink & Schindler, 226 13th St., San Francisco.
Filed Dec. 13, '21. Dated Dec. 8, '21.
As work progresses 75%
Usual 35 days 25%
TOTAL COST, $2100
Bond, $1050; sureties, F. Klass and W. H. Kirsten; forfeit, $18; limit, $10 day. Plans and specifications filed.

DWELLING
S MONTEREY BLVD. 25 W Forester. One-story and basement frame dwelling.
Owner—John Seppel, 3801 17th St.
Architect—Chas. Strothoff, 2274 15th Street.
Contractor—Nelson Bros., 1375 Plymouth Ave. $4000
NOTE:—Recorded contract reported Dec 10, 1921, No. 2990.

APARTMENTS
(3022) W CLAYTON 85½ S Parnassus Ave. Two-story and basement frame (5) apartments.
Owner—Yates & Cooke, 124-A Parnassus Ave., San Francisco.
Architect—R. S. McNally, 23 Woodland Ave., San Francisco.
Day's work. $10,000

APARTMENTS
(3023) NE HAYES AND CENTRAL 9ve. Three-story and basement frame (2) stores and (8) apts.
Owner—Carl H. Peterson, 216 Sharon Bldg., San Francisco.
Architect—None.
Day's work. $30,000

SERVICE STATION
(3024) NW HOWARD & SIXTEENTH One-story steel service station.
Owner — Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Day's work. $1000

SERVICE STATION
(3025) SE MISSION AND EIGHTH. One-story steel service station.
Owner — Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Day's work. $1000

ALTERATIONS
(3026) NO. 2337 MISSION. Alter present store windows so as to provide depth of 16 ft.
Owner—J. Fox, 2339 Mission St., San Francisco.
Architect—None.
Day's work. $1800

SERVICE STATION
(3027) NE SACRAMENTO & LAUREL One-story steel service station.
Owner — Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Day's work. $1000

SERVICE STATION
(3028) SE TWELFTH AND MARKET One-story steel service station.
Owner — Standard Oil Co., 298 Bush St., San Francisco.
Plans by Owner.
Day's work. $1000

ALTERATIONS
(3029) NO. 2219 VAN NESS AVE. Install 6 wall beds; baths and toilets; light fixtures, etc., for apartments.
Owner—Wm. Patrick, 2221 Van Ness Ave., San Francisco.
Architect—None.
Day's work. $2500

SUN ROOM
(3030) NO. 1131 GREENWICH. Construct sun room in residence.
Owner—Mr. Wright.
Architect—T. Paterson Ross, 210 California St., San Francisco.
Contractor—Fred Miller, 225 Dolores St., San Francisco. $750

ALTERATIONS
(3031) NO. 1911 GREEN. Alter 8-room residence into (2) flats.
Owner—Joseph R. Lewis, 2200 Union St., San Francisco.
Architect—None.
Day's work. $900

ALTERATIONS
(3032) W WEBSTER 82-6 S Haight. Raise dwelling; construct foundations, plumbing, etc.
Owner — Alfred C. Kull, 141 Webster St., San Francisco.
Architect—None.
Contractor — Geo Moran, 125 Falcon Ave., San Francisco. $1500

STORE
(3033) S O'FARRELL 137-6 E Jones. One-story and basement Class C store.
Owner—Robert Ransohoff, 255 Post St., San Francisco.
Architect—Harry Michelsen, Phelan Bldg., San Francisco.
Contractor — Barrett & Hilp, Sharon Bldg., San Francisco. $8000

ADDITION
(3034) N SIXTEENTH 50 W Church. Two-story brick addition to warehouse.
Owner—R. E. Queen.
Architect—D. E. Graham, 180 Jessie St., San Francisco.
Day's work. $12,000

RECORDED

PAINTING
(3035) NW GOLDEN GATE AVE & Taylor. All work for painting Orpheum Theatre.
Owner—Junior Orpheum, San Francisco by W. S. Dinwiddie, Crocker Bldg., San Francisco.
Architect — G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor—D. Zelinsky & Sons, 420 Turk St., San Francisco.
Filed Dec. 14, '21. Dated Nov. 30, '21.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $10,000
Bond, none. Limit, April 1, 1922. Forfeit, plans and specifications, none.

APARTMENTS
S ELLIS 37 W Hyde. Four-story and basement concrete (15) apartments.
Owner—E. V. Lacey, 180 Jessie St., San Francisco.
Architect—None.
Day's work. $20,000
NOTE:—Recorded contract reported Nov. 13, 1921. No. 3007.

FRAME FLATS
(3036) N BALBOA 107-6 W Eleventh Ave. Two-story and basement frame (2) flats.
Owner—S. R. Anderson, 4002 22nd St., San Francisco.
Architect—None.
Day's work. $7000

FRAME DWELLING
(3037) W DEWEY BLVD. 650 N Pacheco. One-story and basement frame dwelling.
Owner—C. E. Reinhart, 17th & Kansas Sts., San Francisco.
Architect—None.
Contractor—H. C. Lewis, 68 Post St., San Francisco. $6000

FRAME FLATS
(3038) S LYON 51 E Filbert. Two-story and basement frame (2) flats
Owner—A. B. Harrison, 152 Montgomery St., San Francisco.
Architect—None.
Contractor—Emil Nelson, 4835 Geary St., San Francisco. $8000

ALTERATIONS
(3039) NO. 15 HOLLOWAY AVE. Raise dwelling 4 ft., construct concrete foundations, floor, etc.
Owner—Mrs. Cornelius, 37 Holloway Ave., San Francisco.
Architect—None.
Contractor—F. P. McInnis, 9 Granada Ave., San Francisco. $1700

RESIDENCE
(3040) NW LAKE AND THIRTIETH Ave. Two-story and basement frame residence.
Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Day's work. $10,000

RESIDENCE
(3041) N LAKE 60 W Twenty-ninth Ave. Two-story and basement frame residence.
Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Day's work. $10,000

SHOP
(3042) E CROOK 77-6 W Townsend. One-story frame metal shop.
Owner—R. McMillan, 398 15th Ave., San Francisco.
Architect—None.
Day's work. $4000

REPAIRS
(3043) NO. 128-132 EDDY. Repair fire damage.
Owner — Mary Tuombly, 86 Post St., San Francisco.
Architect—None.
Contractor—H. D. Nichol, 1381 Stevenson St., San Francisco. $500

RECORDED

FRAME FLATS
(3044) E ASHBURY 125 S Fulton S 25xE 100. All work for two-story and basement frame flat building.
Owner—Morton T. and Pauline Kresteller, 1840 Grove St., S. F.
Architect—A. M. Hardy, 6217 California St., San Francisco.
Contractor—Arthur M. Hardy, 6217 California St., San Francisco.
Filed Dec. 15, '21. Dated Dec. 12, '21.
Enclosed and roof on.....$3417.50
Brown coated 3417.50
Completed and accepted..... 3417.50
Usual 35 days..... 3417.50
TOTAL COST, $13,670.00
Bond, $6835. Surety, Fidelity & Deposit Co. of Maryland. Limit, 100 days after Dec. 14, 1921. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(3045) NE HOWARD AND FIFTH S 155 to — Tehama by E 100. Concrete for alterations to curb, wall and sidewalk at company's garage.
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—None.
Contractor—Mission Concrete Co., Call Bldg., San Francisco.
Filed Dec. 15, '21. Dated Dec. 8, '21.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, $1749
Bond, $875. Surety, Fidelity & Deposit Co. of Maryland. Limit, 20 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Nov. 19, 1921, No. 2762.

FRAME FLATS
(3046) W TENTH AVE between Geary and Clement. All work except heating for one 2-family dwelling (2 5-room flats).
Owner—A. G. Lafitte, 340 Anza St., San Francisco.
Plans by Contractor.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St., San Francisco.
Filed Dec. 15, '21. Dated Dec. 2, '21.
Frame up $2250
Brown coated 2250
Completed 2250
Usual 35 days..... 2250
TOTAL COST, $9000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications. none.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Dec. 15, 1921—E MISSION 210 N 19th E 122-6xN 30, No. 2255-57 Mission. Olga and M J Zeller to Barrett & Hilp.....Dec. 1, 1921
Dec. 15, 1921—W TWENTY-SECOND Ave 250 S Cabrillo S 50xW 120. John Gray to Theodore G & Rollin E Meyer.....Dec. 15, 1921
Dec. 15, 1921—N WASHINGTON 110 E Divisadero W 55xN 137-6. B S Berry to whom it may concern.. .....Dec. 15, 1921

Dec. 15, 1921—N FULTON 107-6 E 17th Ave 25x100. Arthur Stevens to whom it may concern. Dec. 8, 1921

Dec. 14, 1921—BLK BDED BY THIRD, Fourth, Berry and Channel. Southern Pacific Co. Warehouses. Southern Pacific Co to Jos Laib Jr.... .....Dec 14, 1921

Dec. 14, 1921—S GEARY 82-6 E Funston Ave 25x100. Emil Nelson to whom it may concern..Dec. 14, 1921

Dec. 14, 1921—W HYDE 71 S Filbert. Solomon Harris to whom it may concern.....Dec 14, 1921

Dec. 14, 1921—E FUNSTON AVE 50 S Geary 25x82-6. Emil Nelson to whom it may concern..Dec. 14, 1921

Dec. 14, 1921—LOT 5 BLK 3109, Westwood Park. Hans and Esther Nelson to Nelson Bros....Dec. 12, 1921

Dec. 14, 1921—LOT 9 BLK 3109 Westwood Park. Hans and Esther E Nelson to Nelson Bros...Dec. 12, 1921

Dec. 14, 1921—LOT 7 BLK 3109, Westwood Park. Hans and Esther Nelson to Nelson Bros.....Dec. 12, 1921

Dec. 14, 1921—LOT 3 BLK 3109, Westwood Park. Hans and Esther E Nelson to Nelson Bros..... .....Dec. 12, 1921

Dec. 14, 1921—SE ACADEMY 30 NE Charles NE 32 S 76° 04' E 94 m or l SW along SE line Lot 27, 32 m or l to pt S 76° 04' E from pt of beg. N 76° 04' W 94 m or l to beg ptn Lots 27 to 30 Blk 17, Fairmont Tct Alfred E Hind to whom it may concern .....Dec. 9, 1921

Dec. 14, 1921—SW LAPIDGE AND 18th W 93-8¾xS 95. Mission Turn Verein, Inc to John Diestel..... .....Dec 10, 1921

Dec. 14, 1921—NW LOMBARD AND Fillmore, No. 3301 Fillmore. J Palacin to John Morton. Dec. 13, '21

Dec. 14, 1921—BLK BDED BY 3rd, 4th, Berry and Channel (Channel St. Side). Southern Pacific Co to Jos Laib Jr.....Dec. 14, 1921

Dec. 14, 1921—BLK BDED BY 3rd, 4th, Berry and Channel (3rd, 4th and Berry Sts. Sides). Southern Pacific Co to Jos Laib Jr..Dec. 14, '21

Dec. 13, 1921—PTN LOTS 3 AND 4 Blk 2, Forest Hill. C E Reinhart to whom it may concern..... .....Dec. 13, 1921

Dec. 13, 1921—S MISSION 80 E 7TH E 25 x S 85. Louis R Lurie to Vukicevich & Bagge .....Dec. 12, 1921

Dec. 12, 1921—S TURK 87-6 W Leavenworth W 50xS 87-6. Louis R Lurie to I M Sommer & Co..... .....Dec. 10, 1921

Dec. 12, 1921—S TURK 87-6 W Leavenworth. Louis R Lurie to I M Sommer & Co.....Dec. 10, 1921

Dec. 12, 1921—W GOUGH 87-6 S Filbert 25x100. Ferdinand Virgilio to whom it may concern..Dec. 12, 1921

Dec. 12, 1921—W BRANNAN & ZOE No. 440 Brannan. E E Johnson, Mrs. Read and E E Kelly to John Diestel.....Dec. 3, 1921

Dec. 12, 1921—W MONTGOMERY 75 N Post W 160xN 100. The First National Bank of S F to J Spargo. .....Dec. 9, 1921

Dec. 12, 1921—N CLAY 88-6 W POLK W 35 x N 63-10½. Dimmer Hardware Co to A Reinaudo. Dec. 10 1921

Dec. 12, 1921—E BRONTON AVE 100 S Chenery. Antonio Draga to whom it may concern ..Dec. 12, 1921

Dec. 12, 1921—S CHENERY 125 N Lippard. Paulo Priolo to A Draga .....Dec. 12, 1921

Dec. 12, 1921—S BALBOA 90 W 17th Ave 40 x 100. Chris Peterson to whom it may concern..Dec. 12, 1921

Dec. 12, 1921—SW CABRILLO AND 22nd Ave W 82-6 x 22 on 22nd Ave. Nicholas Hemminga to whom it may concern .....Dec. 12, 1921

Dec. 8, 1921—E NAPLES N 29° 22' E 325 from intersection SE Naples and NE Geneva Ave N 29° 22' E 30 S 60° 38' E 100.423 S 29° 22' W 30 N 60° 38' W 100.423 to beg ptn Lots 18, 19, 20 and 21 Blk 17 Crocker Amazon. [illegible] Estate Co to Adm. M Sandelson .....Dec. [illegible] 1921

Dec. 9, 1921—W MONTGOMERY [illegible] Post W 160xN 100. The First Nat'l Bank of San Francisco to J M Keefe. American Marble & Mosaic Co. Scott Co and Wm Hess [illegible] .....Dec. [illegible]

Dec. 9, 1921—S CARL 37-6 W Stanyan W 25xS 100. [illegible] W O'Neill to Jack [illegible] .....Dec. [illegible]

Dec. 9, 1921—NO [illegible] Post [illegible] Whistle Co to [illegible] .....Dec. [illegible]

Dec. 9, 1921—W TWENTY-[illegible] Ave 75 S Cabrillo S [illegible] Gustave Moeller to [illegible] Rollin E Meyer .....Dec. [illegible]

Dec. 9, 1921—NW LAKE [illegible] Ave 30x72. Elizabeth [illegible] whom it may concern..Dec. [illegible]

Dec. 9, 1921—W TWENTY-[illegible] Ave 75 S Cabrillo S [illegible] Gustave Moeller to Thomas [illegible] Rollin E Meyer.....Dec. [illegible]

Dec. 9, 1921—FIRST AND BRANNAN Railroad's Oriental Warehouse [illegible] Southern Pacific Co to F D [illegible] .....Nov. [illegible]

Dec. 9, 1921—N JACKSON 72-6 W Laurel W 2-6xN 127-8½. N [illegible] 75 W Laurel W 32-6 N 127 [illegible] Ernest L McCormick to W [illegible] can Co .....Dec. [illegible]

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Dec. 12, 1921—E YORK 32-6 N [illegible] N 37-6xE 100. John B Surdiacourt vs M Descalzo and [illegible] .....[illegible]

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Dec. 14, 1921—SE BALBOA [illegible] Funston Ave S 27x[illegible] Reinhart Lumber & Planing Mill Co to Carmen E de Herrerias.....[illegible]

Dec. 12, 1921—S WASHINGTON 106-3 E Laeng E 25 x S 127-8½. Wm O Purdy to [illegible] ningham .....$[illegible]

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Dec. 14, 1921—NW HOOPER [illegible] Eighth NE 50x[illegible] Estate Co as to improvements on property .....[illegible]

Dec. 13, 1921—N 18TH [illegible] E Dolores E 30 x N 122 [illegible] A Browne as to improvements on property .....[illegible]

Dec. 12, 1921—SE SUTTER & POLK E 137-6 x S 120. East Side Investment Co. as to improvements on property .....[illegible]

Dec. 9, 1921—SW WASHINGTON [illegible] Battery. [illegible] ington St and [illegible] Louisa M Holding [illegible] provements on property [illegible]

RELEASE OF BUILDING CONTRACT

SAN FRANCISCO COUNTY

Dec. 14, 1921—NW GEARY AND Second Ave. Ulrich F Remensperger with A W [illegible] & de Bork and [illegible] (S. F. News Continued [illegible] Page 3

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the [illegible] for this issue:

[illegible]	Owner	Contractor	Amt.
[illegible]	Waterbury	Coulter	425
[illegible]	Marquis	Owner	5000
[illegible]	Dexter	Owner	3500
[illegible]	Clark	Peters	2000
4398	Coit	Coit	19800
4399	Hansen	Coit	5000
[illegible]	Baumann	Owner	2600
[illegible]	Demosa	Mullen	4685
[illegible]	Lyon	Ellery	4800
4403	Leonardini	Bradhoff	4460
[illegible]	[illegible]	Marshall	18500
[illegible]	[illegible]	Sommarstrom	6950
4406	Flanter	Wintaner	1300
4407	Karsten	Meracle	2800
[illegible]	Manzie	Hendrickson	4000
4409	Arthur	Owner	3500
4410	Kelmar	Kelmar	3500
4411	Moonoverich	Fleisher	1000
[illegible]	[illegible]	Owner	1000
[illegible]	[illegible]	Owner	5200
[illegible]	[illegible]	Same	4700
4415	Same	Same	13800
[illegible]	[illegible]	Same	4700
[illegible]	[illegible]	Same	4500
4418	Story	Owner	2000
4419	Sidey	Goth	4000
[illegible]	[illegible]	Jordan	4000
4421	Green	Jones	450
[illegible]	[illegible]	Owner	3500
4423	Hansen	Owner	500
[illegible]	Van Ness	Owner	2000
[illegible]	[illegible]	Owner	2500
[illegible]	Hoogy	Williams	800
4427	Calkins	Roemer	5800
4428	Rathovich	Orton	500
[illegible]	[illegible] Van Winkle	Cauff	4000
[illegible]	Ames	Roski	850
[illegible]	Thornton	Owner	3000
4432	Scatchler	Brennan	1000
4433	Lehman	Owner	4300
[illegible]	[illegible]	Broadhead	3800
4435	Spohm	Owner	2000
4436	Stillwell	Wiser	5000
4437	Hare	Owner	7000
4438	Pavert	Owner	11700
4439	Fink	Owner	7500
[illegible]	Merritt	Allen	2246
4441	Sanitary	Nelson	16500
[illegible]	[illegible]	Stuart	4000
4443	Thomas	Bullock	749
4444	Spuller	Peterson	6477
4445	Calkins	Roemer	6224
[illegible]	[illegible]	Clinton	80133
4447	Fourth Ch. C. S.	Hillam	3832
[illegible]	"	Christensen	1208
[illegible]	"	Mission	18058
[illegible]	"	Wade	1646
[illegible]	"	Ideal	2808
[illegible]	"	Gordon	1281
[illegible]	"	Kimball	886
4454	Van Meter	Owner	1500
[illegible]	[illegible]	Conde	3000
[illegible]	[illegible]	Gaba	1500
[illegible]	[illegible]	Owner	600
[illegible]	[illegible]	Irish	5000
[illegible]	[illegible]	Owner	7000
[illegible]	[illegible]	[illegible]	3000
[illegible]	[illegible]	Bullock	800
[illegible]	[illegible]	Moe	450
[illegible]	[illegible]	Owner	1500
[illegible]	[illegible]	Arnett	450
[illegible]	[illegible]	[illegible]	6045
[illegible]	[illegible]	Owner	7000
[illegible]	[illegible]	Ahnefeld	12000
[illegible]	[illegible]	Conde	2950
[illegible]	[illegible]	Garello	400
[illegible]	[illegible]	Jackson	498
[illegible]	[illegible]	Fitting	500
[illegible]	[illegible]	[illegible]	800
[illegible]	[illegible]	Plexer	4000
[illegible]	[illegible]	Clarke	8725
[illegible]	[illegible]	Leiter	34000
[illegible]	[illegible]	Nall	750
[illegible]	[illegible]	Fennel'y	2500
[illegible]	[illegible]	Owner	400
[illegible]	[illegible]	[illegible]	4150

PLACIES

[illegible] KILLEY WAY, [illegible] Repair

Owner—Agnes R. Waterbury, Prem.
Architect—None.
Contractor—M. E. Coulter. $425

DWELLINGS
(4395) W HENRY 170 and 205 N Cedar, Berkeley. Two one-story 5-room dwellings.
Owner—P. E. Marquis, 1023 Oxford St., San Francisco.
Architect—None.
Day's work. $3000 each

SHOP
(4396) S 55TH ST 80 E Genoa St., Oakland. One-story tile shop.
Owner—A. H. Dexter, 839 55th St., Oakland.
Architect—None.
Day's work. $3500

GARAGE
(4397) 1530 HARRISON ST., Oakland. One-story tile garage.
Owner—G. H. Clark.
Architect—None.
Contractor—Peters & Hodgins, 184 Ridgeway, Oakland. $2000

APARTMENTS
(4398) E LAKESHORE AVE 450 N E-14th St., Oakland. Three-story 24-room apartments.
Owner—Coit Investment Co., 306 14th St., Oakland.
Architect—None.
Contractor—Roger Coit, 306 14th St., Oakland. $19,800

DWELLING
(4399) N SANTA RAY 350 E Calmar Ave., Oakland. One-story 6-room dwelling.
Owner—B. S. Hansen.
Architect—None.
Contractor—Coit Investment Co., 306 14th St., Oakland. $5000

DWELLING
(4400) E SEVENTY-SEVENTH AVE 180 N Hillside, Oakland. One-story 5-room dwelling.
Owner—Fred Baumann, 2000 45th Ave., Oakland.
Architect—None.
Day's work. $2600

ADDITION
(4401) NW THIRD AVE & E-EIGHTH St., Oakland. Addition.
Owner—D. Dellossa.
Architect—None.
Contractor—Mullen & La Voie, 265 9th St. Oakland. $4685

DWELLING
(4402) S WELLINGTON 100 E Park Blvd., Oakland. One-story 6-room dwelling.
Owner—Miss Lynch, 2920 Nicol Ave., Oakland.
Architect—None.
Contractor—Ellery & Foott, 4134 Redding St., Oakland. $4800

RECORDED

DWELLING
(4403) SE LOT 3 BLK "E" Map Vernon Park 49x100, Oakland. All work for one-story dwelling.
Owner—J. J. Leonardini, Oakland.
Architect—None.
Contractor—C. O. Bradhoff, 911 55th St., Oakland.
Filed Dec. 9, '21. Dated Dec. 8, '21.
Roof sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $4460
Bond, none. Limit, 90 days after Dec. 10. Forfeit, none. Plans and specifications filed.

GARAGE
(4404) E HARRISON 650 N 14th, Oakland. One-story concrete and tile garage.
Owner—Alliance Land Co.
Architect—None.
Contractor—W. C. Marshall, Bacon Bldg., Oakland. $18,500

DWELLING
(4405) SE ERIE AND WELDON AVE., Oakland. Two-story 8-room dwlg.
Owner—Esther W. Hall, Hillcrest Apts. Oakland.
Architect—None.
Contractor — Sommarstrom Bros. Co., 306 14th St., Oakland. $6950

DWELLING
(4406) 912 BANCROFT WAY, Berkeley. One-story 3-room dwelling.
Owner—A. Flanter, 1200 Masonic Ave., Berkeley.
Architect—None.
Contractor—Carl Wintaner, 1200 Masonic Ave., Berkeley. $1300

DWELLING
(4407) 1729 BLAKE ST., Berkeley. One-story 5-room dwelling.
Owner—Geo. Karsten, 1723 Roosevelt, Berkeley.
Architect—None.
Contractor—J. S. Meracle, 5105 Miles Ave., Oakland. $2800

DWELLING
(4408) E COLUSA 600 Garfield Ave., Berkeley. One-story 6-room dwelling.
Owner—Albert Manzie.
Architect—None.
Contractor—A. Hendrickson, 755 60th St., Oakland. $4000

DWELLING
(4409) 1744 McGEE, Berkeley. One-story 5-room dwelling.
Owner—Chas. E. Arthur, 1552 McGee, Berkeley.
Architect—None.
Day's work. $3500

DWELLING
(4410) S PRINCE 240 E Dana, Berkeley. One-story 5-room dwelling.
Owner—Albert Kelmar, 3099 Telegraph, Berkeley.
Architect—None.
Contractor—A. and P. Kelmar, 3099 Telegraph, Berkeley. $3500

ALTERATIONS
(4411) 2805 REGENT ST., Berkeley. Alter dwelling to flats.
Owner—Mrs. Moonoveich, Premises.
Architect—None.
Contractor—Chas. Fleischer, 2032 Bancroft, Berkeley. $1000

ALTERATIONS
(4412) NW COR UNIVERSITY AND Shattuck, Berkeley. Alterations.
Owner—S. B. Hoy, 2086 University Ave., Berkeley.
Architect—Geo. Rushforth, 354 Pine St., San Francisco.
Day's work. $1000

DWELLING
(4413) S CAVANAUGH ROAD 116 E Barrows Road, Oakland. Two-story 6-room dwelling.
Owner — J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $5200

DWELLING
(4414) S CAVANAUGH ROAD 176 E Barrows Road, Oakland. One-story 6-room dwelling.
Owner — J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4700

DWELLINGS
(4415) S CAVANAUGH ROAD 145, 195 and 245 W Creed Road, Oakland. Three one-story 6-room dwellings.
Owner — J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4600 each

DWELLING
(4416) S CAVANAUGH ROAD 295 W Creed Road, Oakland. One-story 6-room dwelling.
Owner — J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4700

DWELLING
(4417) W KINGSLAND AVE 82 W Rawson Ave., Oakland. One-story 4-room dwelling.
Owner — J. B. Peppin, 86 Cambridge Ave., San Leandro.
Architect—None.
Day's work. $4500

DWELLING
(4418) E AUSEON AVE 125 S Dowling, Oakland. One-story 4-room dwelling.
Owner—Martin L. Story, 1637 96th Ave., Oakland.
Architect—None.
Day's work. $2000

DWELLING
(4419) W ACTON PLACE 100 S Lester Ave., Oakland. One-story 5-room dwelling.
Owner—J. A. Sidey, 251 Acton Place, Oakland.
Architect—None.
Contractor—T. R. Goth, 317 Hanover Ave., Oakland. $4000

DWELLING
(4420) E BROADWAY 75 S Ocean View Drive, Oakland. One-story 6-room dwelling.
Owner—Lora Jordan, 436 50th St., Okd.
Architect—None.
Contractor — Jordan & Zeile, 5044 Broadway, Oakland. $4000

ADDITION
(4421) NO. 30 CROXTON AVE., Oakland. Addition.
Owner—M. Green.
Architect—None.
Contractor—Jones & Hamilton, 562 24th St., Oakland. $450

DWELLING
(4422) N EVANS AVE 150 E Wellington, Oakland. One-story 6-room dwelling.
Owner—J. H. Zook, 4105 Montgomery St., Oakland.
Architect—None.
Day's work. $3500

SHOP
(4423) N E-TWENTY-THIRD 117 E 19th Ave., Oakland. One-story shop
Owner—J. D. Hansen, 2302 19th Ave., Oakland.
Architect—None.
Day's work. $500

DWELLING
(4424) N HOPKINS 142 W Wilson Ave., Oakland. One-story 4-room dwelling.
Owner—L. E. Van Ness, Box 433-A R. F. D. No. 1, Oakland.
Architect—None.
Day's work. $3000

ALTERATIONS
(4425) MILLS COLLEGE, Oakland. Alterations and repairs.
Owner—Mills College.
Architect—None.
Day's work. $2500

DWELLING
(4426) W MAYBELLE AVE 375 S Bayo St., Oakland. One-story 4-room dwelling.
Owner—W. D. Hooey, 743 36th St., Oakland.

Architect—None.
Contractor—G. O. Williams, 569 59th St., Oakland. $880

DWELLING
(4427) S ROSEMONT ROAD intersection Sunnyhill Road, Oakland. One-story 4-room dwelling.
Owner—Dr. J. W. Calkins, 312 Broadway Apts., Oakland.
Architect — Maybeck & White, Lick Bldg., San Francisco.
Contractor—Fred A. Roemer, 318 Fair Oaks St., San Francisco. $5800

DWELLING
(4428) E SIXTY-EIGHTH AVE 300 N Trenor, Oakland. One-story two-room dwelling.
Owner—M. Rathovich, 3338 68th Ave., Oakland.
Architect—None.
Contractor—A. Orton & Co., 3336 68th Ave., Oakland. $500

WAREHOUSE
(4429) E WEST bet. 22nd and 23rd Sts., Oakland. One-story warehouse.
Owner—Rip Van Winkle Wall Bed Co., 2344 Webster St., Oakland.
Architect—None.
Contractor — California Builders Co., 1534 Franklin St., Oakland. $4000

ADDITION
(4430) NO. 821 WAWONA AVE., Oakland. Addition.
Owner—Mrs. J. P. Ames.
Architect—None.
Contractor—Matt L. Koski, 35 Ramona Ave., Oakland. $850

MILL
(4431) NW FIRST AND CEDAR STS., Berkeley. One-story mill.
Owner—Henry P. Thornton, 1822 Oakland Ave., Piedmont.
Architect—None.
Day's work. $3000

GARAGE
(4432) NO. 98 HILLCREST, Berkeley. Concrete garage.
Owner—N. Scatchler, Premises.
Architect—None.
Contractor—J. P. Brennan, 1519 Hearst Ave., Berkeley. $1000

DWELLING
(4433) N TACOMA 250 W Colusa, Berkeley. One-story 6-room dwelling.
Owner—John Lehman, 959 Apgar St., Oakland.
Architect—None.
Day's work. $4300

DWELLING
(4434) NO. 2016 VINE ST., Berkeley. One-story 5-room dwelling.
Owner—B. B. Broadhead, 864 57th St., Oakland.
Architect—None.
Contractor—F. Broadhead, 864 57th St., Oakland. $3800

ALTERATIONS
(4435) 835 ARLINGTON AVE., Oakland. Alterations.
Owner—W. E. Spohn.
Architect—None.
Day's work. $2000

DWELLING
(4436) N BLVD WAY 300 E Grand Ave., Oakland. One-story 6-room dwelling.
Owner—H. K. Stillwell.
Architect—None.
Contractor—Gordon Wiser, Berkeley. $5000

FLATS
(4437) W KEMPTON AVE 375 S Fairmount Ave., Oakland. Two-story 11-room flats.
Owner—Horace E. Hare, Bank of Italy Bldg., Oakland.
Architect—None.
Day's work. $7000

DWELLINGS
(4438) S MENDOCINO AVE 116-161 W Prospect Dr., Oakland. Two-1-story dwellings.
Owner—R. J. Pavert, 1st Natl. Bank Bldg., Berkeley.
Architect—None.
Day's work. $5750 and $5950

DWELLING
(4439) N ROSAL 100 E Santa Ray, Oakland. Two-story 7-room dwelling.
Owner—J. D. Fink, 944 Grand Ave., Oakland.
Architect—None.
Day's work. $7500

REPAIRS
(4440) 802 7TH ST., Oakland. Fire repairs.
Owner—James and Ruth Merritt, 319 Clay St., Oakland.
Architect—None.
Contractor—F. E. Allen, 2718 Rebent St., Berkeley. $2246

POWER HOUSE
(4441) SW COR 26TH & LINDEN STS., Oakland. One-story concrete and steel power house.
Owner—Sanitary Ice & Storage Co., 26th and Chestnut Sts., Oakland.
Architect—John Carson, 50 Yosemite Ave., Oakland.
Contractor—Nelson & Forsyth, Easton Bldg., Oakland. $16,500

DWELLING
(4442) E ZORAH 50 S Cleveland, Oakland. One-story 5-room dwelling.
Owner—A. K. Goodmundson, 22nd and San Pablo, Oakland.
Architect—None.
Contractor—B. A. Stuart, 437 Perkins St., Oakland. $4000

RECORDED

FIRSTCLASS JOB
(4443) SE TENTH AND JACKSON, Oakland. **Firstclass job.**
Owner—Mary D. Thomas, Oakland.
Architect—None.
Contractor—O. M. Bullock, 303 Hudson St., Oakland.
Filed Dec. 13, '21. Dated Dec. 12, '21.
Completed ..... ½
30 days after .....Balance
TOTAL COST, $749
Bond, none. Limit, 40 days. Forfeit, $10. Plans and specifications, none.

APARTMENTS
(4444) LOT 4 BLK "B" Map Fourth Avenue Park, Oakland. All work except grading, fences, garage, painting, wall paper, tinting, finish hardware, light fixtures and shades for two-story frame apartments.
Owner—L. J. and H. S. Spuller, Bkly.
Architect —Frederick Soderberg, City Hall, Oakland.
Contractor — Alfred Peterson, 3918 Lindwood Ave., Oakland.
Filed Dec. 13, '21. Dated Dec. 12, '21.
Sheathed $1619
Brown coated 1619
Completed and accepted..... 1619
Usual 35 days..... 1620
TOTAL COST, $6477
Bond, none. Limit, 75 days. Forfeit, $5. Plans and specifications filed.

DWELLING
(4445) S ROSEMONT ROAD inter Sunnyhill Road, being Lot 19 Blk 12, Lakeshore Highlands, Oakland. One-story dwelling.
Owner—J. Wilbur Calkins, 312 Broadway Apartments, Oakland.
Architect—B. R. Maybeck, Lick Bldg., San Francisco.
Contractor—Fred A. Roemer, 318 Fair Oaks St., San Francisco.
Filed Dec. 13, '21. Dated Dec. 8, '21.
10th day of each month 75%
Usual 35 days..... 25%
TOTAL COST, $6224
Bond, $3112; surety, National Surety Co.; forfeit, none; limit, 90 days. Plans and specifications filed.
NOTE:—Permit reported Dec. 13, 1921, No. 4427.

STUDENT UNION BLDG.
(4446) UNIVERSITY OF CALIFORNIA Grounds, Berkeley. Concrete work and waterproofing for Student Union Building.
Owner—The Regents of U. C. of Calif.
Architect — John Galen Howard, 1st National Bank Bldg., S. F.
Contractor — Clinton Constr. Co., 140 Townsend St., San Francisco.
Filed Dec. 13, '21. Dated Nov. 23, '21.
Each month 75%
Usual 35 days..... 25%
TOTAL COST, $80133
Bond, $40,100. Surety, Globe Indemnity Co. Limit, 125 days. Forfeit, $50. Plans and specifications filed.

LATHING AND PLASTERING
(4447) SE BOULEVARD 375 NE 12th St. NE 100 SE 160.49 SW 81.18 NW 158.19 being Lot 30 and ptn Lots 20, 31, 28 and 29 Blk 162 Map Ppty. Alameda Land Co., Oakland. Lathing and plastering for Class C church.
Owner — Fourth Church of Christ Scientist in Oakland.
Architect—Carl Werner, Humboldt Bk. Bldg., San Francisco.
Contractor — A. J. Hillam, 2280 47th Ave., Oakland.
Filed Dec. 13, '21. Dated Dec. 9, '21.
On 1st day of each month.... 75%
Usual 35 days..... 25%
TOTAL COST, $3832
Bond, $1916. Sureties, Geo. A. Schuster and J. D. McTeer. Limit, 30 days. Forfeit, $10. Plans and specifications filed.

(4448) PATENT ROLLER PARTITIONS on above.
Contractor—Chas. Christensen Co., 351 12th St., Oakland.
Filed Dec. 13, '21. Dated Dec. 9, '21.
Payments same as above.....
TOTAL COST, $1208
Bond, $604. Surety, Edward J. Thomas Limit, 30 days. Forfeit, $10 a day. Plans and specifications filed.

(4449) EXCAVATION, CONCRETE, carpenter, roofing, glazing, tile, sheet metal, wrought iron, stair, mill work on above.
Contractor—Mission Concrete Co., Inc., Call Bldg., San Francisco.
Filed Dec. 13, '21. Dated Dec. 9, '21.
Payments same as above.....
TOTAL COST, $18,058
Bond, $9029. Sureties, John Cassaretto and J. S. Guerin & Co. Limit, 120 days. Forfeit, $10. Plans and specifications filed.

(4450) PLUMBING & GAS FITTING on above.
Contractor—Wade & Miller, 3345 17th St., San Francisco.
Filed Dec. 13, '21. Dated Dec. 9, '21.
Payments same as above.....
TOTAL COST, $1646
Bond, $823. Surety, Fred Braun. Limit, 30 days. Forfeit, $10. Plans and specifications filed.

(4451) HEATING & VENTILATING on above.
Contractor—Ideal Heating & Eng. Co., 1756 Mission St., San Francisco.
Filed Dec. 13, '21. Dated Dec. 9, '21.
Payments same as above.....
TOTAL COST, $2808
Bond, $1404. Sureties, R. J. O'Brien & T. F. Kiernan. Limit, 30 days. Forfeit, $10. Plans and specifications filed.

(4452) PAINTING ON ABOVE.
Contractor—C. E. Gordon, 180 Jessie St., San Francisco.
Filed Dec. 13, '21. Dated Dec. 9, '21.
Payments same as above.....
TOTAL COST, $1281
Bond, $641. Surety, Harrison Barto. Limit, 30 days. Forfeit, $10. Plans and specifications filed.

(4453) ELECTRIC WORK ON ABOVE
Contractor—Kimball Electric Co., 526 13th St., Oakland.
Filed Dec. 13, '21. Dated Dec. 9, '21.
Payments same as above.....
TOTAL COST, $886
Bond, none. Limit, none. Forfeit, $10. Plans and specifications filed.

ALTERATIONS
(4454) NO. 2426 FULTON ST., Berkeley. Alterations and additions.
Owner—C. L. Van Meter, Premises.
Architect—None.
Day's work. $1500

DWELLING
(4455) N ARLINGTON 40 E Los Angeles, Oakland. One-story 5-room dwelling.
Owner—H. Schlutias, 5819 San Pablo Ave., Oakland.
Architect—None.
Contractor—P. J. Conde, 5580 Vallejo St., Oakland. $3000

FLATS
(4456) E COLLEGE AVE 50 N Taft Ave., Oakland. One-story 2-room flats.
Owner — Mrs. E. S. Lamberson, 5478 College Ave., Oakland.
Architect—None.
Contractor—J. W. Gaba, 5535 Hermosa Ave., Oakland. $1500

DWELLING
(4457) FRUITVALE EXTENSION, Oakland. One-story 3-room dwlg.
Owner—Wm. Nide, 3942 Randolph Ave., Oakland.
Architect—None.
Day's work. $600

DWELLING
(4458) SW FIFTY-FIFTH AVE AND El Camile, Oakland. One-story 6-room dwelling.
Owner—Frank L. Huff, 1182 18th St., Oakland.
Architect—None.
Contractor—H. E. Irish, 2214 Clement Ave., Oakland. $5000

DWELLINGS
(4459) W MANILA 36 AND 77 N 45th St., Oakland. Two one-story 5-room dwellings.
Owner—Whalen & Carlos, Federal Bldg., Oakland.
Architect—None.
Day's work. $3500 each

DWELLING
(4460) S PLEASANT VALLEY AVE 350 E Piedmont Ave., Oakland. One-story 5-room dwelling.
Owner—M. Graban, 185 Belvedere St., San Francisco.
Architect—None.
Contractor—M. P. Brasch, 3068 Broadway, Oakland. $3000

STORE
(4461) SE TENTH AND JACKSON, Oakland. One-story store.
Owner—Mrs. Thomas, 10th and Jackson Sts., Oakland.
Architect—None.
Contractor—O. M. Bullock, 510 18th St., Oakland. $800

ALTERATIONS
(4462) SE TWELFTH AND CLAY, Oakland. Alterations.
Owner—Redlick Furniture Co., Prem.
Architect—None.
Contractor—H. A. Moe, 4116 Allendale Ave., Oakland. $450

BOILER ROOM
(4463) S THIRTY-SEVENTH 200 W Grove, Oakland. Boiler room.
Owner—Jersey Milk, Cream & Butter Co., Premises.
Architect—None.
Day's work. $1500

DWELLING
(4464) S WINCONSIN 120 W Midvale, Oakland. One-story 2-room dwlg.
Owner—Anton Berneker, 3329 Wisconsin St., Oakland.
Architect—None.
Contractor—Val Arnett, 4033 Whittle Ave., Oakland. $450

RECORDED

DWELLING
(4465) LOT 20 BLK 8, Rock Ridge Park, Oakland. All work for two-story dwelling.
Owner—C. A. and Charlotte T. Wood, 151 12th St., Oakland.
Architect—None.
Contractor — Victor R. Gede, 5363 Locksley Ave., Oakland.
Filed Dec. 14, '21. Dated Sept. 27, '21.
Ratters in place..... ¼
Brown coated ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $6045
Bond, $3000. Sureties, Henry Gede and W. W. Randall. Limit, 75 days. Forfeit, $2. Plans and specifications filed.

FLATS
W PARK BLVD. 125 N Wellington, Oakland. Two-story 9-room flats.
Owner—L. J. and H. S. Spuller, 1942 Channing St., Berkeley.
Architect—Fred Soderberg, 275 Perkins St., Oakland.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland. $7500
NOTE:—Recorded contract reported Dec. 14, 1921, No. 4444.

DWELLINGS
(4466) No. 2614-2618 WASHINGTON ST., Alameda. Two 1-story dwellings.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. $3500 ea.

DWELLINGS
(4467) W CHESTNUT, 38, 110, 175, 215 S HEARST, Berkeley. Four 1-story 5-room dwellings.
Owner—D. P. Brown.
Architect—None.
Contractor—Harry Ahnefeld, 2123 Parker St., Berkeley. $3000 ea.

DWELLING
(4468) SE COR. CEDAR AND STANNAGE, Berkeley. One-story 4-rm. dwelling.
Owner—D. Garello, 1424 Stannage, Berkeley.
Architect—None.
Contractor—Cisero & Rainery, 858 42nd St., Oakland. $2950

ADDITION
(4469) 901 HEARST AVE., Berkeley. Addition.
Owner—L. Euniberti, premises.
Architect—None.
Contractor—P. Garelli, 870 47th St., Oakland. $450

ALT. TO SIDEWALKS LIGHTS
(4470) NE COR. BROADWAY AND ELEVENTH ST., Oakland. Alt. to sidewalk lights.
Owner—Bank of Italy.
Architect—None.
Contractor—P. H. Jackson & Co., 237 First St., S. F. $498

ADDITION
(4471) No. 5851 BIRCH COURT, Oakland. Addition.
Owner—W. Shea.
Architect—None.
Contractor—H. C. Pfrang, 5659 College Ave., Oakland. $500

REPAIRS
(4472) No. 7112 E. FOURTEENTH ST., Oakland. Repairs.
Owner—A. P. Pollard, 1432 Park St., Alameda.
Architect—None.
Day's work. $800

DWELLING
(4473) NE COR. FIFTY-FIFTH AVE. AND FLEMING AVE., Oakland. One-story 6-room dwelling.
Owner—Ernest Minuth, 2658 Seminary Ave., Oakland.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley. $4000

STORES AND FLATS
(4474) S FOOTHILL BLVD., 112 W SEMINARY AVE., Oakland. Two story 12-room stores and flats.
Owner—Lenore E. Moulin, San Francisco.
Architect—None.
Contractor—Clarke & Allan, 5805 Harmon Ave., Oakland. $8728

BANK
(4475) NE FORTY-NINTH & TELEGRAPH Ave., Oakland. One-story brick bank.
Owner—Central National Bank, 14th and Broadway, Oakland.
Architect—Wm. Knowles, Central Bk. Bldg., Oakland.
Contractor—E. T. Leiter & Sons, 3601 West St., Oakland. $34,000

GARAGE, ETC.
(4476) N SIXTY-FIRST 100 W Grove, Oakland. One-story 2-room garage and gymnasium.
Owner—Mrs. Laura Moutour, 756 55th St., Oakland.
Architect—None.
Contractor—Geo. C. Nall, 930 41st St., Oakland. $750

DWELLING
(4477) N VESTA 237 W 57th Ave., Oakland. One-story 4-room dwlg.
Owner—P. D. Cunningham, 2902 E-22d St., Oakland.
Architect—None.
Contractor—J. D. Fennelly, 2910 E-22d St., Oakland. $2500

ADDITION
(4478) NO. 6519 WHEELER ST., Oakland. Addition.
Owner—W. G. Baker.
Architect—None.
Day's work. $400

RECORDED

APARTMENTS
(4479) W DERBY AVE 30 N E-12th N 40xW 120, Oakland. All work for one-story frame apartments.
Owner—George Nelson, 3817 E-14th St., Oakland.
Architect—None.
Contractor—J. B. Petersen, 2053 38th Ave., Oakland.
Filed Dec. 15, '21. Dated Dec. 12, '21.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $4150
Bond, $2075. Surety, Globe Indemnity Co. Limit, 90 days. Forfeit, $1. Plans and specifications, none.
NOTE:—Permit also applied for today.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Dec. 14, 1921—NE ALMOND 195 NW 98th Ave NW 35xNE 146.74, Oak-

land. Robert Hillis to C L Hewitt .....Dec. 13, 1921

Dec. 14, 1921—SW MILVIA & VIRginia W 125xS 95, Berkeley. Calvary Presbyterian Church to Conner & Conner.....Nov. 18, 1921

Dec. 14, 1921—LOT 4 Resbdvn Blk "L" Northbrae Terrace, Berkeley. P E Marquis to whom it may concern.....Dec. 14, 1921

Dec. 14, 1921—ELLSWORTH AND Dwight Way, Berkeley. Southern Pacific Co to Hutchinson Co.....Dec. 10, 1921

Dec. 14, 1921—PARK ST & ENCINAL Ave, Alameda. Southern Pacific Co to Hutchinson Co.....Dec. 10, 1921

Dec. 14, 1921—LOT 19 BLK 1197 Map Santa Fe Tract No. 8, Oakland. Elizabeth A Hansen to R J Larsen .....Dec. 7, 1921

Dec. 13, 1921—E-FOURTEENTH No. 6406, Oakland. Studley & McMenemy to whom it may concern .....Dec. 10, 1921

Dec. 12, 1921—LOT 16 BLK 3 MAP Edgewood Park, Oakland. John Yankow to Davis & Davis.... .....Dec. 10, 1921

Dec. 12, 1921—LOT 24 BLK D, OAKland Highlands, Oakland. L E Simmonds to whom it may concern .....Dec. 8, 1921

Dec. 12, 1921—21½-ACRE TRACT ON County Rd from Centerville to Irvington. Luiz R Neves to A S Dutra .....Dec. 9, 1921

Dec. 10, 1921—LOTS 8 AND 9 Map Hillview Terrace, Oakland. W A Clayton to G B Hollenbeck..... .....Dec. 7, 1921

Dec. 10, 1921—FOURTEENTH AND Franklin, Okd. Southern Pacific Co to Hutchinson Co.....Dec. 5, 1921

Dec. 10, 1921—LOT 26 BLK 4, Thousand Oaks Station Tract, Berkeley. Harry W Hind, Agent C R Morse, to whom it may concern. Dec. 10, 1921

Dec. 9, 1921—2746 DWIGHT WAY, Berkeley. Helena Irene Pofert and Helen Brown to Ben Pearson .....Dec. 5, 1921

Dec. 8, 1921—LOT 11 BLK 3 MAP Martin Kellog, Berkeley. G A Brennan to J P Brennan..Dec. 7, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount

Dec. 13, 1921—LOT 3 BLK "O" Map Melrose Acres, Oakland. H L Jones vs W J Scott.....$95

Dec. 10, 1921—S CENTRAL PACIFIC Railway right-of-way 132.5 W 18th Ave S to pier head line SE to 19th Ave N to railway right-of-way to pt of beg., Oakland. W P Fuller & Co, $561.27; Maxwell Hardware Co, $1467.54; E K Wood Lumber Co, $3415.85 vs E S Collins and Shartzer Illuminated License Plate Co.....

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount

Dec. 14, 1921—NW THIRTEENTH AV and NE Lake View Ave NW 35xNE 112.50, Oakland. Chas Matthews to Howard Nethken and Lillian B Breeding $163 45

Dec. 10, 1921—NW THIRTY-SECOND and Linden, Oakland. Wm E Anderson to St. John's Baptist Church, L A Brown and E West, Trustees $265.11

Dec. 10, 1921—LOT 13 BLK "C" Map Excelsior Heights, Okd. C L Adams to L A and E Simmonds $390

Dec. 9, 1921—N FIFTIETH 105 E Lawton Ave E 35 N 91.32 W 35.2 S 92.65, Oakland. L A Norris Co, $31.35; Emeryville Hardware & Tool Co, $60.25; J B McKeon, $70; Century Electric Co, $164.70; W C Austin, $217.50 to John Carson...

Notice of Non-Responsibility

ALAMEDA COUNTY

Dec. 13, 1921—E BROADWAY 93 N 19th N 93xE 300, Oakland. Geo A Douglass as to improvements on property .....

HOMESTEADS

ALAMEDA COUNTY

Dec. 14, 1921—SE TAFT AVE 79.44 SW Broadway SW 40 SE 70 NE 28.65 NW to pt beg., Oakland. Anna B Chalmers (wf George M) $4250

Dec. 12, 1921—NW BROADWAY 579.85 SW Ada SW 37-6 NE 37-6 SE 100, Oakland. Helen I Vose. $5000

Dec. 9, 1921—LOT 10 BLK 1 and Ptn Lot 9 Blk 1 and Ptn Lot 11 Blk 1, Map Lakeshore Highlands, Okd. Ruby M Minnie (wf M T)..$20,000 with indebtedness of $16,000.

Dec. 10, 1921—NW MIDVALE AVE 80 NE Arizona NE 80xNW 125-7½, Oakland. Effie M Irvine (wf Matthew) $2500

Dec. 9, -921—W 13TH AVE 291 2-3 N Hopkins St N 33 1-3 W 125, Oakland. Alfrieda Hickey, wife Edward T $5000

CANCELLATION OF CONTRACT

ALAMEDA COUNTY

Dec. 12, 1921—LOT 10 BLK B, Santa Fe Tract, Oakland. Frank B Murdock with California Builders Co

BUILDING CONTRACTS

SACRAMENTO COUNTY

$2,500 and Over Reported

DWELLING
NO. 4917 T ST., Sacramento. One-story 3-room dwelling.
Owner—J. Correll.
Architect—None.
Contractor—Jenkins & Shumate. $2500

DWELLING
1338 42ND ST., Sacramento. One-story 4-room dwelling.
Owner—Robt. Cranston, 820 "J" St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, 3781 6th Ave., Sacramento. $5950

DWELLING
2011 35TH ST., Sacramento. One-story 4-room dwelling.
Owner—S. W. Cooper, 2011 25th St., Sacramento.
Architect—None.
Contractor—Thos. B. Hunt, 3781 6th Ave., Sacramento. $2500

DWELLING
1729 "V" ST., Sacramento. One-story 4-room dwelling.
Owner—John R. Basta, 531 "S" St., Sacramento.
Architect—None.
Contractor—M. Furtado, 2423 18th St., Sacramento. $2455

DWELLING
3084 22ND ST., Sacramento. One-story 5-room dwelling.
Owner—G. H. Harman, 1815 "P" St., Sacramento.
Architect—None.
Contractor—Chas. Carson, Box 120, Sacramento. $2850

DWELLINGS
1901 7TH AVE & 949 7TH AVE, Sacramento. Two 1-story 4-room dwellings.
Owner—P. Opdyke, 1017 7th Ave., Sacramento.
Architect—None.
Day's work. $2000 ea.

DWELLING
840 13TH ST., Sacramento. One-story 5-room dwelling.
Owner—L. Davies, 1819 "K" St., Sacramento.
Architect—None.
Day's work. $3400

DWELLING
4114 8TH AVE., Sacramento. One-story 5-room dwelling.
Owner—Geo. E. Vandenbugh, 1723 "G" St., Sacramento.
Architect—None.
Day's work. $2750

DWELING
1341 39TH ST., Sacramento. One-story 5-room dwelling.
Owner—R. L. Marsten, 3109 Folsom Blvd., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento. $5800

DWELLING
2321 "E" ST., Sacramento. Two-story 5-room dwelling.
Owner—T. F. Murray, 2016 10th St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento. $3426

FLATS
2015 22ND ST., Sacramento. Frame (4 4-room) flats.
Owner—G. E. Harvie, 2212 "T" ST., Sacramento.
Architect—None.
Day's work. $12,000

DWELLING
1225 40TH ST., Sacramento. One-story 5-room dwelling.
Owner—H. J. Theilen, 2015 8th St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 "T" St., Sacramento. $5500

DWELLING
314 27TH ST., Sacramento. One-story 5-room dwelling.
Owner—D. Collins.
Architect—None.
Contractor—A. L. Johnson, 2605 Portola Way, Sacramento. $3450

DWELLING
1225 37TH ST., Sacramento. One-story 6-room dwelling.
Owner—G. S. Tyler, 2281 "T" St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento. $6680

REPAIRS
26TH AND "W" STS., Sacramento. Repairs.
Owner—Sacramento City School District.
Architect—None.
Contractor — Hatchy-Hatchy, Mitau Bldg., Sacramento. $4000

SCHOOL
THIRTY-EIGHTH ST., bet 4th Ave. and Sacramento Blvd. Reinforced concrete school.
Owner—Sacramento City School Dist.
Architect—Hemmings, Hudnutt & Petersen, Library Bldg., 9th and L Sts., Sacramento.
Contractor—Betz & Mabrey, 2528 41st St., Sacramento. $225,499
Filed Dec. 9; Dated Nov. 30, 1921.

DWELLING
709 30TH ST., Sacramento. One-story 5-room dwelling.
Owner—A. W. Norris, 3012 "G" St., Sacramento.
Architect—None.
Day's work. $5600

REPAIRS
530 "J" ST., Sacramento. Repairs for butcher shop.
Owner—F. Casey, 530 "J" St., Sacramento.
Architect—None.
Contractor—Mowat Refrigerator Co., 25 Oak Grove St., San Francisco. $9000

DWELLING
NO. 2912 THIRTY-THIRD ST., Sacramento. One-story 6-room dwlg.
owner, I. Kubel.
Architect—None.
Contractor—Betz & Mabrey, Ochsner Bldg., Sacramento. $5500

DWELLING
NO. 3138 RONNER WAY, Sacramento. One-story 5-room dwelling.
Owner—A. L. Boust, 3040 32nd St., Sacramento.
Architect—None.
Day's work. $2500

LIENS FILED

SACRAMENTO COUNTY

Recorded Amount
Dec. 10, 1921—PROP BEG AT POINT 108 ft. S 70° 39½' E fm point on E line of 31st St 155 ft S 19° 30' W from intersection of E line of 31st St with center line of H St produced E from W line of 31st St and run from point of beg S 19° 30' W 80 ft, th S 70° 39½' E 60 ft, th N 19° 30' E 80 ft, th N 70° 39½' W 60 ft, to beg as desc in 553-348 E D McKoy as property Owners' Protective Assn vs P J O'Brien and H J Birdsall $130.50

BUILDING CONTRACTS

FRESNO COUNTY

ALTERATIONS
ROOSEVELT & DIVISADERO STS., Fresno. Alter and add to office building.
Owner—Union Oil Co., Premises.
Architect—None.
Day's work. $10,000

DWELLING
NO. 828 CLINTON ST., Fresno. Dwlg. and garage.
Owner—G. P. Dunham, 535 Belmont St., Fresno.
Architect—None.
Contractor—Edw. L. Rambo, 496 San Pablo Ave., Fresno. $5000

ALTERATIONS
NO. 2028-32 TULARE ST., Fresno. All work for alterations and additions to main office building.
Owner—Pacific Telephone & Telegraph Co., Premises.
Architect—None.
Contractor—H. C. Matthies.
Filed Dec. 12, '21. Dated Nov. 28, '21. Monthly payments .....
TOTAL COST, cost of labor plus 10%
Bond, none. Limit, 40 days fram Dec. 2, 1921. Forfeit, none. Plans and specifications filed.

APARTMENTS
NO. 616-22 CAMBRIDGE ST., Fresno. Apartment house and garage.
Owner—Edna Gray, 145 Echo, Fresno.
Architect—None.
Contractor—J. R. Church, 221 North U St., Fresno. $6400

DWELLING
NO. 529 TERRACE ST., Fresno. Dwelling and garage.
Owner—C. L. Saylor, 3734 Illinois St., Fresno.
Architect—None.
Day's work. $6500

DWELLINGS
NO. 624-630 AND 636 DUDLEY ST., Fresno. Three dwellings.
Owner—Watson Bros.
Architect—None.
Day's work. $4000, $4200 & $5500

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted
Dec. 10, 1921—LOT 30 East Elmhurst, Fresno. E Ahlberg to whom it may concern.....Dec. 9, 1921
Dec. 8, 1921—ON 60x127 FT. in SW part of Blk 62, Wristen Addition, Kingsburg. Alfred Larson to whom it may concern..Nov. 10, 1921

LIENS FILED

FRESNO COUNTY

Recorded Amount
Dec. 14, 1921—LOTS 10 AND 11 BLK 53, Fresno. Kutner-Goldstein Co vs Joe Olivers $66
Dec. 10, 1921—LOTS 1 TO 4 BLK 9, Fresno. Routt Lumber Co vs S Bando and Valley Industrial Cptn $1225
Dec. 9, 1921—LOTS 10 AND 11 BLK 53, Fresno. Fresno Lumber Co vs Joe Olivers, Thos J and Moses H Hart $430
Dec. 9, 1921—LOTS 1 TO 5, 16 TO 20 Blk 5, Malaga. Fisher-Glassford Hardware Co vs M E Casebier and Sam Vucovich $218
Dec. 9, 1921—LOTS 17 TO 21 BLK 61, Fresno. Fisher-Glassford Hardware Co vs M E Casebier, Valley Electric Co, San Joaquin Light & Power Co., A H Blasingame et al $166

Notice of Non-Responsibility

FRESNO COUNTY

Dec. 10, 1921—LOT 48, Mt. Campbell Orange Tract Plat A, Fresno. Fidelity Trust & Savings Bank for improvements on property.....

BUILDING CONTRACTS

SANTA CLARA COUNTY.

$1,000 and Over Reported

COTTAGE
HOLLYWOOD NR. SECOND, San Jose. 5-room cottage.
Owner—J. M. Schirle, 765 W. San Fernando St., San Jose.
Architect—None.
Day's work. $3000

PIERCE-BOSQUIT
Abstract & Title Co.
Capital Stock $100,000
Sacramento, Placerville, Nevada City, Reno
SACRAMENTO OFFICE
ROSS E. PIERCE, Manager
905 SIXTH STREET

COTTAGE
TWELFTH NR. VIRGINIA, San Jose. 5-room cottage.
Owner—Mrs. Marie Cauhappe.
Architect—None.
Contractor—Wm. O'Neil, 500 N. 15th St., San Jose.
Day's work. $2400

COTTAGE
TWELFTH NR. VIRGINIA, San Jose. 5-room cottage.
Owner—Mrs. Touronette.
Contractor—Wm. O'Neil, 500 N. 15th St., San Jose. $2520

COTTAGE
ATLANTA NR. BIRD, San Jose. 5-room cottage.
Owner—Mrs. Sanders.
Architect—None.
Contractor—W. A. Hinds, San Jose. $2250

ALTER HOUSE TO APTS.
335 S. THIRTEENTH ST., San Jose. Alter residence to apartments.
Owner—S. G. Cooley, 340 S. 13th St., San Jose.
Architect—None.
Day's work. $1950

COTTAGE
SHERMAN NR. GOODYEAR, San Jose. 5-room cottage.
Owner—Sofia Moran.
Contractor—Wm. O'Neil, 500 N. 15th St., San Jose. $1950

COTTAGE
TWELFTH NR. VIRGINIA, San Jose. 4-room cottage.
Owner—Wm. O'Neil, 500 N. 15th St., San Jose.
Architect—None.
Day's work. $1850

ALTER HOUSE TO APTS.
SIXTH AND REED, San Jose. Alter house to apartments.
Owner—Mrs. D. Lapham.
Architect—A. J. Neilson.
Contractor—A. J. Neilson. $1800

ALTER ATTIC
521 E. Santa Clara, San Jose. Alter attic.
Owner—H. J. Beal, premises.
Architect—None.
Day's work. $1200

BUILDING CONTRACTS

SAN MATEO COUNTY

APARTMENTS, ETC.
PTN LOTS 1 AND 2 BLK 2, Sub. Burlingame Land Co., Burlingame. All work for two-story and basement concrete store and apartment building.
Owner—Harry L. Miller, 1200 Burlingame Ave., Burlingame.
Architect—C. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—Larsen-Siegrist Co., Claus Spreckels Bldg., San Francisco.
Filed Dec. 10, '21. Dated Dec. 9, '21.
1st floor joists on.....$2000
2nd floor joists on..... 2000
Finish plaster complete interior 3500
Completed 4425
Usual 35 days..... 3975
TOTAL COST, $15,900
Bond, $7950. Sureties, Frank Dawson and R. Zelinsky. Limit, 90 days. Forfeit, $10. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Dec. 10, 1921—LOT 10-A BLK 31, Lyon & Hoag Sub Town of Burlingame. J L Coyle to whom it may concern.....Dec. 8, 1921

Dec. 12, 1921—LOTS 6, 8 AND 10 BLK 18, Dingee Park, Redwood City. Albert G and Myrtle A Esneault to L M Pollard.....Dec. 5, 1921

Dec. 8, 1921—LOTS 2 AND 3 BLK 11 Menlo Oaks, Near Menlo Park. Charles A Shurleff to Weeden Bros. .....Nov. 30, 1921

Dec. 9, 1921—LOT 22 BLK 24, Easton Addition to Burlingame No. 2, Burlingame. R A Sanguinetti to W O Nicolaides.....Dec. 8, 1921

LIENS FILED

SAN MATEO COUNTY

Recorded Amount

Dec. 8, 1921—N½ LOT 1 BLK 26 Oak Knoll Manor near Redwood City, Cal. Lewis W Howard vs Gertrude E Gough, Anglo California Trust Company and J W Carpenter $217.00

Dec. 8, 1921—HOMESTEAD, near San Mateo. Watts Electric Co. vs Antone Alfred Borel and Frank H Boring $365.83

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$2,500 and Over Reported

RESIDENCE
MARIPOSA AVE., Stockton. Residence.
Owner—Stockton Land Assn., 323 E. Weber St., Stockton.
Architect—None.
Day's work. $3600

RESIDENCE
WEST NORTH ST., Stockton. Residence.
Owner—Bertha Byers, Stockton.
Architect—None.
Day's work. $3300

RESIDENCE
NORTH SAN JOSE ST., Stockton. Residence.
Owner—Frank Bileski, San Jose and Magnolia Sts., Stockton.
Architect—None.
Day's work. $5000

ALTERATIONS
SOUTH TUXEDO ST., Stockton. Remodel.
Owner—Clara Stitt.
Architect—None.
Day's work. $4850

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount

Dec. 14, 1921—LOT 472 facing on Adelbert Ave. of Burkett Gardens, Stockton. Sunset Lumber Co, a Cpin vs Vincent W Bohnak..$757.31

Dec. 13, 1921—NE ¼ OF NE ¼ OF Section 16, T 4, N R 6 E, Stockton. C E Morris vs E G Bender.....$50

Dec. 12, 1921—LOT 5 AND N 16½ FT of Lot 6 Blk 4, Hutchins' Oak St Addition to Lodi. Lodi Lumber Co a corporation vs Jas Anderson.. .....$362.34

The Observer.

(Continued from Page 4)

Captain Luther E. Gregory, U. S. N., former public works officer at the Puget Sound navy yard, has been nominated by Secretary of the Navy Edwin Denby to succeed Admiral Charles W. Parks as chief of the Bureau of Yards and Docks in Washington. His nomination has been sent to President Harding and appointment is expected immediately. Gregory is at present public works officer of the Boston navy yard. The appointment is for a four-year term and carries with it promotion to the grade of rear admiral.

According to word from Mendocino county, the Northwest Redwood Co. has shut down its night shift and will from now on continue with a day crew. It has been impossible to operate two crews, due to the company being unable to get sufficient material to work on.

Richmond leads the smaller California cities in manufactures, with a total valuation last year of more than $75,000,000. The Census Bureau's summary of manufactures in California cities with population from 10,000 to 50,000 shows the value of products in 1919 to be: Alameda, $25,440,000; Bakersfield, $5,699,00; Eureka, $3,960,000; Fresno, $48,944,000; Glendale, $1,174,000; Pasadena, $5,760,000; Pomona, $3,754,000; Richmond, $75,316,000; Riverside, $2,354,000; San Bernardino, $7,473,000; San Jose, $25,135,000; Santa Ana, $3,627,000; Santa Barbara, $1,944,000; Santa Cruz, $3,944,000; Santa Monica, $519,000; Stockton, $30,676,000; Vallejo, $18,056,000; Venice, $193,000.

The Henery Cowell Lime and Cement Company will construct approximately 3000 feet of concrete streets in vicinity of its plant at Cowell, Contra Costa County. Three thicknesses of pavement will be laid. One section 1000 feet in length of six-inch, a second stretch of seven-inch and a third of eight-inch. The work will be under the supervision of R. R. Arnold, Contra Costa County Surveyor.

A survey of the coast lumber situation, according to Andrew F. Mahony, shows that the demand is far in advance of steam schooner accommodations for traffic. One big operator of vessels, it is said, has a contract to land at San Pedro 1,000,000 feet of lumber a day. Lumber amounting to 63,731,000 feet was shipped from Gray's harbor during November, according to figures compiled.

Architect Roy J. Kieffer has opened offices at 218 Wilshire Building, Los Angeles, and desires a complete file of catalogs and samples of building material and equipment.

The annual report of the State Railroad Commission for the year ending June 30, 1921, declares that if public utility rates had been advanced equally with commodity prices, the people of the state last year alone would have paid in the neighborhood of $100,000,000 more than they did to the public utilities. The commission gives the figures on which this conclusion is based. The trend of prices is declared to be toward normal, which it is expected will make further reductions possible.

Harold French, president of the Contra Costa Hills Club, proposes the erection of a great industrial-natural historical memorial museum. It is proposed that the new museum building be financed by Oakland industries. French points out that there are now about 20,000 different articles manufactured in Oakland and that manufacturers would gain valuable advertising through the display of the articles in a museum building. French cites Philadelphia and Munich as examples of successful commercial museums.

Los Angeles building activities for December have started well. Up to and including the 6th, the number of permits issued was 886 with an estimated valuation of $1,816,004. During the same period in October, 893 permits with an estimated valuation of $1,648,178 were issued.

An indication of returning prosperity: A premium of approximately $23,000 was paid on the purchase of $1,000,000 worth of Oakland school bonds. The bonds were purchased in two separate lots, $800,000 of the Oakland High School district and $200,000 for the Oakland Grammar School district.

The Pacific Sanitary Manufacturing Co. will enlarge its tub plant at Richmond. Approximately $60,000 will be expended in the improvements.

That Lassen County ranks as one of the important factors in the lumbering industry is proven by the following figures, compiled by E. C. Scammon of the Red River Lumber Company: Capital invested in plants and operations, $7,000,000; timberland owned and being lumbered, 300,000 acres; men employed in the mills, 2,300; men employed in logging, 1,100; capacity of mills in 24 hours, 2,000,000 feet; number of cars of lumber and products shipped monthly, 1,350; miles of logging railroads, 63; average monthly payroll, $600,000.

The "American Lumberman" of Chicago says buying by retailers continues to decrease with the approach of winter and inventory period, but buying by railroads and industrials is increasing and some items of railroad material, such as car siding, are very firm. While Douglas fir car siding could be purchased f. o. b. mill for $25 early this fall, it brings a minimum of $50 and railroads cannot secure all they need. Prices on yard stock, particularly Southern pine, have shown some decline. The hardwood marked remains firm, however, and demand improves.

BUSINESS OPPORTUNITIES

W. L. Sprague, Box 173, Petaluma, Cal., wishes to get in touch with San Francisco dealers in Shay locomotives.

Wm. Weisgram, Box 377, Eureka, Cal., is in the market for walnut lumber.

Household Specialties Co., 221 East 60th St., New York City, is seeking a market for household specialties.

C. M. Putney, 5158 Pulaski Ave., Germantown, Philadelphia, Pa., desires to get in touch with steel plants in San Francisco.

Boswell B. Jones, San Anselmo, Cal., is in the market for laundry equipment, and would also like to get in touch with an experienced man in all branches of laundry work.

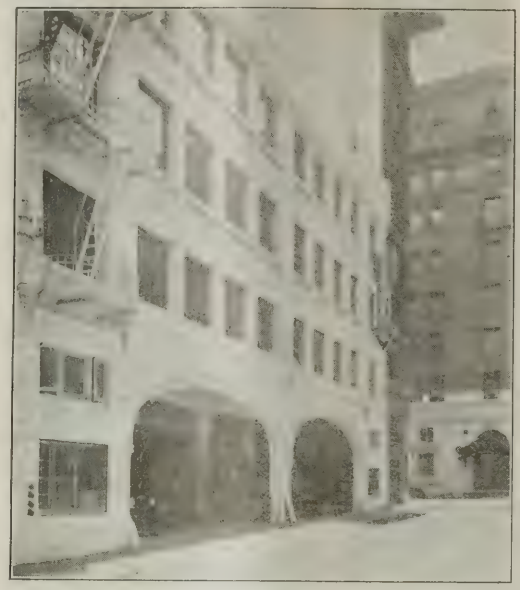
L. W. Manheim, Box 132, Camden, S. C., desires to arrange to have a patented hardwood kodak stand manufactured in San Francisco.

Marshfield Fuel and Supply Company, South Broadway and Curtis avenue, Marshfield, Ore., is seeking a market for mill wood, 12-in. and 4-ft. lengths.

Mrs. L. L. Allen, Upper Camp, Engelmine, Cal., wishes to communicate with manufacturers of dairy machinery in this city.

Mullen's Auto Electric, 1818 Sacramento street, Fresno, Cal., is in the market for automobile battery parts.

Geo. W. Olinger, Inc., Denver, Colo., wishes to communicate with architects and contractors regarding construction of adobe houses in Mission and Spanish designs.



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SAN FRANCISCO, CALIF., DECEMBER 24, 1921

Published Every Saturday
Twenty-first Year. No. 52

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday SAN FRANCISCO, CALIF., DECEMBER 17, 1921 Twenty-[illegible] Year No. 52

The Building and Engineering News inexpressing appreciation for the good-will of its patrons, extends hearty greetings for a

Merry Christmas
and a
Happy New Year.

Building and Engineering News

No. 560 Mission Street,
San Francisco, Calif.

MRS. L. A. LARSEN, Publisher
J. P. FARRELL, Managing Editor

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

Official Paper of Vallejo Builders' Exchange

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ORGANIZATION OF BRICK COMPANY AT VALLEJO PROPOSED

Louis Steiger, an authority on brick and tile, has obtained control of the brick works north of Vallejo and proposes to ask the directors of the Vallejo Chamber of Commerce to approve plans for formation of a stock company there to re-open the plant immediately.

According to Steiger, who submitted his proposition to Secretary C. S. Stanworth of the Vallejo civic organization, the plant near Bay Terrace has a value of nearly $500,000 and only recently was appraised by a brick expert as having a market value of $375,000. Steiger has obtained control of the plan through foreclosure by bondsmen for $125,000.

Experts are said to have attempted to put the plant in operation but were unable to overcome certain difficulties although large sums of money were expended on investigations and experiments. Steiger claims that he solved the trouble by installing a secret device that cost $3.75.

ELECTRIC OPERATION OF RAILWAYS WOULD CUT DOWN TRACKAGE REQUIREMENTS

In calling attention to the superiority of electric railroad service as compared with steam, the United States Geological Survey in connection with its superpower investigations points to an interesting example of present wasteful practice: Under electric operation, it is stated, the entire traffic between Philadelphia and Washington could readily be carried over the rails of the Pennsylvania System, those of the Baltimore & Ohio being left for future growth. Similarly, electric operation in the vicinity of Boston and New York would leave a margin of track capacity so great that no money need be spent for many years for further extensions of track. This release of trackage is one of the very notable advantages that would follow unified electric operation of the railroads in the "superpower zone"—the region between Washington and Boston. The great expense of any large increase in trackage should of itself force electrification, for the total cost 20 years hence will be less if electrification is begun now than the cost of the added track and terminal facilities necessary under steam operation to provide for the inevitable 100 per cent increase in traffic within that time.

The reserves of men and of machinery required for joint operation will be very much less than the aggregate of the separate reserves required for individual operation. The great waste involved in the maintenance of separate reserves of motive power is exhibited by the operating statistics of the roads, which show that the average freight locomotive in this territory is in productive service only 3,250 hours out of the 8,760 hours in a year and the average passenger locomotive only 2,630 hours. With joint electric operation and consequent unification of [illegible] a striking improvement. The steam locomotive can run 8 hours a day; the electric locomotive 20 hours.

FINANCIAL SUPPORT FOR STOCKTON ARCHITECTS' EXHIBIT ASSURED

The architectural and building materials exhibition to be held under the auspices of the Stockton Architects' Association, at Hotel Clark, Stockton, January 21st to 28th, will have sufficient financial support to make it a success, according to reports made at a meeting of the financial committee in the offices of Glenn Allen, president of the Architects' Association.

All committeemen made encouraging reports and it was announced that several authorities on building and the financing of building have been engaged to deliver lectures during the show.

"Now is the time to build; the way to have a city is to build one," is the spirit which will be reflected by the show. Two industrial motion pictures also have been secured for presentation during the exhibit.

The committee in charge of the movement to have building costs reduced is continuing its research and reports that building costs already have dropped to a surprising extent and that all labor restrictions on output have been removed. The association recently petitioned the Building Trades Council to reduce wages 12½ per cent, and it is anticipated that an answer to the petition will be forthcoming within the next few days.

CONCRETE RAILWAY SLEEPERS AND TRANSMISSION POLES IN CHINA

Reinforced concrete railway sleepers and electric transmission-line poles are being used in China on account of timber scarcity. The sleepers are reinforced with old mine cables, are cured under water, and are used to replace wooden sleepers on old tracks where the road-bed is well settled. The poles, tapering and square in section, are cast horizontally. They are 40 and 50 feet tall, hollow for most of their length, and have some reinforcing rods extended above and below to serve as lightning conductors.—Concrete and Constructional Engineering, London.

S. F. CHAPTER A. A. E. ELECTS OFFICERS

W. H. Phelps, assistant engineer of the Pacific Coast division of the Southern Pacific Company, has been elected president of the San Francisco Chapter of the American Association of Engineers. Other officers elected for the 1922 term were: George Mattis, ex-officio city engineer and superintendent of streets, Oakland, first vice-president; Donald M. Baker, engineer with the state division of water rights, second vice-president; F. J. Anweg, consulting engineer, treasurer, and Capt. A. J. Capron, retired, construction engineer, secretary.

Trucks [illegible] water power are common in China.

The Observer

Several California cities report rents high and rentable houses scarce, J. A. Kelly, San Francisco district director of the unemployment service of the U. S. Department of Labor, declares in his monthly report. Portions of the report, telling of conditions in several cities of the state, deals with the building situation as follows:

San Francisco: Reports indicate unemployment in all trades except building, which is active for this season of the year, though a few trades show a surplus of labor. Iron and steel, 75 per cent below. Stone, clay, glass, paper, printing and leather products, 10 per cent below. Shipbuilding, 95 per cent below. Railroad repair shops report conditions about normal. An acute housing condition still exists and rents are high.

Los Angeles: The number of unemloyed has increased since last report. Is confined principally to unskilled workers, iron and steel trades and shipyard workers. Building is very active. Unemployment in this industry is negligible. Demand for carpenters and plasterers. Despite very large volume of residence buildings, desirable places for rent at reasonable rates are scarce.

Oakland: Building industry continues active, and indications are it will remain so during the winter. No unemployment in this line. Iron, steel and shipbuilding operating about 90 per cent below normal. Railroad repair shops yet below normal. An acute housing shortage with high rents exists.

Sacramento: Building is very active. Employment conditions in this industry are good. Lumber industry operating below capacity. Camps and mills reducing forces, and in some instances closing down for winter. Railroad repair shops slightly below normal. Desirable houses for rent are scarce and rents high.

Stockton: Unemployment confined chiefly to metal trades and unskilled workers. The Hetch Hetchy and Don Pedro dam projects working full crews, are continually employing help to take care of turnover. Many of the sawmills drawing labor from this market are shutting down for the winter. Planing mills operating about 50 per cent of normal. Houses for rent are more plentiful, but rents high.

Fresno: Building trades fairly active. About 10 per cent unemployed. Lumber camps in this vicinity closed for season. One lumber company arranging to build large mill in this vicinity. Survey now being made for railroad to logging camps. This work is expected to commence about the first of the year. Estimated new plant will employ about 2,000 men. Serious housing situation. Houses for rent are scarce and rents high.

Berkeley: Building industry very brisk; no unemployment. Lumber is reported very good. Iron and steel is dull, other industries operating about normal. Houses in demand and rents high.

San Diego: Large amount of private construction is keeping the building industry active. Local labor market can supply all help necessary. Desirable houses are scarce and rents are high.

San Jose: No improvement noted in unemployment situation. Building is active and men are employed steadily. Although many residences are in course of construction, desirable houses for rent are scarce and rents are high.

One of the most hopeful indications of an approach to normal industrial conditions is the substantial revival in the building industry which has been noticeable in every section of the country during the last three months. According to reliable forecasts, based upon an extensive survey of the sources of such information, this resumption of building operations should increase during the coming year on a scale unprecedented in the annals of the country. Estimates of the value of construction planned for next year place the amount at approximately $4,200,000,000. Nearly a quarter of that amount is said to be for residences and apartment houses, about one-eighth for hotels, one-quarter for schools and churches, one-tenth for hospitals and about the same proportion for public buildings, office buildings and industrial plants.

From present indications, building operations undertaken in San Francisco during the year 1921 will total approximately $21,500,000. This estimate is based on the valuation of construction for which building permits were issued. Up to and including November 30, a total of 5,745 permits were issued with an estimated valuation of $20,246,637. It is expected that operations for this month will total in the neighborhood of $1,500,000.

New York City is to have an exhaustive survey of the building industry and conditions therein. The Building Trades Employers' Association is undertaking the big job and it will be prosecuted on a scale never before attempted. The object is to develop the basic facts on material prices and stocks, labor costs, financial conditions and arrive at a conclusion predicated on reasonable expectations for 1922.

At a preliminary meeting of the Lockwood Committee in New York it has been recommended that legislation to the point of retaining the tax exemption provision for building be instituted. It has been officially stated that more than $200,000,000 of building has been started in New York City alone as a result of the tax exemption provisions. It is now proposed to lengthen the period to include until October, 1923.

One hundred members of the Home Builders, an organization composed of building contractors who finance their own building operations and sell direct to the home seeker, held their first annual banquet of the organization last night at the Cliff House. Each guest had a card-board bungalow for a place card. The committee in charge of the affair was composed of W. L. Hemminga, James Welch, Thomas Hammil and Adolph Petry.

Frank Karr, for seven years chief counsel to the Pacific Electric Company at Los Angeles, has been elected a director and second vice-president.

The Great Southern Steel Co. has been incorporated under the laws of Delaware, with a capital of $105,000,000, by Chicago interests to develop some large properties in the South not manufacturing at the present time.

A new box factory and by-products plant of the Pelican Bay Lumber Co., of Klamath Falls, Ore., have started operations with a crew of fifty men, according to H. W. Bridgeford, manager. The plant has an hourly capacity of 15,000 feet, and is said by the owners to be one of the best equipped on the Coast.

W. L. Hess of the Union Construction Company has been appointed assistant harbor engineer by the Oakland city council. Hess will receive a salary of $225 a month.

The monthly business survey of the Wells Fargo Nevada National Bank, reviews the local building situation, as follows:

"Building activities in San Francisco have increased noticeably during the month and business conditions generally seem to be on the mend. There is a strong undercurrent of optimism, which has been markedly absent during most of the year. Wholesale lumbermen report a stronger demand for material, with firmer prices. While the actual number of orders booked during November, 1921, was in excess of those in 1920, the money value was less.

Employees of the Baker, Hamilton and Pacific Co., will hold their annual dance and entertainment in the Scottish Rite Auditorium on December 23. A feature of the evening will be a "balloon and carnival dance."

November building statistics from 204 cities considered in the light of the present basic conditions unqualifiedly present the most optimistic case for construction offered by any November since the memorable November which gave the world an armistice, according to The American Contractor of Chicago. Statistics reported show a 98% gain over the corresponding month of 1920, which, in turn, showed a 50% loss from the eleventh month of 1919. This puts 1921 figures practically on a par with 1919 and double those of 1920. Commenting upon the prospects for 1922 the publication declares they are basically better than they were in either 1919 or 1920.

F. J. De Andreis has been named Fresno representative of the State Immigration and Housing Commission to succeed Commissioner Brown, who will take up duties in the Sacramento office of the commission the first of the year.

The Santa Clara County supervisors are planning an extensive road building campaign in 1922. An expenditure of approximately $300,000 is contemplated.

Announcement is made at Marshfield, Ore., that the North Bend Mill and Lumber Co., which closed its plant for a year, will open up shortly after January 1.

Colonel Herbert Deakyne, Corps of Engineers, U. S. A., and district engineer for the San Francisco district rivers and harbors, has been elected President of the San Francisco Post, American Society of Military Engineers.

Master Painters Banquet and Install Officers

The annual banquet and installation of officers of the Master Painters' Association of San Francisco, was held Saturday evening, December 17th, in the banquet room of the Aladdin Studio, 363 Sutter Street. The following program took place:

Address of Welcome, Pres. D. Zelinsky
Installation of President, Mr. A. D. Sutherland.
Installation of First Vice-Pres., Mr. B. H. Gurnette
Mr. Henry Kern, Installing Officer.
Introduction of Toastmaster by Mr. D. Zelinsky. Mr. A. L. Sutherland, Toastmaster.
Installation of Second, Third and Fourth Vice-Presidents by Mr. H. McManus, President of Alameda County Association. Officers: G. T. Bowen, L. J. Neal and H. J. Axt.
Installation of Secretary, Treasurer, Trustees, Statistician and Sergeant at Arms, by Mr. Russel Hinton. Officers: F. La Torres, M. Cohn, F. Dixon, C. Stern, J. F. Provoo, R. Postler and E. Porter.
Ruby Adams .....Songs
Address.....Mr. C. W. Gompertz
(a) "Co-operation of Building Craft Councils."
(b) "Attitude of Contractor towards Journeyman for elimination of future labor disturbances."
Arno Goering .....Specialties
Charlotte Dawn .....Songs
Address .....Mr. Geo. Bell
"The Obligation of Building Contractors to Develop a Constructive Program."
Leo Feist Trio.....New Song Hits
"Wabash Blues," "Georgia Rose," "When Francis Dances With Me."
Doc. Maas......"Art of Self Defense."
Evelyn Leard .....Songs
Barney Hagan .....Songs
"That's How I Believe in You," "That Down in Dixie Feeling," "Just Been Wondering."
"Kanstina".....The Peerless Dancer
Emery Wilson .....Songs
"Leave Me With a Smile," "I Wonder If You Still Care For Me." (Courtesy of Waterson, Berlin & Snyder.)
"Samoa" .....Songs

Much credit must be given Frank La Torres for the splendid way in which the banquet was conducted.

Painters know how to mix paint, but who mixed the genuine turpenzine, specially bottled for the Master Painters' Association of San Francisco?

Music was furnished by a Jazz Orchestra and a very large crowd attended, and all who were present enjoyed a splendid evening.

The Annual State Convention of the Master Painters' Association will be held in Sacramento, January 13th and 14th, 1922.

Hardwood Prices Have Reached Bottom---C. H. White

"General hardwood prices have apparently reached bottom and are now experiencing a little rebound," says C. H. White, [illegible] of White Brothers, hardwood dealers. "We cannot predict what will happen next year but the present market presents many peculiarities and to our mind, some good chances for an advantage to the buyer. For instance: Plain sawed oak is now much cheaper than figured gum. Quarter sawed oak is much cheaper than quarter sawed figured gum. And genuine mahogany and koa or Hawaiian mahogany, are almost on a par with the gum. Batavia mahogany is cheaper than quartered oak.

These conditions to our mind portend the greater use of the oaks and mahoganies and a decrease in the use of the gums for interior trim of houses. Wybro veneered panels have come down to a very reasonable level. We believe however, there will be a slight further decline in hardwood panels but an advance in Oregon pine. Ironbark and spotted gum, suitable for wagon work and ship work, remain at a price far below their intrinsic value as compared with other woods used in these industries.

We firmly believe that in the spring there will be a move toward an even[illegible] the relative values which the different woods have always borne to one another. Some woods must advance and some must decline."

HOW LONG WILL OUR LUMBER LAST?

Unless the country takes immediate corrective measures, a dangerous state of affairs will soon develop in the lumber situation. We are using up our limited supply at the rate of 26,000,000,000 cubic feet a year, while replacement by growth is only 6,000,000,000. What shall we do about the annual deficit of 20,000,000,000 feet?

The United States cuts as much lumber every year as the rest of the world put together, and consumes 95 per cent of it at home. This shows what lumber means to American industry and American life. Five-sixths of the virgin supply is already cut. How long will the remaining one-sixth last at [illegible] the habit of putting $1 in the bank and [illegible] $4.50?

The one-sixth of the virgin forests [illegible] [illegible] to the [illegible] [illegible] tinue without entailing grave con[illegible] [illegible] people [illegible] lumber producers

Results of Pittsburg Test Highway Reported by Engineer

Road-building history is being written at Pittsburg, where a circular highway is being tested to destruction, according to reports filed with the Good Roads Bureau of the California State Automobile Association by Highway Engineer A. G. Gowans, who is representing the Association at the test. Gowans' report in brief follows:

"Atmospheric temperature changes of any magnitude have been known to produce stresses in concrete. In pavements, engineers have usually allowed for the changes by building an expansion joint transversely across the slab. Later observations showed that numerous pavements cracked transversely even with the joints installed. This then led to a practice of eliminating the expansion joint and allowing the pavement to crack where it had a mind to and then treating the crack as an expansion crack.

It was therefore one of the first points to be investigated at Pittsburg. Points were established throughout the entire layout for observation. An Ames dial, an instrument so constructed that movements as minute as 1/10,000 of an inch are detected, was fitted to a special iron bracket. Observations were carried on for a considerable period, the most important ones being obtained when the day was warm and the nights quite cool.

The results from these observations were a surprise to many engineers. The surprise was not so much at the size of the slab movements, as this is mainly a function of the atmospheric temperature, but at the actual movements that took place in the concrete slabs. In one slab 110 feet long, having several transverse cracks, the slab movement longitudinally might be likened to the ocean waves. The Ames dial readings along the edge of the slab plat up into a series of similar curves. These curves have their high points over each transverse crack in the pavement. Likewise readings taken across the pavement at end of a slab showed the edges of the slab curled up.

The average deflection observed for a temperature change of 35 degrees Fahrenheit was 15/1000 of an inch, although a maximum of 02/100 was found.

Traffic or tonnage as developed over the Test Highway from November 9th to December 17th, by the fleet of forty trucks has reached the enormous figure of 2,257,450 tons. The trucks have had to go around the ¼-mile track a total of 66,700 miles to produce this tonnage. It has re[illegible] 14,000 [illegible] of gasoline and 1900 quarts of oil.

The observations carried on each week in the tunnels under the track at four separate places have been kept up in such a manner that any [illegible] in the soil or any change in subgrade bearings is apparent.

It seems as though one point has been proven thus far in regard to concrete's ability to stand traffic. The road up to December 16th, taken as a whole, does not show any evidence of the enormous traffic it has carried. [illegible] there is a goodly number of cracks, but of this number [illegible] built developed before any traffic was put on pavement. The traffic itself did not seem able to enlarge the cracks with any speed. The evi[illegible] of [illegible] concrete surfacing has also been lacking. In fact on the straight section of the road no appreciable evidence of wear [illegible] seen.

In the opinions of the various engineers who have observed the traffic over the road it is impossible to draw any comparison of it with any thoroughfare in this country. In other words there does not exist any highway to date that begins to carry the traffic that has been put over the Pittsburg Test Road. This has therefore shown more than ever that traffic alone is not to blame for concrete road failures.

A few points have now become evident, such as the fact that in a [illegible] a moving load does not produce as great a deflection in the concrete slab as one standing still. Impact has been studied sufficiently to already show that it takes a high rate of speed and a fall of at least one inch to produce deflections in a slab that are at all serious. This must also be done by a vehicle using hard rubber tires. There are few commercial trucks using hard tires that reach any good speed, and the larger the truck the slower its speed. Furthermore a highway as built today and maintained does not offer much in the way of a real rough surface. Impact therefore does not appear to be quite as serious a factor as has formerly been the idea.

It is also interesting to know that the experiments made with vehicles using pneumatic tires prove that the impact with air tires produce little if any different deflection than produced by the vehicle merely moving straight [illegible]

Building News Section

APARTMENT HOUSES

Owner Taking Sub-figures.
APARTMENTS Cost, $25,000
SAN FRANCISCO SE 12th and Lake Street.
Three-story and basement frame; (9 apartments).
Owner—C. S. Hoffman, 1541 Howard Street.
Architect—C. O. Clausen, Hearst Bldg.

Sub-figures Being Taken.
APARTMENT Cost, $40,000
SAN FRANCISCO. Bush and Steiner Streets.
Three-story concrete apartment house (12, three-room apartments).
Owner—Mr. J. Burndt.
Architect—O. E. Evans, 2569 Mission.

Plans Being Figured—Bids Close Dec. 21, 1921.
APARTMENTS Cost, $——
SAN LEANDRO, Alameda Co., Cal.
Two-story and basement blick apartment house.
Owner—Proster Godchaux.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

Sub-Figured to be Taken Next Month.
APARTMENTS Cost $45,000 to $50,000 each
SAN FRANCISCO S Pine between Powell and Mason Streets.
Two three-story frame and plaster apartment houses.
Owner—Joseph Bell, 189 Jessie St., San Francisco.
Architect—E. H. Denke, 1517 Hyde St., San Francisco.

Mr. Bell has just awarded a contract to Francis Reilly for plastering of a 3-story apartment house he is erecting on Pine street west of Mason. Contracts will shortly be awarded for wall beds and lighting fixtures for this building.

To be Done by Day's Work.
APARTMENTS Cost, $50,000
SAN FRANCISCO. W Larkin 119-5 N Union Street.
Five-story and basement reinforced concrete apartment house (30 apts.)
Owner—G. E. Pasqualetti, 746 Union St., San Francisco.
Architect—None.

To Be Done By Days Work.
APT. HOUSE Cost, $20,000
SAN FRANCISCO. N. Grove 120 W. Central Ave.
Two-story and basement frame and plaster apartment house (six 2, 3 and 4-room apts.; garage in basement).
Owner—Kincanon & Perego, 159 Sutter
Architect—O. R. Thayer, 110 Sutter St., San Francisco.

PORTLAND, Ore.—W. A. Carpenter, 506 McKay Bldg., has prepared plans and will erect by day labor a two-story brick, 70 by 95, apartment house on Weidler Street between 7th and 8th streets. Estimated cost, $35,000.

BONDS

SELMA, Fresno Co., Cal.—Election will be held Jan. 21 in Selma Union High School District to decide the question of issuing and selling bonds of $230,000 to purchase a site and finance construction of a new science hall. Building will cost approximately $180,000.

MONTEREY PARK, Cal.—A bond issue of $225,000 for a municipal water system carried at a special election. Olmstead & Gillelen, Hollingsworth B'dg., Los Angeles, are the engineers.

BAKERSFIELD, Kern Co., Cal.—An election will be held January 10, in Rosedale School District to vote bonds of $18,500 for school improvements. Trustees of the District are: R. T. Waters and Peter Heimforth.

BLYTHE, Riverside Co., Cal.—Until 11 A. M., Jan. 7, bids will be received by directors of Palo Verde Irrigation District for sale of $250,000 bond issue. Wm. J. Burton, Blythe, secy.

GLOBE, Ariz.—A special election will be held Jan. 28 in Graham county, Ariz., to vote $500,000 bonds for highway work.

SACRAMENTO, Cal.—January 14, is date set to vote bonds of $60,000 to finance construction of addition to school in North Sacramento School District, plans for which are being prepared by Architect E. C. Hemmings, Ochsner Bldg., Sacramento.

CHURCHES

Working Drawings Being Prepared.
CHURCH Cost, $50,000
VALLEJO, Solano Co., Sonoma and Virginia Streets.
Fireproof church.
Owner—First Methodist Church of Vallejo.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.

Plans To Be Revised.
CHURCH Cost, $60,000
VALLEJO, Solano Co., NW Carolina and Sonoma Streets.
Brick church.
Owner — First Baptist Church of Vallejo.
Architect — E. C. Hemmings, Oschner Bldg., Sacramento, and W. A. Jones Vallejo.

Plans Being Prepared.
CHAPEL, ETC. Cost, $50,000
HOLLYWOOD, Los Angeles Co., Cal.
One and two-story brick and reinforced concrete chapel, columbarium and crematory.
Owner—Hollywood Cemetery Association, 208 Laughlin Bldg., L. A.
Architect — Engineering Service Co., Washington Bldg., Los Angeles.

FACTORIES & WAREHOUSES

Being Done By Day's Work.
ADDITION Cost, $60,000
RICHMOND, Contra Costa Co., 5th and Hensley.
Addition to plant.
Owner — Pacific Sanitary Mfg. Co., Premises.
Architect—Owners.

Figures To Be Taken Shortly.
CREMATORY Cost $——
BERKELEY, Cal. Sunset View Cemetery.
One-story hollow-tile crematory.
Owner—Berkeley Crematory Co., Geo. B. Baxter, Mgr.
Architect—W. H. Ratcliff, Jr., 1st Natl. Bank Bldg., Berkeley.

Steel Figures Being Taken.
CONCRETE BLDG. Cost, $75,000
OAKLAND, Alameda Co., Cal. N 11th St., bet. Alice and Harrison Sts.
Two-story reinforced concrete building (wholesale plumbing supplies)
Owner—The M. Stulsaft Co., 647 Mission St., San Francisco.
Architect & Contractor—H. P. Hoyt, Monadnock Bldg., San Francisco.

Contract Award.
FACTORY BLDG. Cost, $6,000
OAKLAND. NW High St. 125 SW-E 14th.
One-story frame factory building.
Owner—Automatic Electrical Machine Co., Inc.
Architect—Hutchinson & Mills, 1512 Broadway, Oakland.
Contractor—S. I. Lundberg, 3434 Elmwood, Oakland.

Completing Plans—To Be Done By Days Work.
REPAIR SHOP Cost $18,000 approx.
OAKLAND CAL. Near Chevrolet plant
One-story reinforced concrete auto repair and welding plant 70x90. (Steel sash single span roof).
Owner—Withheld.
Architect—Henry Shermund, Hearst Building, San Francisco.

NAPA, Napa Co., Cal.—Union Ice Co. will start construction of a $50,000 ice plant in January. The plant will be equipped on the unit system, starting with a twenty-ton daily capacity which will be increased to 80 tons.

PORTLAND, Ore.—Architect W. W. Lucius, Lewis Bldg., preparing plans for a two-story and base., reim. conc. produce market building, 200x200, to be erected for Gardeners and Ranchers Association, an organization of produce men, in the block bounded by Union Ave., East Third, Main and Madison streets. Estimated cost, $200,000.

PHOENIX, Ariz. — The Arizona State railway commission has approved the plans for the new union depot at Phoenix, for the Santa Fe and Arizona Eastern Ry. Co's. Cost, $250,000 to $300,000. The bldg. will be 475x122 ft., Mission style with an arcade 250 ft. long; central portion, 40x60 ft., will be 2-sto.; reinf. concr. walls, plas. exter., steel rf. trusses, Mission tile rf., pine trim, quarry tile and cem.fls., vitreous tile firs. in lavatories, steam heat. Bids will be taken this week. Plans by Santa Fe engineering dept., W. H. Mohr, archt.

WOODLAKE, Tulare Co., Cal.—Western Citrus Honey Corporation has been organized and will erect a $250,000 honey plant in Woodlake. A site for the structure has already been purchased.

FLATS

Contract Awarded.
FLAT Cost, $16,865
SAN FRANCISCO W Webster 137-6 S McAllister.
Two-story and basement frame (4) flats.
Owner—Louis Silberstein, 1092 McAllister.
Architect—None.
Contractor—W. B. Demarais, 732 Page

Contract Award.
FLAT Cost, $19,000
SAN FRANCISCO. E Powell 59-6 S Green.
Three-story and basement frame (6) flats.
Owner—S. Lagomarsino, 1507 Powell.
Architect—None.
Contractor — A. C. Hamerton, 475 Dewey Blvd.

Contract Award.
FLATS Cost, $17,742
SAN FRANCISCO. E Dolores 260 N 19th Street.
Three-story and basement frame (6) flats.
Owner—Bertha Klemme, 47 Ashbury Street.
Architect—None.
Contractor—W . L. Hemminga, 47 Ashbury Street.

Contract Award.
FLATS Cost, $13,500
OAKLAND. N Wickson Ave. 50 E Walker Ave.
Two-story 14 room frame flats.
Owner—John Andrews, 355 12th St., Oakland.
Architect—Hutchinson & Mills, 1512 Broadway, Oakland.
Contractor—C. E. Graff, 355 12th St., Oakland.

Carpentry Contract Awarded. Subfigures Being Taken On Balance of the Work.
FLAT BLDG. Cost, $15,000
SAN FRANCISCO N Filbert E Polk.
Two-story and basement frame and plastered flat bldg. (four 4-room flats and garages).
Owner—M. Geggus.
Architect—W. C. Falsh, Hearst Bldg., San Francisco.
A. Cook, 1300 Florida Street, has the contract for the carpentry work.

Contract Awarded.
APT. FLATS Cost, $12,500
SAN FRANCISCO. S Dubose Ave. W Valencia St.
Two-story frame apt. flats (two 4-room and two 5-room flats).
Owner—A .J. Cline.
Architect—Walter Falch, Hearst Bldg.,
Contractor—E. Conlin.
NOTE—The contract includes all work except finish hardware, shades and electric fixtures.

GARAGES

Plans Being Figured—Bids Close Dec. 22, 1921
COM. GARAGE. Cost, $40,000
SAN FRANCISCO. W Jones Street 75 N O'Farrell Street
One-story and basement reinforced concrete commercial garage.
Owner—R. W. Kern
Architects—O'Brien Bros. 240 Montgomery St., San Francisco.
Figures will be taken for a general contract.

Low Bidder
GARAGE [illegible]
SAN JOSE, Santa Clara Co., Cal. San Fernando St. between Orchard and San Pedro Sts.
One-story reinforced concrete garage.
Owner—Penson & Weaver.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Low Bidder—Wm. Moore, San Jose

GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO—Until Dec. 29, 11 A. M. under Order No. 3371, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. f. o. b. wharf, Rio Vista, Solano county, Calif., miscellaneous suction pipe castings, etc. Further information on application.

SAN FRANCISCO—Until Dec. 30, 11 A. M. under Order No. 3412, bids will be received by U. S. Engineer Office, 240 Montgomery St., for fur. and del. in water at San Francisco or Sacramento, Calif., or f. o. b. cars at destination selected by bidder approx. 24,500 lin. ft. of Douglas Fir piling, 100-lengths, approx. 35 to 55 feet long. Further information on application.

WASHINGTON, D. C.—Federal Steel Fixture Co., Park Row Bldg., New York, at $8,051.70 awarded contract by the Bureau of Yards and Docks, Navy Department, to install steel shelving, counters, bins and wire partitions under Specification No. 4745 at San Diego Naval Base, California.

John S. Tate, 3930 Oregon St., San Diego, at $1,725 awarded contract to paint buildings and water tank at San Diego, under Specification No. 4547.

WASHINGTON, D. C.—Bureau of Yards and Docks, Navy Department, rejects bids of John Eisenhart, Los Angeles, at $4,351 and J. P. Glaser & Co., San Francisco, at $4,800 with alternate of $[illegible], for constructing Dutch ovens at Marine Base, Mare Island Navy Yard. Bids opened November 30.

SAN FRANCISCO.—U. S. Engineer Office awards contract to Olympian Dredging Co., 249 First St., San Francisco, for hire and operation of dredging plant at approx. $125,000.

WASHINGTON, D. C.—The contract for installing mechanical equipment in various buildings at the U. S. Public Health Service Hospital, Walla Walla, Wash. has been awarded to Bergh-Briggs Co., 936 Commerce St. Tacoma, Wash., at $121,37[illegible] [illegible] completion, 6 months.

WASHINGTON, D. C.—Until Jan. 18 bids will be received by Bureau of Yards and Docks, Navy Department, under Specification No. 4556, for rebuilding and extending Pier No. 5 at Puget Sound, Washington, Navy Yard.

SEATTLE, Wash.—Until Jan. 12, 11 A. M. bids will be received by [illegible] Engineering Commission, Bell Street Terminal, under Circular No. 538 for furnishing [illegible] two passenger coaches. Specifications and further information regarding this Circular may be had from the San Francisco office of the Commission, 206 [illegible] House.

SAN FRANCISCO.—Until [illegible] A. M. under Proposal [illegible] will be received by [illegible] delivering hardening compound, octa[illegible] escutcheon pins, tacks, casket trimmings, extension ladders, O. P. lumber, locks, saw swages, washers, stove boards, vitrified sewer pipe, iron pipe and fittings, plumbing materials, hose, paints, bolts, packing, cotton waste, electrical supplies, asphalt saturated sheathing felt, etc.

WASHINGTON, D. C.—Drabo Construction Co., Pittsburg, Pa., at approx. $311,492 submits low bid for constructing emergency dam for the Lake Washington Ship canal in the [illegible] of Washington.

WASHINGTON, D. C.—[illegible] expenditure of $[illegible] [illegible] and harbor improvements is recommended by Major General Beach, Chief of Army Engineers. California improvements are [illegible] as follows: Los Angeles harbor, $[illegible]; [illegible] $[illegible]; San Francisco harbor, $[illegible]; Oakland harbor, $[illegible]; Richmond harbor, $260,000; Petaluma [illegible] harbor, $50,000; San Joaquin river, $35,000; Stockton and Mormon channels, $10,000; Sacramento river, $95,000.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 9153, various eastern and western yards, a miscellaneous quantity of calcium carbide. Dec. 27.

Schedule 9172, Mare Island, a miscellaneous quantity of white ash. Jan. 3.

Schedule 9173, Mare Island, 15,000 pounds kapok fiber. Jan. 3.

Schedule 9174, Puget Sound, a miscellaneous quantity of voice tubing. Jan. 3.

Schedule 9188, various eastern and western yards, a miscellaneous quantity of pipe fittings. Jan. 3.

Schedule 9189, various eastern and western yards, a miscellaneous quantity of furniture. Jan. 3.

Schedule 9190, various eastern and western yards, a miscellaneous quantity of carpets and rugs. Jan. 3.

Schedule 9191, various eastern and western yards, a miscellaneous quantity of tires and tubes. Jan. 3.

Schedule 9192, various eastern and western yards, a miscellaneous quantity of solid tires. Jan. 3.

Schedule 9199, various yards, medium black steel shapes. Dec. 10.

Schedule 9206, for Mare Island, 650 reams emery cloth. Jan. 10.

Schedule 9211, Puget Sound, 1,350 grease cups. Jan. 3.

Schedule 9216, for eastern and western yards, miscellaneous twist drills. Jan. 10.

Schedule 9232, for eastern yards, 200 gals. waterproof varnish and miscellaneous asphaltum and damar varnish. Jan. 3.

Schedule 9233, for Mare Island, 2,750 [illegible] upholstery [illegible] Jan. 10.

Schedule 9234, for eastern and western yards, miscellaneous terra cotta linoleum. Jan. 10.

Schedule 9239, for Puget Sound, 3,000 22x36-in. linen glass towels. Jan. 10.

Schedule 9240, eastern and western yards, coke. Jan. 10.

WASHINGTON, D. C.—[illegible] complete summary of projects for [illegible] Specification 4455, Puget Sound, repairs to roof.

Specification [illegible] passenger elevator in hospital.

Specification 4518, Pearl Harbor, superstructure for new machine shop.

[illegible] fixtures.

Specification 4544, San Diego, Calif., cold storage and refrigerating equipment.

Specification 4548, Pearl Harbor, turbo alternator.

Specification 4561, Mare Island, Calif., addition to shell house and magazine.

Specification 4562, Puget Sound, Wash., sea wall.

Specification 4563, naval station, San Diego, Calif., 6 barracks and entrance gates.

Specification 4564, Puget Sound, Wash., addition to shell house.

Specification 4566, Pearl Harbor, 5 buildings for torpedo and ammunition storage.

Specification 4567, Pearl Harbor, mine storage building, ammunition depot.

Plans for these improvements are yet in a preliminary state and applications for further information, at this time, are useless. Further mention will be made when bids are desired.

HALLS AND SOCIETY BUILDINGS

Contract Awarded.
DINING ROOM, ETC. Cost, $11,900
OAKLAND. E Peralta Ave. 400 N Hopkins.
One-story frame dining room and kitchen.
Owner—Fred Finch Orphanage.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.
Contractor—F. C. Stolte, 345 Laguna St., Oakland.

SANTA CRUZ, Santa Cruz Co., Cal.—Erection of a two-story reinforced concrete hall building costing $90,000 is planned by the local post of the American Legion. Structure will have an auditorium seating 1400.

HOSPITALS

Plans Being Prepared.
HOSPITAL Cost, $200,000
BERKELEY, Alameda Co. Dwight Way and Milvia Sts.
Four or five-story reinforced concrete and hollow tile hospital bldg.
Owner—Masonic Hospital Association, Richard L. Frye, president and manager.
Architect—G. F. Ashley & Evers, First National Bank Bldg., Oakland.
Figures will be taken in about two months. The present frame structure will be torn down.

SANTA BARBARA, Cal.—J. Y. Parker, Santa Barbara, has been awarded a contract at about $215,000 for all work complete for erecting new class A hospital bldgs. at Santa Barbara for St. Francis Hospital. E. L. Mayberry, 472 Pac. Elec. bldg., L. A., and Pool, Kirkhuff & Schaaf, Santa Barbara, associated archts. Main bldg. will be 4-sto., 40x190 ft. There will be a 3-sto. bldg., 40x90 ft., with chapel in 1st story and operating rms. above. Also a 1-sto. power plant and laundry bldg. Reinf. concr. and hollow tile constr., plas. exter., clay tile and comp. rf., cast stone, marble and tile, elevators, etc.

LOS ANGELES, Cal.—Louis A. Geisler & Son, 162 S. Middleton Pl., Huntington Park, was low bidder at $41,801.20 on the general contract for erecting a bath and ward bldg. at the county farm. Lohman Bros. were low bidders on plumbing at $6365. Bids referred to Wm. Davidson, chief county mechanical engineer. Two-sto., 44x118 ft. reinf. concr. frame fls. and rf. slab, hollow tile filler walls, plas. exter., comp. rfg., steam heat. Baths, laundry and barber shop in first story, and 4 wards in 2nd story. The bids were:

General Contract—Louis A. Geisler & Son, $41,801.20; Dow Construction Co., $44,846; R. H. Whinery, $46,000; C. J. Kubach Co., $47,978; Napier & Simpson, $57,175. **Plumbing**—Lohman Bros., $6365; Howe Bros., $6787; and J. Hokom, $7830.

HOTELS

Plans Being Prepared.
STORE AND HOTEL Cost, $35,000
STOCKTON, San Joaquin Co., Cal., Lafayette Street.
Three-story class C store and hotel bldg. (48 rooms and 3 stores).
Owner—V. & G. Puma.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

Owner Taking Segregated Figures.
HOTEL AND STORE Cost, $19,000
LODI, San Joaquin Co., Cal.
Three-story brick hotel and store bldg.
Owner—John Graffigna, Lodi.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton, Cal.
The foundation has been started.

Plans Being Figured.
ALTERATIONS Cost, $75,000
SANTA ROSA, Sonoma Co., B and 4th.
Two-story addition and alterations Occidental Hotel.
Owner—J. M. Whittingham.
Lessee—L. Rossi and Mr. Nelson.
Architect—Wm. Herbert, Santa Rosa.

Contract Award.
HOTEL Cost, $60,000
OAKLAND. E Jackson St. bet. 19th and Lake Merritt.
Three-story frame hotel (54 rooms).
Owner—Arthur Alexander.
Architect—None.
Contractor—California Builders' Co., 1534 Franklin St., Oakland.

Work Started.
HOTEL Cost, $150,000
FRESNO, Fresno Co., Cal. Kern and L Streets.
Three-story reinforced concrete and brick store and hotel building.
Owner—Milo L. Rowell.
Architect & Contractor—R. F. Felchlin Co., Bank of Italy Bldg., Fresno.
The excavating has been started.

NAPA, Napa Co., Cal.—Walter Bamberg has been appointed by Chamber of Commerce to secure estimates of cost, etc., for erecting a modern hotel in this city. A campaign for funds will be made by the Chamber when further data on the project is available.

PUBLIC BUILDINGS

SANTA ROSA, Sonoma Co., Cal.—Harry L. Hall appointed county purchasing agent by the Supervisors at a salary of $285 a month.

SAN JOSE, Santa Clara Co., Cal.—Architects Binder & Curtis, 255½ S. First St., San Jose, has been commissioned by the Supervisors to prepare tentative plans for a combined county court house and jail building. The exact cost of the structure has not yet been determined.

SEBASTOPOL, Sonoma Co., Cal.—Chamber of Commerce is taking straw ballot to obtain sentiment on a proposed bond issue for a combined new city hall and American Legion club house, estimated cost $32,500. Preliminary plans for the structure are being prepared.

SAN FRANCISCO—Following bids received by Board of Public Works for painting municipal car barn at Geary and Presidio avenue:

J. H. Mohr	$1,275
I. R. Kissel	1,800
R. Zelinsky	1,440
M. G. Zelinsky	1,345
Haskins & Co., (void)	1,268
The Neal Co.	1,390

The bid of Haskins & Co., will not be considered by the Board due to the fact that the certified check was not equal to 10% of the amount bid.

RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, $14,000
PIEDMONT, Alameda Co., Cal.
Two-story frame residence and garage (9 rooms).
Owner—G. E. Bennett.
Architect—W. E. Schirmer, Thayer Bldg., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $8,000
OAKLAND. Mundana Blvd.
One and one-half-story frame and plaster (7 rooms and garage).
Owner—Mr. C. Lippmann.
Architect — W. E. Millvain, Albany Bldg., Oakland.

Contract Award.
RESIDENCE Cost, $8,496
OAKLAND. Lakeshore Highlands.
Two-story and basement frame residence.
Owner—John J. and Mabel Wellendorf, 2400 Grove, Berkeley.
Architect — Schirmer-Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Enoch Tranmal, 483 Crescent St., Oakland.

Plans Being Figured.
RESIDENCE Cost, $10,000
BERKELEY, Cal.
Owner—Withheld.
Architect—W. H. Ratcliff, Jr., 1st Natl. Bank Bldg., Berkeley.

Figures to be Taken in a Week.
RESIDENCE Cost, $30,000
SAN FRANCISCO. Sea Cliff.
Two-story frame and stucco residence (10 rooms and a garage).
Owner—Mrs. L. Martin.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $12,000
SAN FRANCISCO. Sea Cliff.
Two 2-story frame and plaster residences (8 rooms and garage each).
Owner—Leroy Shay.
Architect—H. C. Baumann, 251 Kearny
Figures will be taken for a general contract in about a week.

SCHOOLS

Plans Being Figured—Bids Close Jan. 3, 1922, 9 A. M.
CARPENTRY, ETC. Cost, $——
DAVIS, Yolo Co., Cal. University Farm School.
Carpentry and mill work, lathing, furring and plastering and roofing
Owner—University of California.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Plans may be obtained from the architect's office. **See call for bids under proposal column.**

Figures To Be Taken Within a Week.
SCHOOL Cost, $13,000
MODESTO, Stanislaus Co., Cal. 8 miles from Modesto.
One-story 3 room brick and hollow tile school.
Owner—Stoddard School District.
Architect—Jas. H. Hoose, Ramont Bldg., Modesto.

Contract Award.
SCHOOL Cost, $26,497
CASTRO VALLEY, Alameda Co., Cal.
All work except heating for a one-story frame and plaster school (6 rooms and auditorium).
Owner—Castro Valley School District.
Architect—Henry C. Smith, Humboldt Bank Building, San Francisco.
Contractor—Ruegg Bros., Pacific Bldg., San Francisco.
Heating award to Jas. A. Nelson, 517 6th St., San Francisco, at $2,352.

Plans to Be Prepared.
SCHOOL Cost, $45,000
IRVINGTON, Alameda Co., Cal.
One-story school (6) rooms and auditorium.
Owner—Irvington School District.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
A bond election will be called for shortly.

Figures to be Taken Shortly.
SCHOOL Cost, $200,000
CAMPBELL, Santa Clara Co., Cal.
Reinforced concrete high school buildings.
Owner—Campbell Union High School District.
Architect—Wm. H. Weeks, 369 Pine St., San Francisco.

MANTECA, San Joaquin Co., Cal.—Trustees of Summer Home School District contemplate calling election to vote bonds to finance construction of a new school. Preliminary plans have been submitted by Architects Davis-Hellar-Pearce Co., Delta Bldg., Stockton.

VENICE, Cal.—John Simpson & Co., 701 Antonio Ave., Los Angeles, were low bidders at $27,950 on general contr. for new grade school bldg. at Venice. Edwin Bergstrom, 1128 Cit. Nat. Bank Bldg., Los Angeles, archt. Other low bidders were: Standard Electric Co. on wiring at $792; Pac. Gas Rad. Co. on heating at $894; Alhambra Wall Paper & Paint Co., on painting at $1198; Venice Sanitary Plbg. Co. submitted only bid on plumbing at $1649.40; and C. F. Weber & Co. were only bidders at $530 on blackbds. Bids taken under advisement. Six classrms., brick constr., plas. and press. brick exter., clay tile rf., pine trim. The bids were:

General Contract—John Simpson & Co., $27,950; J. B. Harris, $29,979; J. L. Schimmer & Co., $33,023; and McFadden & Winkelman, $34,440. **Electrical Work**—Standard Electric Co., $792; American Elec. Constr. Co., $800; F. E. Newberry Co., $837; Prewitt Elec. Co., $884. **Gas Heating**—Pac. Gas Rad. Co., $894; Potter-Strutz Rad. Corp., $917; Williams Radiator Co., $1231. **Painting**—Alhambra Wall Paper & Paint Co., $1198; R. Zelinsky, $1765.

OROVILLE, Butte Co., Cal.—A. A. Plagge, Oroville, at $4,419, awarded contract by Board of Education to construct two-room addition to South Side school. Hibbard Bros., Oroville, submitted next low bid at $5,470.

SAN FRANCISCO—Until Jan. 4, 3 P. M., bids will be received by Board of Public Works for brick and hollow tile work on the Galileo (North Beach) high school now in course of construction on the east side of Van Ness Ave. bet. Bay and Francisco Sts. Bond of successful bidder set at $12,500. Plans may be had from Bureau of Architecture, 2nd floor, city hall. John Reid, Jr., city architect.

SEATTLE, Wash.—Until Jan. 5, bids will be received by Seattle School Board, Rueben W. Jones, sect'y., for one-story, 11-classroom, frame and concrete Columbia school at corner of Ferdinand and 37th Ave., S., estimated cost $150,000. F. A. Naramore, city school architect.

SAN FRANCISCO—Board of Public Works, on recommendation of City Architect John Reid, Jr., requests supervisors to authorize the preparation of plans for proposed addition to High School of Commerce on the north side of Fell street between Van Ness avenue and Franklin streets.

OLYMPIA, Wash.—Bids for constructing Lincoln school have been rejected and new bids will be asked. Low bids were submitted as follows: General construction, Western Concrete Co., Seattle, $83,887; heating and ventilating, Norton & Spangler, Seattle, $17,200; plumbing and sewerage, Rushlight & Hastorf, Portland, $8,900; electric wiring, J. J. Aguiter & Co., Seattle, $3,710.

OAKLAND, Cal.—Until Dec. 27, 4.30 P. M., bids will be received by Norval W. Cook, acting sec'y Board of Education for constructing administration building for Prescott school annex. **See call for bids under official proposal column in this issue.**

MONTE VISTA, Stanislaus Co., Cal.—J. D. Carlson, Turlock, at $13,838 awarded contract to erect a 1-story brick grammar school for Monte Vista school District from plans of Architect Jas. H. Hoose, Ramont Bldg., Modesto. Other bidders: W. A. Stevens & Son, Modesto, Cal., $16,734; Ubels & Van Til, Ripon, Cal., $14,850; Tornell & Edberg, Turlock, Cal., $14410; Miller & Livingston, Modesto, Cal., $13,666 (incomplete bid); O. C. Holt, Turlock, Cal., $14,947.

SAN FRANCISCO—The following bids were received by the Board of Public Works for constructing [illegible] sewers on Adams St. [illegible] between Polk and Van Ness Ave. [illegible] two-story reinforced concrete [illegible] building [illegible] Morris M. [illegible] bids.

General Construction

A. H. [illegible]	[illegible]
Elmo [illegible]	[illegible]
Hansen Bros.	[illegible]
O. Monson	49,438
E. L. Etherton	[illegible]
Anderson & Ring	[illegible]
John Spargo	[illegible]
Geo. Bos	47,617

Architect's Estimate, $50,000.

Plumbing

A. Leitich	$5,[illegible]
J. E. O'Mara	[illegible]
Scott Co.	5,822
[illegible]	[illegible]

Estimate, $5,000.

Heating and Ventilating

F. J. Enright	$2,830
A. [illegible]	[illegible]
Turner Co.	[illegible]
J. E. O'Mara	[illegible]
Scott Co.	2,520
[illegible]	[illegible]

Estimate, $3,000.

Electric Work

Burke [illegible]	[illegible]
M. E. Ryan	1,722
Turner Co.	[illegible]

Estimate, $1,500.

NAPA, Napa Co., Cal.—The following bids were received on December 19th, by the Board of Trustees of the Napa School District for the construction of a two-story reinforced concrete school to be known as the "Lincoln School" and for the heating system in the "John L. Shearer School." Plans were prepared by architect W. H. Weeks, 369 Pine St., San Francisco. All bids were taken under advisement.

General Construction

Mahony Bros., Flood Bldg., San Francisco, (1) $129,710; (2) $130,910; (3) $128,710; (4) $129,710. Alternate, (1) $400; (2) $500; (3) $[illegible]; (4) $1,600; (5) $800.

Barrett & Hilp, San Francisco, (1) $131,934; (2) $132,684; (3) $129,734; (4) $131,300. Alt., (1) $200; (2) $1,280; (3) $1,000; (4) $1,800; (5) $100.

J. W. Cobby, San Francisco, (1) $133,980; (2) $134,730; (3) $130,830; (4) $133,330. Alt., (1) $400; (2) $300; (3) $1,000; (4) $1,550; (5) $4[illegible].

Larsen & Siegrist, San Francisco, (1) $134,762; (2) $135,762; (3) $134,522; (4) $135,472. Alt., (1) $1,000; (2) $350; (3) $1,005; (4) $1,549; (5) $690.

G. P. W. Jensen, San Francisco, (1) $139,200; (2) $141,300; (3) $137,802; (4) $138,700. Alt., (1) $2,200; (2) $400; (3) $1,100; (4) $1,000; (5) $700.

Chas. Stockholm, San Francisco, (1) $[illegible]; (2) $149,5[illegible]; (3) $138,850; (4) $138,300. Alt., (1) $700; (2) $500; (3) $1,100; (4) $1,900; (5) $200.

Frank Ausez, Richmond, (1) $143,700; (2) $145,[illegible]; (3) $[illegible]; (4) $143,[illegible]. Alt., (1) $24[illegible]; (2) $155; (3) $1,18[illegible]; (4) $1,[illegible]; (5) $60.

Heating

Combination Bids on Both Schools

Robt. Dalziel, Jr., (1) $12,427; (2) $1,347; (3) $27,554; (4) $[illegible].

Luppen & Hawley, (1) $13,400; (2) $1,450; (3) $24,790; (4) $1,640.

Scott Co., (1) $13,780; (2) $1,440; (3) $25,380; (4) $1,650.

J. E. O'Mara, San Francisco, (1) $13,784 (2) $1,685; (3) $29,450; (4) $1,795.

Frank J. Klimm, (1) $13,954; (2) $1,490; (3) $26,464; (4) $1,766.

Carl T. Doell, (1) $14,804; (2) $1,545; (3) $28,762; (4) $1,665.

[illegible]-Foral, (1) $14,975; (2) $1,[illegible]; (3) $29,975; (4) $1,450.

Thos. J. Kennedy, (1) $15,333; (2) $1,588; (3) $——; (4) $——.

[illegible] Hardware Co., (1) $15,[illegible]; (2) $1,877; (3) $29,137; (4) $2,[illegible].

[illegible] Co., (1) $16,600; (2) $1,[illegible]40; (3) $[illegible]80; (4) $2,080.

Vacuum Cleaning System

[illegible] Brew, Phelan Bldg., San Francisco [illegible] $ 578.00
S. F. Compressed Air Cleaning Co., San Francisco [illegible]
Young Hardware Co., S. F. 1,307.00

Time Clock System

International Time Recording Co., San Francisco [illegible] $727.75
Standard Electric Time Co., S. F. 745.00
Pacific Electric Clock Co., S. F.. 945.00

CASTRO VALLEY, Alameda Co., Cal. The following bids were opened on December 17, 1921, by the Board of [illegible] School District for the construction of [illegible] building to contain six classrooms and [illegible]. Plans were prepared by [illegible] Henry C. Smith, Humboldt Bank Building, San Francisco. The lowest bid for the general contract was submitted by Ruegg Bros., Pacific Building, San Francisco; W. H. [illegible], Oakland, was the [illegible] W. K. Nottingham, 368 16th St., Oakland, on the heating, and Hugo Frank, 953 A St., Hayward, on the painting. All bids

were taken under advisement. Bids were taken on the following propositions: (A) All work except the heating; (B) Grading and concrete work; (C) Carpenter work; (D) Plastering.

Ruegg Bros., San Francisco, (a) $26,997; (b) $4,578; (c) $14,536; (d) $3,450.

W. G. Thornalley, Oakland, (a) $27,585, (b) $——; (c) $——; (d) $——.

Sorensen Bros., Hayward, (a) $28,493; (b) $1,[illegible]; (c) $17,825; (d) $3,150.

Asmussen Bros., Hayward., (a) $29,050; (b) $1,[illegible]; (c) $[illegible]; (d) $4,000.

Fred Anderson, Oakland, (a) $31,813; (b) $5,250; (c) $15,53[illegible]; (d) $4,100.

M. E. Hopper & Sons, Oakland, (a) $31,998; (b) $5,274; (c) $16,280; (d) $4,556.

Geo. Bos, San Francisco, (a) $32,539; (b) $——; (c) $——; (d) $——.

Jensen & Peterson, (a) $——; (b) $[illegible]; (c) $[illegible]; (d) $——.

Plumbing

W. H. Picard, Oakland	$1,875
Scott Co.	1,930
Geo. Asmussen, Hayward	1,968
[illegible]	2,22[illegible]

Heating

W. K. Nottingham, Oakland	$1,999
P. J. Enright, San Francisco	2,175
Carl T. Doell, Oakland	2,221
W. H. Picard, Oakland	2,311
[illegible] A. Nelson, San Francisco	3,227

Painting

Hugo Frank, Hayward	$880
Vieux Bros, Hayward	994

STORES AND OFFICES

Plans Being Figured.
OFFICE BLDG. Cost, ——
LOS ANGELES. Olive near 8th.
Ten-story class A Telephone Exchange bldg. (100x142).
Owner—Jas. H. Adams.
Lessee — South California Telephone Co.
Architect — Richard D. King, Van Nuys Bldg., Los Angeles.

Plans Sent East for Approval.
STORE BLDG. Cost, ——
OAKLAND. Telegraph Ave.
Two 1-story frame store bldgs. (1 to contain 8 stores and the other 4 stores).
Owner—Chas. Munter.
Architect — W. E. Milwain, Albany Bldg., Oakland.
Preliminary estimates have been taken and sent East with the plans for approval.

Contract Awarded.
STORE BLDG. Cost approximately $18,000.
SAN FRANCISCO, S Geary St., E of Mason.
One-story and basement brick store building (2 stores).
Owner—M. Vandell.
Architect—S. Heiman, 57 Post St.
Contractors—MacDonald & Kahn, 130 Montgomery.

Contract Awarded.
STORE BLDG. Cost, $25,000
SAN FRANCISCO. NW Post and Jones Street.
One-story reinforced concrete store building (7) stores.
Owner—John Rosenfelds Sons.
Architect — Sam L. Hyman, Foxcroft Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St.
The excavation, grading, bulkheading, etc., has been awarded to A. J. Keeder, $500.

Contract to be Signed Shortly.
OFFICES Cost, $[illegible]
SACRAMENTO, Cal. L St. between 10th and 11th Streets.
Two-story brick store and office building, 80x160.
Owner—Archibald Mull.
Architects—Woollett & Lamb, Hagelstein Bldg., Sacramento.
Contractor—Herndon & Finnigan, 1814 17th St., Sacramento.

Contract Awarded.
STORE & OFFICE BLDG. Cost $16,513
SAN FRANCISCO. NE Eighteenth Avenue and Geary Street.
Two-story brick veneer store and office building.
Owner—Jacob Weissbein.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $9,500
SAN FRANCISCO. 136 Mason.
Alter. store for Tamale Restaurant (Red Southern gum trim, ornamental plaster, ceiling, etc).
Owner—Withheld.
Architect—O. R. Thayer, 110 Sutter St.
Plans will be ready for figures in about ten days.

Contract Awarded.
STORE & OFFICE BLDG. Cost $——
SAN FRANCISCO. NW Mission and New Montgomery.
Two-story and basement Class C store and office bldg., 80x60.
Owner—Sharon Estate.
Architect—Geo. Wm. Kelham, Sharon Bldg.
Contractors—Barrett & Hilp, 918 Harrison St.

SAN FRANCISCO—Interest in the proposed new Crocker National Bank Building, comparable only to the Woolworth Building of New York, was revived on the return of William H. Crocker from Washington.

Crocker said the policy of the bank would be to erect the building just as soon as conditions would permit.

The proposed new building on the site of the present Crocker National Bank Building, at the gore of Post, Market and Montgomery Streets, will rise to the height of 800 feet, thirty-eight stories in height, and will contain approximately 1000 offices.

Preliminary plans have been drawn by Willis Polk & Co., Hobart Building, who will have charge of the construction.

THEATRES

Sub-figures Being Taken.
THEATRE Cost, $150,000
SAN FRANCISCO. 18th Ave. & Geary.
One-story reinforced concrete theatre.
Owner—Rainbow Theatre Co.
Architect—O. E. Evans, 2569 Mission St., San Francisco.

Plans Being Prepared.
THEATRE BLDG. Cost, $——
SAN PEDRO, Cal.
Two-story brick theatre bldg. (11 stores and 17 offices, 1600 seats in theatre.
Owner—West Coast Theatres Co., Inc., Knickerbocker Bldg., Los Angeles.
Architect—Milwaukee Building Co., Wright & Callender Bldg., L. A.

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Official Proposals

BIDS WANTED FOR SUB-STRUCTURE FOR TERMINAL

NOTICE TO CONTRACTORS

BOARD OF STATE HARBOR COMMISSIONERS, Union Depot and Ferry House, San Francisco, California, December 19, 1921.

Sealed proposals or bids will be received at this office at or prior to **11 o'clock A. M., on Thursday, January 12, 1922,** for furnishing material and constructing the sub-structure for the China Basin Terminal, on the waterfront of the City and County of San Francisco.

The materials to be used in this work shall consist of the requisite quantities of creosoted piles, steel rails and fittings and Portland cement (all of which will be furnished to the Contractor by the Board), sand fill, rock fill, eucalyptus piles, green piles, Douglas fir lumber, fine concrete aggregate, coarse concrete aggregate, reinforcing materials, castings, structural steel, rods, bolts, spikes, car springs, ties, asphalt, etc. Creosoted piles and Portland cement will be furnished to the Contractor by the Board; steel rails and fittings, including rail spikes, will be furnished and laid by the Board. Green piles shall be furnished by the Contractor, unless the Board elects to furnish them as provided for in the specifications and bids. All other materials shown on the plans or called for in the specifications shall be furnished by the Contractor. All materials used must be of the best of their respective kinds if not especially specified herein. All materials used in the structures will be subjected to a rigid examination and test, and if found defective, under size, unsuitable or not as specified, will be condemned and must be immediately removed from the work by the Contractor at his expense. Materials may be rejected at any time for defects which may be disclosed, or which may develop in the course of the work, notwithstanding any previous test or inspection, and removed by the Contractor as indicated above.

No bid will be received unless it is made on a blank form furnished from this office and is accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal, to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within Six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The Contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the amount payable by the terms of the contract, with a Corporation, thereunto duly authorized by law and commonly known as a surety company, as surety (such surety company to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the Office of the Secretary), and conditioned for the faithful performance by the Contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the Contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contemplated by said contract or any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefits of material men, mechanics and laborers as provided by that certain act of the Legislature of the State of California, approved May 1, 1911 (Stats. 1911, p. 1422). Said bond must be acceptable to and approved by said Board both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the Office of the Secretary, Room No. 17, Union Depot and Ferry House, at or prior to 11 o'clock A. M., on **Thursday,** January 12, 1922, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing $20.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid:

"Bid for furnishing materials and constructing Sub-structure of China Basin Terminal."

JOHN H. McCALLUM,
HARRY H. COSGRIFF,
FREDERICK S. MOODY,
Board of State Harbor Commissioners
FRANK G. WHITE,
Chief Engineer.
HILLA GOHRMAN
Secretary.

NOTICE TO BIDDERS FOR CONSTRUCTION OF ADMINISTRATION BUILDING.

The Board of Education of the City of Oakland will on Tuesday, the 27th day of December, 1921, between the hours of 4.30 P. M. and 5.30 P. M., in Room 211, City Hall, west side of Washington Street between Fourteenth and Fifteenth Streets, receive sealed bids for the construction of an Administration Building, for the Prescott Annex School, situated south of Campbell Street and north of Fifteenth Street, in the City of Oakland, said work to be done in accordance with plans and specifications therefor on file in the office of the Secretary of said Board, Room 1102, of the City Hall, to which said plans and specifications reference is hereby made

The successful bidder shall at the same time with the execution of the contract execute to the City a bond for the faithful performance of the contract in the sum of twenty-five per cent of the contract price, and a labor and material bond in the sum of fifty per cent of the contract price.

On a deposit of Ten Dollars ($10.00) complete sets of said plans and specifications may be had by any prospective bidder. If these plans and specifications are not returned at time bid is submitted, or if they be mutilated the said deposit may be retained by the said Board of Education as agreed and liquidated damages for said detention and mutilation.

Contract must be entered into within five days after date of award and work on the construction of the Administration Building upon which bid is hereby requested shall be actually commenced within five (5) calendar days from and after the execution of the contract and shall be completed within sixty (60) working days from and after the execution of contract.

Progressive payments will be made in the manner provided in said specifications

Bids to be made on forms furnished [illegible] accompanied by certified check for not less than 10% of the total amount of the bid, check payable to E. K. Sturgis, City Clerk.

Bids will be opened by the Board on Tuesday, the 27th day of December, 1921, at the hour of 5.30 P. M., in the Board Room, 211, Second Floor of said City Hall, in said City of Oakland.

The Board reserves the right to reject any or all bids or any items of such bids.

NORVAL W. COOK,
Acting Secretary.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENTS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of the California **Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 16, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Riverside County, between Whitewater and Edom (VII-Riv-26-D), about seventeen and six-tenths (17.6) miles in length, to be paved with either Portland cement concrete or asphalt concrete.

Riverside County, between Edom and Indio (VII-Riv-26-E), about eleven and five-tenths (11.5) miles in length, to be paved with either Portland cement concrete or asphalt concrete.

These two sections are contiguous to one another and bids for them may be submitted separately or jointly.

Plans may be seen and forms of proposals, bonds, contract and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, [illegible] and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL P. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

BIDS WANTED FOR WORK ON DAIRY BUILDING

PROPOSAL FOR BIDS

Sealed bids will be received at the office of the Comptroller, University of California, Berkeley, California, **at or before 9 A. M., Tuesday, January 3, 1922,** for Carpentry and Millwork, Lathing, Furing and Plastering, and Roofing for the Dairy Building on the grounds of the University Farm School at Davis, California.

Plans and specifications may be obtained at the office of Wm. C. Hays, 1326 First National Bank Building, San Francisco, on deposit of $50.00 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications

[illegible] accompanied by [illegible] bid [illegible] k. No bids [illegible] considered [illegible] accompanied [illegible] certified [illegible] nd in favor [illegible] to 10% of the bid to secure execution of the contract by the successful bidder.

The right is reserved to reject any [illegible]

[illegible] IVERSITY OF CALIFORNIA.

BIDS WANTED FOR REPAIRING DOCK

NOTICE TO CONTRACTORS

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., 21 December, 1921.—Sealed proposals in triplicate, for repairing Dock at Fort McDowell, Cal., will be received here, [illegible] 1921, and then opened. Plans, specifications, etc., furnished on application. A deposit of $5.00 required to insure return of plans, etc.

NOTICE TO PUMP AND MOTOR MANUFACTURERS

The [illegible] tors of the Terra Bella Irrigation District will receive sealed bids or proposals **up to the hour of 11 o'clock A. M. on January 3, 1922**, for the furnishing of the following described pump and motor.

One horizontal centrifugal pump, capacity 5,000 gallons per minute against a head of 125 feet, to be direct connected to the following described motor.

One electric motor, 200 horse power, 2200 volts, 3 phase, 60 cycles, 1200 revolutions per minute, at no load.

All of the above to be in accordance with the specifications therefore and on file in the office of the Terra Bella Irrigation District.

Each bid must be accompanied with a certified check in the sum of at least 5 per cent of the total amout of the bid and made payable without recourse to the President of the Board of Directors of the Terra Bella Irrigation District as evidence of good faith that the bidder will enter into a contract and furnish a satisfactory bond that he will furnish the pump and motor, or pump or motor as specified in his bid.

All bids must be on blanks furnished by the District.

The Board of Directors reserves the right to reject any or all bids, to waive defects and to accept any part of any bid.

EARLE R. CLEMENS, Secretary.

NOTICE TO CONTRACTORS FOR EXCAVATING, GRADING AND CONCRETE WORK AT THE JEFFERSON SCHOOL.

The Board of Education of the City of Berkeley and of Berkeley School District in the County of Alameda, State of California, invites and the undersigned will receive at his office, 2133 Allston Way, Berkeley, California, **up to the hour of 4 o'clock P. M., December 27, 1921**, sealed proposals for furnishing the necessary materials, tools and labor for excavating, grading and concrete work at the Jefferson School situated on the corner of Sacramento street and Rose street, in Berkeley School District, in accordance with plans and specifications [illegible] of Education on June 15, 1920, and now on file in the office of the said Board of Education, 2133 Allston Way, Berkeley, California.

[illegible] specifications may be obtained from the offices of William C. Hays, 1325 First National Bank Building, San Francisco, California, or office of the Secretary of the Board of Education, 2133 Allston Way, Berkeley, California, upon depositing the sum of Ten ($10.00) Dollars, and must be returned within seven days or the said deposit will be forfeited and turned into the treasury of the said Board of Education.

Bids [illegible] furnished [illegible] William C. Hays. Work on the above contract must be commenced within 48 hours from notification of the Board of Education to commence said work [illegible] be diligently prosecuted until completion thereof, unless otherwise ordered by said Board of Education and [illegible] Architect.

The successful bidder will be required to furnish a surety bond acceptable to the Board of Education in a sum not less than twenty-five (25%) per cent of the contract price, guaranteeing the faithful performance of the contract; also a bond in a sum not less than fifty (50%) per cent of the contract price, guaranteeing the payment of all claims for labor employed or materials used in the excavating, grading and concrete work at said Jefferson School, as provided by an Act of the Legislature of the State of California entitled "An Act to Secure the Payment of Claims of Material-men, Mechanics or Laborers Employed by Contractors upon State, Municipal or other Public Works, Approved March 27, 1897," and must carry adequate insurance or give bonds indemnifying the Board of Education against liability for compensation provided by "Workingmen's Compensation Insurance and Safety Act, approved May 26, 1913," satisfactory to the said Board of Education.

All bids must be accompanied by a cash deposit or a certified check on a responsible bank and payable to the Board of Education for an amount equal to ten (10%) per cent of the amount of the bid.

If the bidder to whom the contract is awarded shall for five (5) days after such an award fail or neglect to enter into a contract and file the required bonds for the faithful performance of the contract and the furnishing of materials and labor, the cash deposit or certified check of said bidder may be declared forfeited to the Board of Education and shall be collected and paid into the General Fund of said Board of Education.

The Board of Education reserves the right to reject any and all bids.

By order of the Board of Education of the City of Berkeley, County of Alameda, State of California, December 13, 1921.

CLYDE BLANCHARD,
Acting Secretary of said Board of Education.

BIDS WANTED FOR TESTING LABORATORY BUILDING

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 9th, 1922**, at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made.

A testing laboratory building in the City of Sacramento, California.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated December 12, 1921.

BIDS WANTED FOR LINOLEUM

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors, Alameda County, Calif.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until Monday, January 9th, 1922, at 10 o'clock A. M.** (the day when said bids will be opened and the contract awarded) for the purchase of Linoleum for use at the Alameda County Hospital, near San Leandro, Alameda County, California.

Specifications on file in the office of the County Purchasing Agent open to inspection.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the Contract.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.

Dated December 12, 1921.

BIDS WANTED FOR ELECTRICAL WORK

NOTICE FOR BIDS

NOTICE IS HEREBY GIVEN that sealed bids will be received and opened by the Board of Trustees of the Elk Grove Union High School District of Sacramento County, California, **until eight o'clock P. M. of Friday, January 6th, 1922**, for furnishing and installing electric light fixtures, including electric lamps, etc., in the new High School building being erected in the City of Elk Grove; all in accordance with the plans and specifications as prepared by W. H. Weeks, Architect.

Plans and specifications may be seen at the office of the Architect, W. H. Weeks, 369 Pine Street, San Francisco.

All bids should be presented on blank forms furnished by the Architect.

Each bid must be accompanied by a certified check on some responsible California bank, in the sum of not less than Ten Per Cent (10%) of the amount bid; made payable to H. L. Ehrhardt, President of the Board of Trustees of the Elk Grove Union High School District, as good faith that the party to whom the contract will be awarded will, within Ten (10) Days enter into the necessary agreement and bonds for the faithful performance of said work, and in case the successful bidder to whom the contract is awarded fails or refuses to enter into said agreement and bonds, said check will be forfeited and retained by the said school district as liquidated damage.

The Board of Trustees reserves the right to reject any or all bids.

H. L. EHRHARDT, Pres.
S. R. GAGE, Clerk.

BIDS WANTED FOR STEAM HEATING SYSTEM

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of the Petaluma City High School District will receive sealed bids for the installation of a steam heating system, ventilation and fuel oil equipment for Petaluma Junior High School and Gymnasium Buildings to be erected on the lands recently purchased for that purpose, according to the plans and specifications prepared by Brainerd Jones, architect, and Albert A. Coddington, Consulting Engineer, and a copy of which can be procured at the said office of the said architect in the City of Petaluma, upon depositing with the said architect the sum of $15.00 (fifteen dollars), which said sum will be returned upon the return of the said plans and specifications within two weeks.

Each bid shall be accompanied by a certified check equal to ten per

cent of the amount bid, to be forfeited if such bid is accepted and such a bidder shall fail to enter into a contract for the construction of said system, within 10 days after acceptance of such bid.

Said sealed bids will be received **up to eight o'clock P. M., of the 10th day of January, 1922,** at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California, in the City Hall in the City of Petaluma.

The said Petaluma City High School District (as owners) reserve the right to reject any or all bids.

All bids must be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

By order of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

P. J. BLIM, Secretary.

BIDS WANTED FOR PROGRAM CLOCK SYSTEM

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of the Petaluma City High School District will receive sealed bids for the installation of a complete Program Clock and Bell System for Petaluma Junior High School and Gymnasium Buildings according to the plans and specifications prepared by Brainerd Jones, architect, a copy of which can be procured at the said office of the said architect in the City of Petaluma. Each bid shall be accompanied by a certified check equal to ten per cent of the amount bid, to be forfeited if such bid is accepted and such bidder shall fail to enter into a contract for the construction of said system within 10 days after acceptance of such bid.

Said sealed bids will be received **up to eight o'clock P. M. of the 10th day of January, 1922,** at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California, in the City Hall in the City of Petaluma.

The said Board of Education of Petaluma City High School District reserves the right to reject any or all bids.

All bids to be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California. By order of the said Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

P. J. BLIM,
Secretary.

BIDS WANTED FOR SCHOOL

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of Petaluma City High School District, Somoma County, California, will receive sealed bids for the furnishing of all labor and material necessary in the erection and completion of a Junior High School Building and Gymnasium Building on the lands recently purchased by the said Board of Education for that purpose, which said lands are bounded by Fair, Bassett, Broadway and English Streets, according to the plans and specifications therefor prepared by Brainerd Jones, Architect, of the City of Petaluma, and which said plans and specifications are now on file in the office of the said Board of Education at the City Hall in the City of Petaluma, County of Sonoma, State of California, and copies of which said plans and specifications can be procured at the office of the said architect in the said City of Petaluma, upon payment to the said [illegible] of the sum of [illegible] and no/100 dollars, [illegible] said sum will be returned upon return of the said plans and specifications.

Said sealed bids will be received **up to eight o'clock P. M. of the 27th day of December, 1921,** in the possession of the Secretary of the Board of Education of Petaluma City High School District, Sonoma County, California, at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, in the City Hall, in the said City of Petaluma.

Said sealed bids must be accompanied by a certified check in a sum equal to at least 10 per cent (ten per centum) of the amount of bid to do the work mentioned, which shall be forfeited if such bid is accepted and such bidder, or bidders shall fail to enter into a contract for the construction of said buildings in accordance therewith within fifteen days after acceptance of such bid.

No bids will be considered unless made out on blank forms furnished by said architect.

The successful bidder, or bidders, will have to give bonds in the sum of 50 per cent (fifty per centum) covering labor and materials, and in addition a 20 per cent (twenty per centum) bond for faithful performance.

The said Petaluma City High School District, Sonoma County, California (as owners), reserve the right to reject any and all bids.

All bids to be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma, City High School District, Sonoma County, California.

By order of the said Board of Education of Petaluma City High School District, Sonoma County, California.

P. J. BLIM,
Secretary.

BIDS WANTED FOR FURNITURE AND HOSPITAL SUPPLIES

NOTICE TO CONTRACTORS

Office of the Clerk of the Board of Supervisors, Alameda County, California.

Sealed bids will be received by the Clerk of the Board of Supervisors of Alameda County, at his office, **until Tuesday, December 27th, 1921, at 10 o'clock A. M.** (the day when said bids will be opened and the contract awarded) for the furnishing of equipment consisting of Furniture and Hospital Supplies for use at the Alameda County Hospital, near San Leandro, Alameda County, California.

Specifications on file in the office of the County Clerk open to inspection.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and fixed liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the Contract.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.

Dated November 28, 1921.

NOTICE TO CONTRACTORS

KLAMATH RIVER ROAD—TEE BAR SECTION

(25 miles above Somes Bar, Cal.)

SEALED PROPOSALS for constructing the above-named section of the [illegible] within the Klamath National Forest, County of Siskiyou, State of California, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, [illegible] Building, San Francisco, California, until 2 o'clock P. M., on the 24th day of January, 1922, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The length of the project to be constructed is approximately 3.4 miles and the principal items of work are ap-

[illegible]	45 sta
[illegible]	[illegible] cu. yds
Log cribbing	2,640 sq. ft.
[illegible]	[illegible] lin. ft.
[illegible]	[illegible] lin. ft.

The work embraced in this contract shall be started within ten days after notice of signing of contract by the Secretary of Agriculture has been given the contractor by the District Engineer, and shall be completed within 75 weather-working days after said notice has been given.

The contract form and the maps, plans, specifications, and estimate of quantities may be examined by responsible contractors at the following addresses:

881 Mills Building, San Francisco, California. After Dec. 25, 1921, Guy McMurtry, Somes Bar, California. After Jan. 1, 1922, J. E. Jensen, Happy Camp, California.

The Bureau of Public Roads will, if desired, furnish the successful bidder for use in constructing this road, 2-ton trucks, fresnoes, an air compressor, and other available equipment at the prices an on the terms set forth in the Special Provisions of the Specifications.

[illegible] proposals [illegible] be on forms furnished by the **District Engineer,** Bureau of Public Roads, and in accordance with the instructions forming a part of the Specifications above referred to.

[illegible] WHITSTER,
District Engineer.

December 20, 1921.

ALBRIGHT-PARISH MANUFACTURING CO. INCORPORATES

The Albright-Parish Manufacturing Co., dealing in general machinery, has filed articles of incorporation with the county clerk at Fresno. The company [illegible]

DAILY
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560 MISSION STREET SAN FRANCISCO, CAL.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

SAN FRANCISCO—Until Jan. 12, 11 A. M. bids will be received by State Board of Harbors Commissioners, Ferry Bldg., for constructing substructure for China Basin Terminal, estimated cost $800,000. Work will consist of constructing seawall 1000 ft. long, foundations and ground floor of building, 122 ft. wide and 812 ft. long, and filling in site. About 6,000 green piles and footings will be required in the project. Frank G. White, Chief Engineer. Plans may be had from office of Chief Engineer of Commission in the Ferry Bldg. **See call for bids under Official Proposal column.**

RED BLUFF, Tehama Co., Cal.—R. B. McKenzie of Gerber, at $1,260 awarded contract by supervisors for constructing steel girder bridge over Jackson Creek at Los Flores. Other bidders: Hart Construction Co., Gerber, $1,475; C. E. McCartney, Red Bluff, $2,250. W. F. Lunning, county surveyor.

OAKLAND, Cal.—City Council appoints W. L. Hess of the Union Construction Co., assistant harbor engineer at a salary of $225 a month.

STOCKTON, San Joaquin Co., Cal.—Until Jan. 4, 10 A. M. bids will be received by Eugene Graham, county clerk, for constructing 70-ft. steel poney truss bridge and trestle approaches over Little John Creek in Stanley avenue near Farmington. F. E. Quail, county surveyor.

OAKLAND, Cal.—Until Dec. 22, 12 M., bids will be received by Eugene K. Sturgis, city clerk, for excavating, hauling and depositing material (approx. 6,000 cu. yds.) for an earth and rock wall for Lake Merritt development. Spec. on file in office of clerk. Geo. Mattis, city engineer.

FRESNO, Fresno Co., Cal.—E. K. Angel, Dos Palos, at $14,500 awarded contract by supervisors for constructing 7 bridges and 25 culverts on Centerville-Dunlap road, involving, 243 ft. concrete pipe, 12-in. to 30-in.; 172 ft. corrugated metal pipe, 8 to 18-in.; 324 cu. yds. reinforced concrete; 18,900 lbs. reinforced steel; 59,319 ft. B. M. bridge lumber. Other bidders were: C. H. Gildersleeve, Fresno, $9,695; Pacific Constr. Co., Modesto, $17,950; Noble Constr. Co., Visalia, $16,949; Fredrickson & Johnson, Fresno, $17,999; Nate Lovelace, Visalia, $16,784.34; S. L. Enbee, Fresno, $17,406; E. C. Smallin, Clovis, $18,413; Home Constr. Co., Fresno, $16,920; Martin Constr. Co., Fresno, $17,[illegible]; Fisher & McNulty, Fresno, $17,250. Engineer's estimate, $1[illegible].

SACRAMENTO, Cal.—Following bids received Dec. 19 by Division of Engineering Irrigation, 627 Forum Bldg., for fur. and del. 1723 cu. yds. of broken stone for protection of the Sacramento River bank at the Edinger-Johnson place near Hood, about 20 miles by river below the city of Sacramento: Daniels Constr. Co., San Francisco, $3.00 per cu. yd. in place; Healy-Tibbitts Constr. Co., San Francisco, $3.15.

MERCED, Merced Co., Cal.—Until January 3, 10 A. M., bids will be received by P. J. Thornton, County Clerk, for constructing two reinforced concrete bridges. Bridge 85 over Lateral 6 and Bridge 87 over Lateral 8, on Stevinson-Irwin-Hilmar road Section 1, Road District No. 4; each 20 ft. in length. A. E. Cowell, County Surveyor.

PHOENIX, Ariz.—Lynn S. Atkinson, Jr., Chapman Bldg., Los Angeles was low bidder for constructing flood control dam on Cave Creek, Arizona, at $372,294 for Eastwood multiple arch dam plus 5% for engineering; total, $390,908; or earth-fill type without concrete core for $370,165. Coley & Black of Clifton, Ariz., bid $601,255 on design submitted by Cave Creek flood control board and $475,000 for earth filled dam without concrete core designed by state engineering department. Bids taken under advisement.

OAKLAND, Cal.—Supervisors postpone opening of bids for proposed rein. conc. bridge near Alvarado from Dec. 19 to December 27. Project involves 300 cu. yds. excavation and grading, 180 cu. yds. concrete 1-2-4 mix and 35,000 lbs. steel. Geo. Posey, county surveyor.

SAN RAFAEL, Marin Co., Cal.—Pacific Construction Co., 16 California St., San Francisco, at 59c cu. yd. awarded contract by council to construct levee at San Rafael, involving temporary wood flood gate and approx. 3,064 cu. yds. earthwork.

BENICIA, Solano Co., Cal.—Martinez-Benicia Ferry Co. awards contract to Miss E. E. O'Brien, Martinez, at approximately $40,000 for grading and making fill at the foot of Fifth street, the site of the new pier to be erected by the company.

INGLEWOOD, Los Angeles Co., Cal.—Los Angeles county supervisors will be asked to form a drainage district embracing about 500 acres southwest of city. Pipe or conduit for part of the drain and open ditches for remainder are proposed. Est. cost.

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IRRIGATION PROJECTS

BLYTHE, Riverside Co., Cal.—Until 12 o'clock, noon, Dec. 23, bids will be received by Palo Verde Joint Levee District, at office of Palo Verde Mutual Water Co. in Blythe, for the excavation and embankment of approximately 545,085 cu. yds. of earth and approximately 319.6 acres of clearing and grubbing along the Colorado River in Palo Verde Valley. C. K. Clarke, chief engineer of the district.

DORRIS, Siskiyou Co., Cal.—Engineer C. T. Darley, Klamath Falls, Ore., has completed a survey for the proposed Butte Valley Irrigation District and preliminary plans are before the State Bond Certification Board for approval. The district comprises about 40,000 acres in Butte Valley. J. D. Hammond and W. F. Hipes of Macdoel are president and treasurer, respectively, of the district. Approximately $1,000,000 will be expended in construction.

SPOKANE, Wash.—A proposal for the formation of the Columbia River Dam and Irrigation district, comprising about 600,000 acres of land in Grant county, Washington, was dedefeated at a special election. The proposed district, which would have involved an estimated cost of about $50,000,000 was opposed by supporters of the Columbia Basin Irrigation project. J. T. Simpson of Ephrata is interested in the proposed district.

VENTURA, Ventura Co., Cal.—Richard Bard, C. C. Perkins, W. E. Goodyear and associates, plan to irrigate 4000 acres of Las Posas Ranch near Oxnard at a cost of $292,000. Two mutual water companies will be formed.

LIGHTING SYSTEMS

OROVILLE, Butte Co., Cal.—Chamber of Commerce appoints committee to secure estimate cost, etc., for a modern lighting system.

BURLINGAME, San Mateo Co., Cal.—Bids have been ordered called by city trustees for installing electrolier system in certain streets.

SACRAMENTO, Cal.—City Engineer Albert J. Givan has completed specifications for lighting alleys in the district bounded by 2, 4, I and L streets.

MACHINERY

OAKLAND, Cal.—The following bids were received by the City Clerk of Oakland for repairing of the dredge "City of Oakland." All bids were referred to the City Attorney:

Hanlon Dry Dock & Shipping Co.	$36,400.00
A. W. DeYoung	42,641.00
Moore Shipbuilding Co.	45,000.00
Crowley Launch & Tug Co.	48,100.31
Union Construction Co.	54,950.00
Barnes & Tibbits	81,822.62

OAKLAND, Cal.—Hanlon Drydock and Shipbuilding Co., Foot of 5th Ave., Oakland, at $36,400 awarded contract by city council for dry docking, cleaning, painting, re-equipping and repairing Dredger "City of Oakland," including anchor barge and pontoons. Ralph Bebee, harbor engineer.

TRACY, San Joaquin Co., Cal.—Until January 13, 10 A. M., bids will be received by Naglee Burk Irrigation District for constructing telephone [illegible] (Contract No. 6). Lynn O. Stark Secretary of District.

SANTA ROSA, Sonoma Co., Cal.—Until Jan. 11, 1:30 P. M. bids will be received by W. W. Felt, Jr., county clerk, for constructing county asphalt heating plant at Santa Rosa, estimated cost, $4,000. R. Press Smith, county surveyor.

OAKLAND, Cal.—Until Dec. 22 11 A. M. bids will be received by Eugene K. Sturgis, city clerk, for fur and del hoisting equipment for a floating pile driver.

Separate bids same date for fur. air equipment for a floating pile driver for City of Oakland. Spec. on file in office of clerk. Geo. Mattis, city engineer.

MONROVIA, Cal.—Until 10 A. M., Dec. 29, bids will be received at office of O. A. Gierlich, Civil Engineer, 209 National Bank Bldg., Monrovia, for installing riveted steel pipe under private contracts as follows: 2400 f. 10-in. 14 gauge; 1135 ft. 8-in. 14 gauge; 800 ft. 8-in. 14 gauge. Certified check or bond for 10%. Plans may be seen at the office of Engineer, 209 National Bank Bldg., Monrovia.

POMONA, Los Angeles Co., Cal.—Buffalo-Springfield Co., was awarded contract for furnishing 12-ton steam roller to city at $5960 f. o. b. Pomona, allowing $1500 for old roller.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, appropriates $650 to purchase 5-passenger auto for use of Dept of Public Works.

REDWOOD CITY, San Mateo Co., Cal.—W. P. Hern & Co., Rialto Bldg., San Francisco, at $11,248.37 awarded contract by City Trustees for furnishing and delivering 6100 lin. ft. 12-in., 900 lin. ft. 6-in., 5726 lin. ft. [illegible] and 396 lin. ft. 10-in. cast iron water pipe, Class B with fittings. Other bidders were: U. S. Cast Iron Pipe & Foundry Co., $11,452.94; American Cast Iron Pipe Co., $11,611.17; E. D. Wood & Co., $11,988.32; Central Foundry Co., $12,224.12. **Victory Engineering & Sales Co., bid on pipe fittings included in advertised bid. $[illegible] per ton; approximately [illegible] tons.** C. E. Dussault, City Engineer.

ALAMEDA, Cal. The following bids were received on December 20, by the city clerk of Alameda, for the construction of a municipal garbage incinerator. All bids were taken under advisement:

Boughton & Dodge, [illegible] Ore., $48,679; alternate, $48,000; Nye Odorless Crematory Co., Macon Georgia double unit No. 14 $50,210, No. 10 furnace, $48,000, concrete stacks, $8,500. Ernst Hugberg, San Francisco, (1) $[illegible], (2) $8,500, (3) $74,171. Z. O. Ernst San Jose, (1) $48,[illegible], (2) $65,000, (3) $53,750, (4) $71,667, (5) $59,75[illegible], (6) $[illegible], (7) $[illegible], (8) $79,333.

TURLOCK, Stanislaus Co., Cal.—[illegible] Osborne, Turlock, awarded contract by City Trustees for installing Byron Jackson pump for Ward's works at $1,468.50. Other bidders: United Iron Works, Oakland, $[illegible]; Calif. Hydraulic Eng. & Supply Co., San Francisco, [illegible]; Horace Thompson Modesto, [illegible]; Turlock Hardware Co., Turlock, [illegible]. Harold Hall, City Engineer.

OAKLAND, Cal.—Until [illegible] bids will be received by [illegible] Sturgis, City Clerk, for [illegible] barge to Dept. [illegible] so arranged as to [illegible] dredger hull. Specifications on file in office of the clerk. Geo. Mattis, City Engineer.

RAILROADS

SAN FRANCISCO—Board of Public Works, on recommendation of City Engineer M. M. O'Shaughnessy requests supervisors to authorize the calling of bids for furnishing 20 or more center street cars for use on the municipal railways.

SAN FRANCISCO—Following [illegible] received by the Board of Public Works for furnishing and delivering 20,000 redwood ties for use on the Municipal Railway:

G. J. Heather	[illegible]	each
J. R. Hanity Co.	1.07	each
J. H. Baxter Co.	1.13⅔	each
J. H. McCallum	1.20	each

No bids were submitted under proposition No. 2 for furnishing [illegible] amount of cedar ties.

FIRE EQUIPMENT

HANFORD, Kings Co., Cal.—Until January 3, 8 P. M. bids will be received by D. C. Williams, City Clerk, for furnishing and delivering one final combination hose and chemical fire truck; delivery to be made f. o. b. Hanford. Specifications and further information may be had from clerk.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

CALIFORNIA—Until Jan. 24, 2 P. M., bids will be received by C. H. Sweetser, District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, 831 Mills Building, San Francisco, for constructing Klamath River Road, Tee-Bar section, 15 miles above Somes Bar, approximately 3.3 miles, involving 145 sta. clearing, 10,000 cu. yds. unclassified excavation, 2,640 sq. ft. log cribbing; 335 lin. ft. timber bridging and 1,622 lin. ft. corrugated metal pipe culverts. Plans may be had from office of the engineer. **See call for bids under official proposal column in this issue.**

BAKERSFIELD, Kern Co., Cal.—Until Jan. 3, 2 P. M. bids will be received by F. Nye Piper, city clerk, for improving Ke[illegible] St., bet. Baker and Union, involving 162,251 sq. ft. 3½-in. asph. conc. pavement with 1½-in. Warrenite-Bitulithic surface; 11,842 sq. ft. conc. gutters, 124 lin. ft. 12-in. and 112 lin. ft. 8-in. vit. sewer, 3 conc. manholes and 3 [illegible]; estimated cost, $[illegible].

Separate bids same date for improving portion of A, D, E, F and G Sts. in Bonn's addition to [illegible] Section 8, Blocks 28, 29 and 30, involving [illegible] sq. ft. 1½-in. asph. conc. base with 1½-in. [illegible] Bitulithic wearing surface, 9,720 sq. ft. conc. gutters, 1,061 lin. ft. conc. curb, 15,300 sq. ft. conc. sidewalks, 663 lin. ft. 6-in. vit. pipe, 1 manhole, 1 manphole, 116.5 lin. ft. conc. culvert; estimated cost $76,416.

SAN DIEGO, Cal.—[illegible] Gilmore-Wilson Co., Los Angeles, [illegible] Bldg., Los Angeles, were awarded contract for paving 21st St. betw. Martin and Thorn Sts. and Geo. R. Bixby, Gen. Drug Bldg., San Diego, [illegible] contract to pave 31st St. betw. Martin and Dwight Sts. [illegible] asph. conc. pavement.

SACRAMENTO, Cal.—Clark and Henery Construction Co., Oschner Bldg., awarded contract by City Commission to improve 16th St., bet. Y and [illegible] Ave. [illegible] and gutters, [illegible] manholes, 16 C. I. gutter drains, 8-in. vit. pipe sewer, grading and paving [illegible] asph. conc. [illegible] Kirkpatrick Bros. awarded contract to improve 24th St., bet. Y and [illegible] conc. curbs and gutters, 4 C. I. gutter drains, 6-in. vit. sewer [illegible] grading and paving with [illegible] asph. conc.

MODESTO, Stanislaus Co., Cal.—Council, L. A. Love, city clerk, declares intention to imporve 11th St., bet. F and B Sts., grading and paving [illegible] asph. conc. base with 1½-in. bitulithic wearing surface, conc. curbs and gutters; B St., bet. 10th and 11th; grading and paving with 3-in. asph. conc. base with 1½-in. bitulithic wearing surface, conc. curbs and gutters. Imp. Act 1911. Protests Jan. 11.

Intention declared to improve Mayson Ave., bet. Memory and Johnson, grading, paving with 2½-in. asph. conc. base, 1½-in. bitulithic surface, conc. curbs and gutters, brick manholes, conc. storm water inlets; etc. Imp. Act 1911. Protests Jan. 11. Geo. Freeman, city clerk.

SAN JOSE, Santa Clara Co., Cal.—Santa Clara County will spend approximately $300,000 on new road construction during the year 1922, according to [illegible] Surveyor.

LOS ANGELES, Cal.—C. A. Butterfield, 212 Sixth St., San Pedro, awarded contract at [illegible] for improving Thirty-seventh St. betw. Pacific Ave. and Carolina St. involving 465 sq. ft. concrete paving, [illegible] at [illegible], 22,600.5 sq. ft. [illegible] to 26c ft.; 22,600.5 sq. ft. oiling and rolling at [illegible], 1490.28 ft. [illegible] 7459 sq. ft. sidewalk at 24c ft.; 2981.72 [illegible]. Other bids were: C. W. [illegible], $[illegible]; [illegible] Asphaltum, $[illegible]; M. S. Cummings, $16,148.01; engr's est., $10,300.13.

LOS ANGELES, Cal.—[illegible] 10 A. M. [illegible] curb, gutter, sidewalks, culverts and [illegible] 81 ft. curb, 178 sq. ft. sidewalk, 8846 [illegible]

lin. ft. 15", 280 lin. ft. 18" and 176 lin. ft. 24" corrugated metal pipe; 144 monuments. Commission will furnish reinforcing steel, corrugated metal pipe and cement:

P. L. Burr, 512 Mission St., San Francisco	$145,777.50
E. B. & A. L. Stone Co., S. F.	159,320.50
Warren Constr. Co., Portland	170,503.00
D. D. Dellaca	171,703.50
Hard Bros., Ripon	173,565.00
Ralph Mellon Co., S. F.	175,004.00
California Coast Co., S. F.	176,006.80
Erickson & Peterson Co., San Francisco	177,869.50
John M. McMillen, Wasco	178,555.20
Blumenkranz & Vernon, Stockton	193,041.00
L. Santi, San Francisco	196,684.00
Henry-T. Mitts Constr. Co., San Francisco	198,221.75
Grant Smith Co., S. F.	199,639.80
Palmer & McBryde, S. F.	216,655.90
Eaton & Smith, S. F.	223,204.00
A. B. Beckberg, Los Angeles	232,840.00
Guy S. Atkinson, Coalinga	287,583.50
Engineer's estimate	193,697.50

LOS ANGELES, Cal.—Until 11 A. M., Jan. 3, bids will be received by county supervisors for improving George St., Lucille and Alliene Aves. and part of Alliene Ave. adjacent to the Wilmington & Salt Works road in Road Imp. Dist. No. 194. The contract involves 4720 cu. yds. excav., 4520 lin. ft. shaping roadbed, 10,303 sq. yds. 3½-in. oil macad. pavement, 6911 ft. curb and 28,339 sq. ft. sidewalk; materials required, 877 bbls. cem., 367 tons sand, 545 tons gravel, 2395 tons macad. rock Nos. 2 and 4, 755 tons of rock, 250 bbls. oil, 430 sq. ft. expansion joint, 217 lbs. lamp black. Average haul, 1½ mi. from Weston St. on Pac. Elec. Ry.; est. contract price, $28,122.55.

ANAHEIM, Orange Co., Cal.—Until 8 P. M., December 27, bids will be received by City Clerk Edw. B. Merritt for following street work under 1911 Act: East and West Chartres St. to be graded and paved with cement concrete base and asphaltic wearing surface; alleys running east and west through block N and block B, Center Tr. and south alley running east and west through block K, vineyard Lot D-5, to be paved with cement concrete. The paving on East and West Chartres St. will involve about 82,000 sq. ft. 6-in. concrete base, 1:2:4 mix, with 2-in. bit. surface. Paving in alleys will involve about 18,000 sq. ft. 6-in. concrete, 1:2:3½ mix.

HAYWARD, Alameda Co., Cal.—City Trustees, M. B. Templeton, Clerk, declare intention to construct 6-in. sanitary sewer with wyes for each 50 ft. lot frontage in Fifth St., from B to C streets, Improvement Act 1911. Protests January 4. Jesse B. Holly, Town Engineer.

SEATTLE, Wash.—Scalzo & Co., 1708 22nd Ave., S., at $95,612 for clay pipe, awarded contract for constructing trunk sewers, etc., in 53rd Ave., S. W., and other streets. A. Tocco & Co., 1125 20th Ave., S., at $12,410 awarded contract for grading in alley bet. Blocks 7 and 8, 17 and 18, Euclid Addition.

SAN FRANCISCO—Until Jan. 4, 3 P. M., bids will be received by Board of Public Works for improving 22nd St., bet. Mississippi and Texas, etc., involving 936 lin. ft. conc. curbs; 20,145 sq. ft. asph. conc. pavement; 237 sq. ft. art. stone sidewalks; 3 brick catchbasins and 100 lin. ft. 10-in. vit. pipe culverts.

Separate bids, same date, for improving Diamond St., bet. Chenery and Bosworth, involving 4400 cu. yds. cut; 312 cu. yds. fill; 618 lin. ft. conc. curbs; 7,666 sq. ft. asph. conc. pavement; 3 brick catchbasins and 70 lin. ft. 10-in. vit. pipe culverts. Plans may be had from City Engineer's office, 3rd floor, City Hall.

LOS ANGELES, Cal.—Chas. T. Salata, 405 S. Ditman St., awarded contract at $18,834.07 for improving Concord St. betw. Fifth and Sixth, involving 43,231.91 sq. ft. grading at 18c ft.; 43,231.91 sq. ft. oiling and rolling at 6.7c ft.; 3827.01 ft. curb at 70c ft. 13,903.7 sq. ft. sidewalk at 23c ft; 5715.68 sq. ft. concr. gutter at 32c ft. and storm drain at $1150. Other bids were: R. A. Wattson, $23,238.38; M. S. Cumming, $25,324.93; engr's est., $19,520.60.

SACRAMENTO, Cal.—Council M. J. Desmond, city clerk, declares intention to improve Downey Way bet. 36th and 39th; X St., 36th and Miller Way, 39th bet. Downey and Sherman Way; Sherman bet. Miller Way and Stockton Boul; 37th bet. Y and 39th; 41st from Sherman Way to a point 120 ft. south; 39th from Sherman Way to a point 120 ft. south, etc., etc., by constructing conc. curbs and gutters; vit. pipe sewers; C. I. gutter drains; grading and paving with 5½-in. asph. conc.

Intention also declared to improve 40th St., bet. 5th and 8th, conc. curbs and gutters, grading and paving with 5½-in. asph. conc. Albert J. Givan, city engineer.

SAN BERNARDINO, Cal.—H. H. Liesser, 126 Brookside Ave., Redlands, was awarded contract at $11,632.18 for paving 14th St. between Arrowhead Ave. and F St. with 4-in. concrete and oil and rock screenings surface. His unit prices being 16.5c sq. ft. for paving and 40c ft. for curb. C. E. Johnson, City Engineer. W. D. Bohan bid $11,667.77.

MODESTO, Stanislaus Co., Cal.—City Council orders paving of Needham and Magnolia avenues. Geo. Freitas, city engineer.

OAKLAND, Cal.—Until Dec. 29, 12 M., bids will be received by Eugene K. Sturgis, city clerk, for constructing sewer in Broadway bet. 2nd and 12th streets, involving: 601 lin. ft. of 10", 279 lin. ft. of 12", 804 lin. ft. 14", 316 lin. ft. 16", and 851 lin. ft. 18" vitrified pipe sewer; 110 lin. ft. 10" vitrified pipe conduit; 1 drop connection; 50 Y branches; 4 manholes; 9 catchbasins; deepen 7 existing manholes; remove 2850 lin. ft. of existing sewer; remove 3 existing manholes, and remove 9 existing catchbasins. Geo. Mattis, City Engineer.

SANTA ROSA, Sonoma Co., Cal.—W. L. McCall, Santa Rosa, $1,292 awarded contract by supervisors for constructing approx. 8,000 SBM R. W. box flume, involving 7,000 lin. ft. standard R. W. guard rail and 36 lin. ft. corrugated iron culvert, on Sebastopol-Forestville unit of County Highway system. Other bidders were: W. L. Proctor, Santa Rosa, $1672; D. E. Albers, Santa Rosa, $1657; J. H. Mathisen, Healdburg, $1510; Henry Twohey, San Francisco, $1518.

SONORA, Tuolumne Co., Cal.—Street paving, as proposed by City Trustees, will cost aproximately $50,000, according to estimates submitted by City Engineer C. W. Terry. A bitulithic pavement is proposed.

MODESTO, Stanislaus Co., Cal.—R. A. Carson Co., 303 Poplar St., Modesto, at $7,710 awarded contract by City Council for constructing storm sewer in Ninth street, between K and P, involving 1,980 ft. 36-in. and 480 ft. 42-in reinforced concrete pipe and 4 brick manholes. Pipe will be furnished by the city. Geo. Freitas, City Engineer.

MODESTO, Stanislaus Co., Cal.—Standard Paving Co., 9th and N streets, Modesto, awarded contract by council for improving alley in block between 15th, 16th, G and H streets, involving 8,000 sq. ft. grading; 7,878 sq. ft. 6-in. concrete pavement and 820 ft. O. P. headers;

Standard Co. also awarded contract to improve alley in block between 15th, 16th, I and J streets, involving 8,000 sq. ft. grading; 7,868 ft. 6-in. pavement and 800 ft. O. P. headers. Geo. Freitas, City Engineer.

PORTLAND, Ore.—Following low bids received by State Highway Commission:

Myrtle Creek Section of Pacific Highway in Douglas county, .27 miles grading and 350 cubic yards rubble masonry retaining wall construction. A. J. Hildebrand, Roseburg, $8,422, using iron pipe; using conc. pipe, $8,522.

Myrtle Point Bridge Section of Coos Bay, Roseburg Highway, in Coos county, 10 miles of grading. J. Hampshire, Grant Pass, Ore., using conc. pipe, $157,462; using iron pipe, Warren Construction Co., Journal Bldg., Portland, $139,189.

Medford-Agate Section of Medford-Crater Lake Highway in Jackson county, 8.5 miles grading and gravel surfacing. W. C. Stone, Portland, using conc. pipe, $62,957; using iron pipe, $63,003.

Island City-Elgin Section La Grande-Joseph Highway in Union county, 18.12 miles of grading. Contract awarded to Union County Court at $67,609 using conc. or iron pipe.

YAKIMA, Wash.—Burnett and Deming, Bellingham, Wash., at $181,877 submits low bid to city council for constructing a system of pipe lines for irrigation and domestic purposes. Other bidders: Hardy Const. Co., Yakima, $196,619; Standard Pav. Co., Yakima, $203,005; Coluccio & Erickson, Seattle, $205,169; Johnson Const. Co., Yakima, $202,642; Parker & Schram, Portland and Seattle, $200,919.

SAN JOSE, Santa Clara Co., Cal.—Until Jan. 3, 11 A. M., bids will be received by Henry A. Pfister, county clerk, for improving Bush and Wilson streets. Irving J. Ryder, county surveyor.

OAKLAND, Cal.—City Council, Eugene K. Sturgis, clerk, declares intention to construct cement sidewalks in portions of 73rd and Lawton Aves., Arthur, Lockwood and Weld streets. Imp. Act 1911. Protests Jan. 12. Geo. Mattis, city engineer.

SACRAMENTO, Cal.—Until Jan. 16, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., for paving with either Portland cement concrete or asphalt concrete about 17.6 miles of highway in Riverside county bet. Whitewater and Edom and for 11.5 miles between Edom and Indio, Riverside county, with either Portland cement concrete or asphalt concrete. These two sections are contiguous to one another and bids may be submitted separately or jointly. **See call for bids under official proposal column.**

STOCKTON, San Joaquin Co., Cal.—Clark and Henery Construction Co., 38 S. Sutter St., Stockton, at $28,795.17 submits only bid to council for improving East St., from Main to Fremont, involving: 1,633 cu. yds. cut;

471 cu. yds. fill; 3,029.30 lin. ft. curbs and gutters; 10,282.83 sq. ft. sidewalks; $6,808.63 sq. ft. 2½-in. cement gravel base with 4½-in. asphaltic concrete wearing surface laid in one course. Bid taken under advisement until Dec. 27. W. B. Hogan, city engineer.

SAN JOSE, Santa Clara Co., Cal.—Until Jan. 16, 11 A. M., bids will be received by Henry A. Pfister, county clerk, for constructing reinforced concrete revetment on Bodfish mill road, in Supervisor District No. 1. Irving J. Ryder, county surveyor.

LODI, San Joaquin Co., Cal.—City Engineer L. F. Barzellotti preparing specifications for paving Grand and Central avenues and Hilborn streets.

LONG BEACH, Cal.—Until 9.30 A. M., Jan. 3, bids will be received by city clerk for following street work:

For grading and paving with one course concr. first alley east of Orizaba Ave. from Anaheim St. to Pac. Elec. right of way; 1911 Act.

For grading and paving with concr. base and bituminous protective coat the first alley east of Bonita Ave. bet. 4th and 5th Sts.; first alley north of 4th St. from Bonita Ave. to 1st alley east; and 1st alley north of 4th St. from Cerritos Ave. west to 1st alley east of Bonita Ave; 1911 Act.

For grading and paving with one course concr. the first alley east of American Ave. betw. State and Esther Sts., and constr. concr. curb in State and Esther St.; 1911 Act.

PETALUMA, Sonoma Co., Cal.—Supervisors set Jan. 24 as the date to decide on the formation of the proposed Petaluma Municipal Water District.

SANTA CRUZ, Santa Cruz Co., Cal.—L. J. Byrne, Santa Cruz, awarded contract by council to construct in Cedar St., 644.31 ft. vit. sewer at $1.25 ft., and 22 wye branches at $1. James K James, city engineer.

SALINAS, Monterey Co., Cal.—City council plans immediate improvement of Monterey St., bet. San Luis and John; Winham and Harvest bet. South Main and California; Lincoln Ave., from San Luis to high school; avenues A and B; Soledad St., north from Gabilan through Chinatown and San Luis from Main St., through Front St., to the Kaler property. A concrete pavement will probably be selected. Donald F. Davies, city engineer.

RED BLUFF, Tehama Co., Cal.—City Trustees propose to create paving district to improve all of unpaved portions of Main Street; Oak Street from Main Street to the Sacramento River bridge, and Walnut Street west from the Southern Pacific tracks to the western limit of the city. An asphaltic concrete pavement is proposed. W. F. Luning, city engineer.

STOCKTON, San Joaquin Co., Cal.—Clark and Henery Construction Co., 38 S Sutter St., Stockton, at $4,675.10 submits only bid to council for constructing tennis courts at Oak Park, including fencing. Bid taken under advisement. W. B. Hogan, city engineer.

SANTA ROSA, Sonoma Co., Cal.—City Council grants petition seeking paving of Wilson avenue, from 3 to 9 with 3-in. asphaltic concrete on a 4-in. macadam base, declare intention to pave College avenue from Mendocino to Fourth with 3-in. asphaltic pavement on a 4-in. macadam base, paving of Third Street from E to F with 3-in. asphaltic concrete on a 4-in. macadam base. L. L. Mills City Engineer.

SAN FRANCISCO—The following bids received by Board of Public Works for street and sewer improvements:

Tara, bet. Ocean Ave. and Mt. Vernon, estimated cost $26,680, involves: 2420 cu. yds. cut; 2730 cu. yds. fill; 10 brick catchbasins; 30 lin. ft. 8-in. vit. pipe sewer; 3063 lin. ft. conc. curbs; 2240 sq. ft. art. stone sidewalks; 12,000 sq. ft. concrete pavement; 37,720 sq. ft. asph. concrete pavement; 285 lin. ft. 10-in. vit. pipe culvert. Low bidder, Pacific States Construction Co., Call Bldg., $21,951.38. Other bidders: Peter McHugh, $24,252.90; Jas. M. Smith, $23,218.80; Raisch Improvement Co., $23,911.

Forty-second Ave. bet. Cabrillo and Fulton; estimated cost, $11,000; involves: 1200 cu. yds. cut; 1200 lin. ft. concrete curbs; 7200 sq. ft. art. stone sidewalks; 24,000 sq. ft. asph. concrete pavement. Only bidder: State Improvement Co., $9,648.

Crossing of Baden and Hearst Ave.; estimated cost, $1750; involves 70 lin. ft. concrete curbs; 550 sq. ft. art. stone sidewalks; 3 brick catchbasins; 75 lin. ft. 10-in. vit. pipe vulverts; 3360 sq. ft. asph. concrete pavement. Raisch Improvement Co., 46 Kearny, only bidder at $1,927.

Alder St., bet. Harkness and Ankeny; estimated cost, $875; involves 235 lin. ft. 8-in. vit. pipe sewer; 2 brick manholes, and 18 vit. wye branches. Low bidder John Brady, $810.85; other bidders; Jas. T. Tobin, $1,473; T. M. Gallagher, $982.

Beach St., bet. Leavenworth and Hyde; Leavenworth, bet. North Point and Beach, and portions of Columbus Ave.; estimated cost, $15,100. Involves: 3200 cu. yds. cut; 598 lin. ft. conc. curbs; 2 brick catchbasins; 45 lin. ft. 10-in. pipe culverts; 28,722 sq. ft. asph. conc. pavement. Low bidder Raisch Improvement Co., $13,694.16. Only other bidder Jas M. Smith, $13,967.46.

Ulloa St. between 32nd and 34th Aves. Involves 1432 cu. yds. cut; 1243 lin. ft. concrete curbs; 1981 sq. ft. artificial stone sidewalks; 6 brick catchbasins; 215 lin. ft. 10-in. culvert; 38,679 sq. ft. asphaltic concrete pavement and reconstructing 3 brick catchbasins. Fay Improvement Co., Phelan Bldg., only bidder, $14,065.

Ulloa St. bet. 27th and 29th Aves. Project involves 1243 lin. ft. concrete curbs; 1981 sq. ft. artificial stone sidewalks; 6 brick catchbasins; reconstructing 3 existing catchbasins; 228 lin. ft. 10-in. culverts; 62,679 sq. ft. asphaltic concrete pavement. Fay Improvement Co., only bidder, $20,952.

Ulloa bet. 29th and 32nd Aves. Involving 169[illegible] cu. yds. cut; 1629 lin. ft. conc. curbs; 1,321 sq. ft. art. stone sidewalks; 6 brick catchbasins; 210 lin. ft. 10-in. culverts and 45,786 sq. ft. asph. conc. pavement. Fay Improvement Co., only bidder $16,200.

M. M. O'Shaughnessy, city engineer.

VALLEJO, Solano Co., Cal.—Thos. F. Geary, 351 12th St., Oakland, at $1,107.98 awarded contract by council for constructing in Indiana and Colusa Sts., approximately 970 lin. ft. 6-in. ironstone pipe; 30 6 x 4-in. wye branches; 1 manhole and 2 lampholes. Other bidders: Chambers and Dwyer, 258 Bacon Bldg., Oakland, $1,165.70; Downer and Mero, 325 16th St., Richmond, $1,315; T. E. Clinch, 668 9th St., Richmond, $1,429.40. T. D. Kilkenny, city engineer.

SACRAMENTO, Cal.—P. L. Burr, 512 Mission St., San Francisco, at $148,777.50 awarded contract by State Highway Commission for grading 7.3 miles in San Francisco and San Mateo counties, bet. Sloat Road and Sneath road.

Valley Paving and Construction Co., Goldstein Bldg., Visalia, at $18,303.20 awarded contract to surface with asphalt concrete 2.8 miles in Merced [illegible] between [illegible] and Merced and Gerard Aves.

J. A. Costello, 1083 Shotwell St., San Francisco, at $10,485 awarded contract for surfacing with asph. conc. .7 miles in San Joaquin county bet. Tracy and a point ¾ mile easterly. Austin B. Fletcher, state highway engineer.

BERKELEY, Alameda Co., Cal.—Downer & Mero, 2234 Macdonald Ave., Richmond, have been awarded a contract by the Council to construct a 6-in. vitrified sewer and manholes in portions of San Antonio avenue. C. L. Huggins, City Engineer.

LOS ANGELES, Cal.—Francis J. [illegible], 1316 Lyman Place, was the lowest bidder at $12,799 for constructing sewer in S. H. St. between Grand avenue and Figueroa street, etc. Other bids were: J. L. Stone, $14,[illegible]; G. D. Chase, $14,699; Leo Miletich, $14,773; John Antokovich, $15,[illegible]; M. Simunovich, $15,840; R. S. Nikcevich, $17,300; Adam Dalmatin & Mike Guho, $18,400; [illegible] Tomich, $21,[illegible].

SAN LUIS OBISPO, Cal.—Until Jan. 3, 10 A. M., bids will be received by the Supervisors for constructing Arroyo Grande-Huasna road involving 39,800 cu. yds. excavation; 400 cu. yds. concrete [illegible], etc., 18,750 lin. ft. [illegible] in culverts, etc. Warren B. Burch, County Surveyor.

MONTEREY, Monterey Co., Cal.—City Council opens bids called for improvement of Hoffman street [illegible] improvement District No. 3, [illegible] pipe [illegible] and [illegible] district [illegible] of Park street to Oak [illegible] and for the improvement of Carmelita and Abrego streets. H. D. Sevy, City Engineer.

[illegible] Contra Costa Co., Cal.—[illegible] A. C. Fairis, city clerk, [illegible] petition to pave Fourth St. [illegible] Ohio and Bryant avenue and [illegible] of Ohio avenue; grading, pavement [illegible] 2-course asphaltic concrete 5-[illegible] thick, concrete curbs, gutters, [illegible] portions, corrugated iron or steel culverts, vitrified [illegible] 1911. [illegible] H. D. Chapman, [illegible] Engineer.

SANTA ROSA, Sonoma Co., Cal.—W. L. Proctor, Santa Rosa, at 11½c a ft. awarded contract by supervisors for constructing 6,810 lin. ft. woven wire fence and two iron gates through Chisholm ranch. Other bidders: W. L. Proctor, 11½c per foot for fencing, and $17.50 per gate; Call Construction Co., 12½c and $14.50; D. E. Albers, 13c, and $15; J. H. Mathisen, 16c, and $21; [illegible] Bldg. Co. [illegible] and [illegible]; R. [illegible] Smith, county surveyor.

[illegible] CENTRO, Imperial Co., Cal.—[illegible] Miller & [illegible] 3788 S. [illegible] Ave., Los Angeles, were low [illegible] Sale [illegible] Miller & [illegible] [illegible] excavation and [illegible] [illegible] Kimball & Knapp (a) [illegible] (b) 21.2c; (c) 1c.

[illegible] Cal.—City Clerk instructed to call bids for furnishing and delivering 1000 yards of [illegible] for street improvements. Harry [illegible] City Engineer.

OAKLAND, Cal.—Council, Eugene K. Sturgis, Clerk, declares intention to improve portions of Tenth street, bet. Jefferson and Market streets, involving 767 lin. ft. concrete curb; 1,519 sq. ft concrete gutter and 21,101 sq. ft. asphaltic concrete pavement.

Intention declared to construct 980 sq. ft. cement sidewalks in East 14th street, from 52nd avenue southeast. Geo. Mattis, City Engineer.

EL CENTRO, Imperial Co., Cal.—Lynn S. Atkinson, Chapman Bldg., Los Angeles, was awarded contract at $35,-856.52 for paving portion of road from Calexico west, involving 100 yds. excavation 169,376 sq. ft. cement concrete pavement; placing reinforcement in 1000 sq. ft. pavement

SALEM, Ore.—Warren Constr. Co., Journal Bldg., Portland, at $139,189 has been awarded contract by the State Highway Commission to grade 10 miles on Myrtle Point Bridge section of Coos Bay-Rosebury highway, using iron pipe.

LOS ANGELES, Cal. Until 11 A. M., Jan. 9, bids will be received by Supervisors for grading roadway and constructing curb, gutter and sidewalk in Road Improvement District No. 122, Boyle Heights, work to include 1128 yds excavation; 4695 lin. ft. curb; 9560 sq. ft. gutter and 16,339 sq. ft. sidewalk; R. D. I. Act of 1907. Engineer's estimate, $11,299.60

EL CENTRO, Imperial Co., Cal. Kaufield & Knapp, Turlock, awarded contract at $59,886.09 for paving portion of Calexico-Bonds Corner road, involving 500 yds. excavation, 253,744 sq. ft. concrete paving and placing reinf. in 2000 sq. ft. pavement

RED BLUFF, Tehama Co., Cal. Resolutions on Intention being prepared to pave unimproved portions of Main St., Walnut St., west from railroad tracks to Brickyard creek and Oak St., from Main St., to the Sacramento river bridge, involving 148,800 sq. ft. 6-in. concrete pavement, 24 ft. wide; 2000 cu. yds. excavating, 330 cu. yds. embankment. Estimated cost, $45,655. W. F. Luning, City Engineer.

STATE WATER COMMISSION

CALIFORNIA—The following applications for permits to appropriate water were filed with the State Department of Public Works, Division of Water Rights, during the month of November:

Application No. 2617 (Marin Co.). W. C. Howe, A. A. Peters and Roy A. Lind, San Francisco, Cal., for 100 cu. ft. per sec. direct diversion, and 40,000 ac. ft. per annum storage from Salmon Creek, Marin County, for agricultural purposes.

Application No. 1618 (San Diego Co.) Ed. Fletcher and Wm. G. Henshaw, surviving partners of co-partnership formerly composed of Jas. A. Murray, Ed. Fletcher and Wm. G. Henshaw, and doing business under the firm name of Cuyamaca Water Company, San Diego, Cal., for all the flood waters of the San Diego River and all surface and subterranean waters of said river not otherwise appropriated to the extent of 100,000 miners inches, for irrigation of 25,000 acres and domestic supply. Estimated cost,$518,-000. Diversion by means of pipe line 34 miles long.

Application No. 2620 (Riverside Co.). H. L. Thompson, Trustee for proposed Hemet Irrigation District, Hemet California. 100 cu. ft. per sec. direct diversion from North Creek and 100 cu. ft. per sec. direct diversion from Strawberry Creek, and 40,000 ac. ft. per annum storage from North Fk. Creek and Strawberry Creek, for irrigation of 10,000 acres of land. Diversion by means of canal nine miles long. Estimated cost, $200,000.

Application No. 2623 (Tehama Co.) H. L. Shannon, San Francisco, Cal., 200,000 ac. ft. per annum for storage from Deer Creek, Tehama County, for irrigation of 30,000 acres.

Application No. 2626 (Placer Co.). John A. Livingston, trustee of proposed Mt. Pleasant-Lincoln Irrigation District, Auburn, Cal., 90,000 ac. ft. per annum storage from Bear River, Placer County, tributary of Feather River, for irrigation of 30,000 acres. Diversion by means of ditch.

Application No. 2629 (Calaveras Co.). City of Stockton, Cal., for 1000 cu. ft. per sec. direct diversion and 360,000 ac. ft. per annum storage from Calaveras River, Calaveras County, tributary of San Joaquin River, for power purposes.

Application No. 2630 (Calaveras Co.) City of Stockton, Cal., for 360,000 ac. ft. per annum from Calaveras River, Calaveras County, tributary of San Joaquin River, for irrigation of 34,000 acres.

Application No. 2631 (Amador Co.) City of Stockton, Cal., 400 cu. ft. per sec. direct diversion and 80,000 ac. ft. per annum from North Fork Mokelumne River, Amador County, tributary of San Joaquin River, for power purposes.

Application No. 2632 (Tuolumne Co.) City of Stockton, Cal., 150 cu. ft. per sec. direct diversion and 32,000 ac. ft. per annum storage from North Fork of Stanislaus River, Tuolumne County, tributary of San Joaquin River, for power purposes.

Application No. 2633 (Calaveras Co.) City of Stockton, Cal., 90,000 ac. ft. per annum from Calaveras River, Calaveras County, tributary of San Joaquin River, for municipal purposes.

Application No. 2638 (Maricopa Co.) Jas. P. Sweeney, 14 Montgomery St., San Francisco. 200 cu. ft. per sec. direct diversion and 200,000 ac. ft. per annum storage from South Fork of Merced River, Maricopa County, for power purposes. Amount of power to be developed 37,920 t. h. p. Diversion by means of canal 7 miles long.

Application 12-2641 (San Diego Co.) Ed. Fletcher and Wm. G. Henshaw, as surviving partners of a co-partnership composed of Jas. A. Murray, Ed. Fletcher and Wm. G. Henshaw, and doing business under the firm name of Cuyamaca Water Co., San Diego, Cal., for all the surface flow of the San Diego River and all surface and subterranean water of said river not otherwise appropriated to the extent of 1000 miners inches for domestic use and irrigation of 25,000 acres of land. Diversion by means of flume 34 miles long.

Application No. 2642 (Sacramento Co.) A. J. Cleary (Trustee Roseville Irrigation District in process of formation),440 Mills Bldg., San Francisco, Cal., 1000 cu. ft. per sec. direct diversion and 75,000 ac. ft. per annum from American River, Sacramento County, tributary of Sacramento River, for irrigation purposes.

Application No. 2643 (Trinity Co.) W. H. Samson, Corning, Cal., 125 cu. ft. per sec. direct diversion and 35,000 ac. ft. per annum storage from Stuarts Fork, Trinity County, for power purposes. Diversion by means of pipe line about 9 miles long. Estimated cost, $500,000.

Application No. 2645 (Humboldt Co.) Frank M. Wilson, 308 Y. M. C. A. Oakland, Cal., 75 cu. ft. per sec. from Camp Creek and Wilder Creek, Humboldt County, for power purposes operating light generating plant and saw mill.

Application No. 2646 (Mono Co.) J. C. Working and R. L. Gilmore, Bakersfield, Cal., 700,000 ac. ft. per annum from Leevining, Rush, Walker, Parker, Millard, Dexter Creeks and Gibbs Canyon, and all un-appropriated water in the Mono, Adobe and Black Lake watersheds, Mono County, for irrigation of 250,000 acres. Diversion by means of ditch, canal, tunnel and syphons approximately 250 miles long.

Application No. 2652 (Nevada Co.) Nevada Irrigation District, Grass Valley, California, 100,000 ac. ft. per annum from floodwaters of Bear River, Nevada County, for agricultural purposes. Diversion by means of canal 6 miles long. Estimated cost, $1,-500,000.

Application No. 2653 (Solano Co.) C. J. Uhl, Vacaville, Cal., 3 cu. ft. per sec. from Ulatis Creek, Solano County, for irrigation of 200 acres. Diversion by means of pipe line 2000 ft. long.

Application No. 2661 (Monterey Co.) Gladys K. Risley, Mary E. Bates, Adelaide T. Barnwell, Maud E. Woodward, Fresno, Cal.; .12 cu. ft. per sec. from a spring in Monterey County, tributary of Palo Colorade or Soberanes Creek, for domestic purposes and irrigation of 53.9 acres.

Application No. 2663 (Placer and El Dorado) Henry Worth, Auburn, Cal., 1,100 cu. ft. per sec. direct diversion, and 1,400,000 ac. ft. per annum, storage from Middle Fork of American River, Placer and El Dorado Counties, tributary of American River, for power purposes. Amount of power to be developed, 44,000 t. h. p.

Application No. 2664 (Placer Co.) Henry Worth, Auburn, Cal., 500 cu. ft. per sec. and 600,000 ac. ft. per annum storage from North Fork of American River, Placer County, for power purposes. Amount of power to be developed, 20,000 t. h. p.

Application No. 2665 (Trinity Co.) Humboldt-Placer Mining Co., a corporation, by Geo. E. Waggoner, attorney, 427 E. McLeod St., Stockton, Cal., 75 cu. ft. per sec. from Stuarts Fork of Trinity River, Trinity County, tributary of Trinity River, for mining purposes. Diversion by means of ditch and flume 26 miles long. Estimated cost, $250,000.

BUSINESS OPPORTUNITIES

Prof. John F. Sleeper, Santa Barbara, Cal., is in the market for rough and milled redwood lumber.

W. C. Stanley, 931 North Ninth St., Grants Pass, Ore., would like to get in communication with die makers and tool makers equipped to manufacture a patented wrench.

R. C. Osborne, 4598 Edgeware Road, Kensington Park, San Diego, Cal., is in the market for reed and fiber used in manufacture of furniture.

W. E. Mellinger, care Chamber of Commerce, Hermosa Beach, Cal., wishes to get in touch with the inventor of a cement sidewalk that will not hold dampness due to fog.

Edward L. Soule Co., 912 Rialto Building, is seeking a market for cement-coated nails.

Robert W. Beck, Copco, Cal., is in the market for barbed wire wholesale.

S. L. Dennis Transfer Company, 125 Commercial St., Raymond, Wash., is in the market for lathyarn, cement, plaster and other building materials.

Cement Brick Block & Artificial Stone Co., Box 575, Sanger, Cal., is in the market for crushed granite suitable for facing cement products.

Lindley & Co., Sacramento, would like to get in touch with agents of manufacturers of glass cooking utensils.

Metropolitan Furniture Co., 219 N. Main St., Muskogee, Okla., is in the market for stove and furniture repair supplies.

Macwhyte Company, Kenosha, Wis., is seeking a market for elevator cable.

Gabriel-Kamnetz Mfg. Co., 397 March Ave., Brooklyn, New York, is seeking a market for a patented steel garment hanger.

Marathon Garage & Battery Service, Colfax and Josephine streets, Denver, Colo., is in the market for cedar battery separators and boxes.

Thos. F. Stratford, Mount Union, Penn., represents a group of Eastern manufacturers who desire to arrange for a reliable party to set in a sales capacity in this market.

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H. W. Clear
Spiersch Bros.

ROOFING CONTRACTORS

Richmond Roofing Co.
J. W. Bender Roofing & Paving Co., S. F.

Impartial Wage Board Announces Scale for S. F. Building Crafts

Following is the scale of wages for the San Francisco Building Trades, effective January 1 to December 31, 1922.

JOURNEYMEN

	Award	Present Scale
Asphalt Workers	$7.00	$7.85
Bricklayers	9.00	9.25
Bricklayers, hodcarriers	6.00	7.40
Cabinet workers (in shop)	7.50	7.40
Cabinet workers (outside)	8.00	8.35
Carpenters	8.00	8.35
Cement finishers	8.00	8.35
Electrical workers	8.00	9.25
Electrical fixture hangers	7.00	7.40
Electrical hoistmen	6.00	...
Elevator constructors	8.00	7.85
Engineers (stationary)	7.00	7.30
Engineers (traveling crane)	7.50	...
Engineers (on derricks)	8.00	...
Glass workers	7.50	7.85
Housemovers	8.00	8.35
Housesmiths (architectural iron)	7.00	7.40
Housesmith (reinforced concrete)	7.00	7.40
Iron workers (bridge and structural)	9.00	9.25
Labor (common), six-day week	4.50	6.00
Laborers (skilled)	5.00	6.00
Lathers	8.00	9.25
Marble setters	8.00	7.40
Marble cutters and copers	7.00	6.95
Marble bed rubbers	6.50	6.50
Marble polishers and finishers	6.00	6.00
Millmen (planing mill department	7.00	7.40
Millmen (sash and door)	6.00	6.50
Millwrights	8.00	8.35
Model makers	9.00	9.25
Model casters	7.50	8.35
Mosaic and terrazo workers	7.50	7.85
Painters	8.00	8.35
Painters, varnishers and polishers, shop	7.00	6.95
Painters, varnishers and polishers, outside	8.00	8.35
Plasterers	10.00	10.20
Plasterers' hodcarriers	7.00	8.35
Roofers	9.00	9.25
Roofers, composition	7.50	8.35
Sheetmetal workers	8.50	9.25
Sprinkler fitters	7.20	...
Steamfitters	9.00	9.25
Stair builders	8.00	8.35
Stone cutters, soft and granite	8.00	8.35
Stone setters, soft and granite	8.50	8.80
Stone carvers	8.00	10.00
Stone derrickmen	8.00	8.35
Tile setters	8.00	8.35

HELPERS

	Award
Carpenters	$6.00
Electrical workers	6.00
Elevator constructors	6.00
Housesmiths (reinforced concrete)	6.00
Marble setters	5.50
Mosaic and terrazo workers	5.60
Painters	6.00
Plasterers	6.00
Sheet metal workers	6.00
Steamfitters	6.00
Tile setters	5.50

Plasterers' hodcarriers, bricklayers' hodcarriers, roofers' laborers, hoisting [illegible] engineers agreed to start fifteen minutes before other [illegible] at noon at [illegible]

[illegible] hours [illegible] day's work except [illegible] hours to con[illegible] work except as above [illegible]

[illegible] half except Saturdays and holidays double time shall [illegible] for a straight time.

[illegible] New Years day, Christmas day, Thanksgiving day, [illegible] days. Admission day [illegible] day.

Truck drivers and teamsters—Pres[illegible] wages to continue until given further consideration.

Official Membership Directory

Builders' Exchange of Alameda County

351 TWELFTH STREET, OAKLAND
Phone: Lakeside 6750

Officers:
Jas. K. Nelson, President Wm. E. Hague, Robert King....2d V.P.
Edwin C. Graff, 1st V.P. Secretary-Manager R. N. Osborn, Treasurer

ARCHITECTURAL SCULPTORS
Ferrero, F.
Giovenone, E.
Woods, J. P.

AWNINGS
Kronke Tent & Awning Co.

BLACKBOARDS
Simpson, W. C.

BONDS & INSURANCE
Clay, Hotchkiss & Schroeter
Nash, E. H., & Son.
Rogers, G. Wilbur
Spengler & Fraser
Taylor, A. J. & Co.
Federal Mutual Liability Insurance Co.

BRICK CONTRACTORS
Baccus, W. J.
Beckwith, Herbert
Beebe, Thomas D.
Chubb, C.
Girot, Leo A., and Devillers, J.
McPherson, S.
Mortensen, W.
Powell, J. W.
Rule, J. W.
Thomsen, John
Townsend, C. H.
Trettier, A. H.
White & Gloor

BRICK (Crushed)
Hidecker, G. C.
Goodmundson, A. K.

BRICK DEALERS AND MANUFACTURERS
California Brick Co.
Livermore Fire Brick Works, W. B. Rue, Oakland Representative
Gladding McBean Co.
Remillard Brick Co.

BUILDERS' HARDWARE
Emeryville Hardware Co.
Maxwell Hardware Co.

BUILDING MATERIALS
Cowell Lime & Cement Co., Henry
Contra Costa Bldg. Material Co.
Drummond, J. A.
Holmes Lime & Cement Co.
Oakland Bldg. Material Co.
Oakland Lime & Cement Co.
Pacific Lime & Plaster Co.
Powell Brothers
Rhodes-Jamieson Co.
Rosenberg Co.
Tenney, E. P.
Truscon Steel Co.

BUILDING SPECIALTIES
Chas. Christensen Co.
The General Fireproofing Co.
Hidecker Brick Co.
Jager, H. E. (Decora Paint Sprays)
Truscon Steel Co.
United States Gypsum Co.
Van Wagen & Holmes
Waterhouse-Wilcox Co. (Heaters)

CABINET WORKS
Bay City Cabinet Co.
Kulchar, S.

CANVAS DECKS AND COVERS
Kronke Tent & Awning Co.

CEMENT CONTRACTORS
Austin, F. H.
Doty, E.
Jepson Bros.
Lindstrom, N. J.
Langland, Henry
Lopes, M. A.
Malone, R. C.
Moller, F. D.
McNaughton, J. A.
Nelson, F. E.
Oakland Concrete & Terrazzo Co.
Reed, Jesse Edward
Riechel & Bredhoff
Rasmussen, L. M.
Schnoor Bros.
Salamid, F.
Western Constr. Co. of Alameda County
Williams, Harry B.
Sorenson, H. F., & Son

CEMENT DEALERS & MANUFACTURERS
Henry Cowell Lime & Cement Co.
Holmes Lime & Cement Co.
Old Mission Portland Cement Co.
Pacific Portland Cement Co.
Santa Cruz Portland Cement Co.
(Also see Building Materials.)

COMPOSITION FLOORS
Fibrestone & Roofing Co.
Goodmundson, A. K.
Petrium Sanitary Sink Co.
Swords, Allen

CONCRETE CONTRACTORS
See Cement Contractors.

CONTRACTORS AND BUILDERS
Bartlett, John M.
Baccus, Wm. J.
Barrett & Hilp
Bertelsen, S. J.
Burritt & Shealey.
Cahill & Vensano
Christensen & Son, C.
Cederborg, A.
Chich, Guy Hyde
Conner & Conner
Corbett & Bayliss
Damgaard, S. E.
Etherton, E. E. Co.
Ernsberger, F. A.
Fleisher, C.
Gede, Victor R.
Graff, E. C.
Hambleton, Fred
Heyer, Chas. W. Jr.
Hendricks, A. T.
Hopper & Son, M. E.
Holland, W. J.
Hollenbeck G. B.
Jackson, S. G.
Jones, Horace D. Jr.
Jones, W. P.
Kennedy, F. F.
Lawton & Vezey
Littlefield, R. W.
Long Co., Roy O.
McDonald & Kahn
McGinty, W. G. & Sons
McNaughton, J. A.
McPhee, A. J.
Maganini, J. F.
Mayhorn, B. F.
Nelson, H. P.
Nelsen & Conrad
Noble, G. H.
Olson, Alfred
Palmer, P. A.
Peterson, Alfred
Perona, Jno.
Peppin, John E.
Peterson, J. B.
Pearson, Ben
Perry, L. V.
Person, Emil
Peters & Hodgins
Rich, James L.
Rose, A. H.
Rose, Mervin P.
Sellman, C. G., Constr. Co., Inc.
Scott, G. A.
Schwalm, Harry
Sommarstrom Bros.
Sorenson, Walter
Sprague, J. E.
Strang, F. N.
Texdahl, C.
Thornalley, W. G.
Vaughn, M. C.
Warren, C. H.
Warner, S. A.
Westlund, Fred J.
Wheelin, W. E.
Wieben, A. C.
Woolley, B. F.

CORNICE WORKS
Bay Engineering Co.
City Cornice Co.
Dickson & Holbrook
Fiuren & Arneson
Golden Co., Dow C.
McDonald & Moore
Pacific Metal Products Co.
Yager Sheet Metal Co.

DAMP PROOFING
See Roofing Contractors.

DEAFENING FELT
Chas. Christensen Co.
Emeryville Hardware Co.
Maxwell Hardware Co.
The Paraffine Cos., Inc.

DRAIN BOARDS
Petrium Sanitary Sink Co.
Swords, Allen B.

DRAYAGE
Bartram, R. W.
Maddox & Co., Benj. H.

ELECTRICAL CONTRACTORS
Advance Electric Co.
Boynton, A. J.
King's Electrical Co.
Piedmont Electric Co.
Robert's Mfg. Co.
Spencer Electric Co.

ESTIMATOR
Barry, Frank
Priddle, Arthur

EXCAVATING
Ariss-Knapp Co.
Bartram, R. W.
Bates & Boreland
Hauser, W. H.
Kopperud & Heafey
Maddox & Co., Benj. H.
Tenney, E. P.

FURNACES
Bay Engineering Co.
Doell, C. T.
Fiuren & Arneson
Nottingham, W. K.
Waterhouse & Wilcox (Caloric)
Mork, Walter (Vassal & Mueller)
Dickson & Holbrook

FURRING & LATHING
Buseck, Chas.
McTeer & Stevens
Garcia, W. R.

GLASS AND GLAZING
Cobbledick-Kibbe Glass Co.
Downey Glass & Paint Co.
Fuller, W. P., & Co.

GRADING
Ariss-Knapp Co.
Bartram, R. W.
Bates & Boreland
Hauser, W. H.
Hutchinson Co.
Kopperud & Heafey
Tenney, E. P.

HARDWARE DEALERS
Emeryville Hdw. Co.
Maxwell Hardware Co.

HARDWOOD DEALERS
Strable Hardwood Co.

HARDWOOD FLOORS
Aronsen, H.
Royal Floor Co.

HAULING & TEAMING
Bartram, R. W.
Maddox & Co., Benj H.

HEATING AND VENTILATING
Bay Engineering Co.
City Cornice Co.
Doell, C. T.
Fiuren & Arneson
Frazee, L. D.
Johnson, A. O.
Nottingham, W. K.
Scott Co.
Golden, Dow C., Co.

HEATING APPLIANCES
Pac. Gas Appliance Co.

HOLLOW TILE
California Brick Co.
Livermore Fire Brick Co.
W. B. Rue, Oakland Rep.
Gladding McBean Co.

HOUSE MOVER
Henderson, H. B.

INSURANCE AND BONDS
Clay, Hotchkiss & Schroeter
Nash, E. H., & Son
Spengler & Fraser
Taylor, A. J. & Co.

IRON WORKS (Structural)
Jansen Iron Works
Judson Mfg. Co.
Pacific Iron Works
Stobbe & Romak

IRON WORKS (Ornamental)
Frauneder, C.
Jansen Iron Works
Pacific Iron Works
Stobbe & Romak

LANDSCAPING
Tenney, E. P.

LATHING & FURRING
Buseck, C.
Garcia, W. R.
McTeer & Stevens
Simons, H. J.

LATHING & PLASTERING
See Plastering Contractors

LIGHTING FIXTURES
Maxwell Hardware Co.
Roberts Mfg. Co.

LIME, SAND AND CEMENT
See Building Materials.

LUMBER AND MILL WORK
Blackman Lumber Co., E. L.
Hunter Lumber Co.
Lumber Co.
Nation Mill & Lumber Co.
Oakland Planing Mill
Pacific Mfg. Co.
Sunset Lumber Co.
Tilden Lumber Co.
Waddell Lumber Co.
E. K. Wood Lumber Co.
Lumber Bros Mfg. Co.

LUMBER (Wholesale)
Cal. & Ore. Lumber Co.

MAGNESITE
Fibrestone & Roofing Co.
Petrium Sanitary Sink Co.
Swords, Allen B.
Waterhouse-Wilcox Co.

MANTELS AND TILE
Robt. Howden & Sons
Rigney Tile Co.
Scott Co. (floor tile)

MARBLE
Ray Cook Marble Co.

MASTIC FLOORS
Goodmundson, A. K.

METAL LATH
Truscon Steel Co.

MILL WORK
See Lumber and Mill Work

MIRRORS
Cobbledick-Kibbe Glass Co.
Downey Glass Co.
Fuller, W. P., & Co.

MORTAR (Ready Mixed)
Oakland Lime & Cement Co.

MOSAIC WORK
Howden, Robt. & Son.
Oakland Concrete & Terrazzo Co.
Rigney Tile Co.

MOTOR DRAYAGE
Maddox & Co., Benj. H

ORNAMENTAL IRON
Frauneder, C.
Jansen Iron Works
Pacific Iron Works
Stobbe & Romak

PAINTING CONTRACTORS
Burr & Sons
Blumert, W.
Devert, H.
Frieberg, C.
Hansen, Edw. L.
Irwin, C. E.
Johnson, Bert. T.
McManus, Harry
Nettleton, C. E.
Pollard, Jr., W. H.
Pacific Painting & Roofing Co.
Reymann, A.
Rutgers, B.
Smith & Seekins
Simmons & White
Sparwasser, Chas.
Stein, L. M.
Swedberg, V. E.
Tom, R. J.
Tomes, J. W.
Dow, Harry R.
Turgeon, J. A.
Thomas, E. C.

PAINT, OIL AND VARNISHES
Downey Paint & Glass Co.
Dow, Harry R.
Freedman Co.
Fuller, W. P., Co.
Nelson & Co., Chris.

PATENT CHIMNEYS
Bay Engineering Co.
City Cornice Co.
Fiuren & Arneson

PLANING MILL
See Lumber and Mill Work.

PLASTERING CONTRACTORS
Austin, W. C.
Boyd F. Lindsey
Bodin, W.
Clausen, F.
Childers, H. A.
Dixon, Geo.
Ebinger, Michael
Glimme, T.
Hillam, A. J.
Haverty, M.
Lester, Geo. C.
Little, Wm. H.
Madsen, Peter C.
Martin, Wm.
Rees, J. W.
Rhody & Garcia
Sexton, T. D.
Thomsen, John

PLASTERING (Ornamental) OR PLASTER PARIS
Ferrero, F.
Giovenone, E.
Woods, J. P.

PLUMBING CONTRACTORS
Catton, Thos. E.
Cruz, J. B.
Doell, C. T.
Graham, W. H.
Rankin, Jas., & Son
Scott Company
Picard, Wm. Henry

PLUMBING SUPPLIES
Crane Co.
Kinney Co., R. W.
Mark Lally Co.
Stulsaft Co.
Tay, George H., Co.

PRINTING & RUBBER STAMPS
Dowdle Printing & Rubber Stamp Co.

ROCK, SAND AND CEMENT
See Building Materials.

ROOFING CONTRACTORS
Bender, J. W., Roofing & Paving Co.
Brown, H. C., Roofing Co.
Bradhoff, P. F.
Fibrestone & Roofing Co.
Goodmundson, A. K.
Oakland Roofing Co.
Oakland Roofing Co.
Pacific Roofing Co.
Pacific Painting & Roofing Co.
Tarr, G. L.
Western Roofing Co.
Williams, C. G.

ROOFING MATERIALS
The Paraffine Cos. Inc.

ROOFING TILE
California Pottery Co.
Fibrestone & Roofing Co.
Gladding McBean & Co.

SASH AND DOORS
California Door Co.
Waterfront Sash & Door Co.

SCREENS & SCREEN DOORS
California Door Co.
Simpson, W. C.

SEWER CONTRACTORS
John Geary's Sons

SEWER PIPE
Calif. Pottery Co.
Gladding McBean & Co.

SHEET METAL WORKS
Bay Engineering Co.
Bell, James L.
City Cornice Co.
Dickson & Holbrook
Fiuren & Arneson
Golden Co., Dow C.
McDonald & Moore
Oakland Machinery Co.
Vasser Sheet Metal Wks

SHEET METAL (Ship Work)
Golden, Dow C., Co.

SINK BOARDS
Petrium Sanitary Sink Co.
Rigney Tile Co.
Swords, Allen B.

SKYLIGHTS
See Sheet Metal Works.
See Glass and Glazing.

SPRAYING CONTRACTORS
Devert, J. Howard
Ingram, W. H.
Machine Spray Paint Co.
Pneumatic Whitewash Co.

STAFF & STUCCO
Giovenone, E.
Ferrero, F.
Woods, J. P.

STEAM HEATING
Doell, Carl T.
Frazee, L. D.
Graham, W. H.
Mork, Walter
Nottingham, W. K.
Bayo Engineering Co.
Rankin, James & Son
Scott Co.

STEEL
See Structural Works

STEEL—Reinforcing
Judson Mfg. Co.
Truscon Steel Co.
Westinhard Co., W. S.
Cabaniss & Morehouse
Herrick Co., S. S.

STEEL SASH
Truscon Steel Co.

STORE FIXTURES
Bay City Cabinet Co.

STORE FRONTS & METAL MOULDINGS
Kawneer Mfg. Co.

STREET CONTRACTORS
Bates & Borchland
Hutchinson Co.
Koppernd & Heafey

STRUCTURAL IRON WORKS
Jansen Iron Works
Judson Mfg. Co.
Pacific Iron Works
Stobbe & Romak

TEAMING
Bartram, R. W.

TENTS
Kronke Tent & Awning Co.

TERRA COTTA, SEWER & CHIMNEY PIPE
Calif. Pottery Co.
Gladding McBean & Co.

TERRAZZO
See Mosaic Work.

TILE (Building-Hollow)
California Brick Co.
Gladding McBean & Co.

TILE (Ceramic)
Howden, Robt. & Son
Rigney Tile Co.
Scott Co.

TILE Manufacturers
Brookhurst Edw. A

TILE (Roofing)
Gladding McBean & Co.
Fibrestone & Roofing Co.

TRUCKING
See Motor Drayage

WALL BOARD
Chas. Christensen Co.
The Paraffine Cos. Inc.

WALL PAPER HANGERS
See Painting Contractors.

WATER HEATERS
Pac. Gas Appliance Co.

WATERPROOFING
Duroxo Mfg. Co.

WHITEWASHING
Pneumatic Whitewashing Co.

WINDOWS
Kawneer Mfg. Co. (Simplex)
G. A. Shuster (Hauser)

WINDOW SCREENS
The Calif. Door Co.
W. C. Simpson

DATA AVAILABLE ON FOREIGN CONSTRUCTION CONTRACTS

Construction companies interested in foreign contracts may obtain through the Associated General Contractors of America, Munsey Bldg., Washington, D. C., notice of contracts to be awarded in foreign lands and such information as the prospective bidder may require in investigating and estimating individual projects. This service is made possible by cooperation with the Bureau of Foreign and Domestic Commerce of the Department of Commerce, which is rapidly building up an efficient report service covering prospective work, sources and prices of materials and such special information as may in specific cases be required.

As reorganized by Secretary Hoover, the Bureau of Foreign and Domestic Commerce is able to obtain promptly by cable, as well as by special written report, from American Consuls and special representatives, a great amount of data for construction companies heretofore inaccessible in time for adequate investigation. Since foreign contracts generally necessitate personal investigation by a company representative before a bid can safely be submitted, the bureau has made arrangements for facilitating the representative's work in a foreign country. He may now obtain from the bureau letters of introduction to proper foreign officials and business houses and in South America may obtain the assistance of special agencies in conducting his investigations. Through this service which the bureau invites construction companies to use, it is anticipated that many of the uncertainties attending foreign work may be eliminated and that American companies may find it profitable to enter the foreign field.

BUILD NOW

"People can build a home now and come nearer to getting value received for every dollar they put into it than for many years heretofore," says Roley S. Kooser of the San Jose Builders' Exchange. "During the war when the housing shortage was acute home-seekers were prevailed upon to build instead of try to rent. They built a house on borrowed money at the rate of $13 a thousand payable in 120 months. By the time had put up a $4000 house and paid $1000 for a lot, plus the necessary taxes and improvements their house was costing about $75 a month, which is too much rental for the average working man and besides the house were inferior. They find getting a house which in normal times was worth about $5000."

Siam is one of the three greatest rice exporting countries in the world.

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue

No.	Owner	Contractor	Amt.
3047	Brower	Oak	500
3048	W. P. R. R.	Farrell	7552
3049	Gadotti	Owner	5000
3050	Carlson	Owner	4000
3051	Nunan	Merritt	1800
3052	Mausch	Glaser	2900
3053	Sharon	Owner	22000
3054	Glenn	Barrett	1000
3055	Hoffman	Owner	25000
3056	Smyth	Vukicevich	9965
3057	Rosenfeld	Reeder	500
3058	Barbera	Owner	4000
3059	Horstmeyer	Horstmeyer	1950
3060	Lurie	Vukicevich	40000
3061	Remensperger	Lawson	13044
3062	Same	Schwartz	575
3063	Same	Shenehan	445
3064	Same	Lawson	530
3065	Valencia	Adler	10200
3066	Aronson	O'Reilly	13987
3067	Teesdale	Ginley	1000
3068	Clavere	Owner	500
3069	Barman	Zane	900
3070	Heller	Owner	2000
3071	Watson	Owner	7000
3072	Fischer	Watson	7000
3073	Nelson	Owner	4000
3074	Homes	Wood	4495
3075	Silberstein	Demarais	16865
3076	Kull	Moren	1110
3077	Federal	Crittal	3717
3078	Davis	Quandt	1240
3079	Anglo	Scott	12926
3080	Klemme	Hemminga	17742
3081	Peters	Owner	6000
3082	Barnett	Owner	7000
3083	Craymile	Leigh	6000
3084	Rosenfeld	Barrett	20000
3085	Somervell	Pearson	650
3086	Rey	Nyman	950
3087	Lagomarsino	Hamilton	19000
3088	McLean	Owner	750
3089	Chinese	Brunsfield	2300
3090	Foster	Foster	2000
3091	Voorhies	Voorhies	20000
3092	Altshuler	Vogt	29873
3093	Buckley	Owner	1200
3094	Vandall	Macdonald	11000
3095	Stevens	Owner	500
3096	Panceme	Owner	500
3097	Pasquaretti	Owner	50000
3098	S. P. Co.	Owner	1500
3099	Kresteller	Hardy	13670
3100	Harder	Owner	5600
3101	New Era	Owner	5700
3102	Katz	Zimmerman	750
3103	Cofler	Owner	980
3104	Kincaron	Owner	22500
3105	Hanson	Owner	5500
3106	Dorey	Prout	7398
3107	Rosenfeld	Barrett	21820

PERMITS

SIGN

(3047) COR. BROADWAY & SANSOME Erect raise wood letters on bldg.
Owner—Marcus Brower Premises.
Architect—None.
Contractor—Oak Sign Works, 530 Pine St., San Francisco. $500

ALTERATIONS

(3048) NO. 951 BRANNAN. Alterations and minor additions to warehouse.
Owner—W. P. R. R. Co., Mills Bldg., San Francisco.
Architect—None.
Contractor—Farrell & Reed Co., 180 Jessie St., San Francisco. $7552

FRAME FLATS

(3049) N FILBERT 137-6 E Laguna. Two-story and basement frame (2) flats.
Owner—Joseph Gaddini, 1862 Filbert St., San Francisco.
Architect—None.
Day's work. $5000

RESIDENCE

(3050) N ROLPH 78 E Naples. One-story and basement frame residence.
Owner—J. Carlson, 31 Rivoli St., San Francisco.
Architect—None.
Day's work. $4000

DWELLING

(3051) W SEVENTEENTH AVE 200 N Irving. One-story and basement frame dwelling.
Owner—J. J. Nunan, 33 Franklin St., San Francisco.
Plans by Contractor.
Contractor—G. M. Merritt, 3014 Geary St., San Francisco. $1800

ALTERATIONS

(3052) NW VALENCIA & TWENTY-Third. Alter store; install brick bake oven.
Owner—Frank Mausch, 1196 Valencia St., San Francisco.
Architect—None.
Contractor—J. P. Glaser, 180 Jessie St., San Francisco. $2900

STORES

(3053) NW MISSION & NEW MONTgomery. Two-story and basement Class C stores and offices.
Owner—The Sharon Estate Co., Sharon Bldg., San Francisco.
Architect—George W. Kelham, 305 Sharon Bldg., San Francisco.
Day's work. $22,000

STATION

(3054) SE NINETEENTH AVE. AND Lincoln Way. One-story steel service station.
Owner—Glenn & Burge, Cr. Contractor
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $100

APARTMENTS

(3055) SE TWELFTH AVE & LAKE. Three-story and basement frame (9) apartments.
Owner—C. S. Hoffman, 1541 Howard St., San Francisco.
Architect—C. O. Clausen, 1128 Hearst Bldg., San Francisco.
Day's work. $25,000

RECORDED

STORE BLDG.

(3056) S GEARY 162-6 W Jones W 25 xS 137-6. All work for one-story and basement reinforced concrete store building.
Owner—Thos. U. Smyth, Schroth Bldg., San Francisco.
Architect—August G. Headman, 57 Post St., San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco.
Filed Dec. 16, '21. Dated Dec. 8, '21.
Foundation and concrete walls poured & 1st floor joists set..$1900
Concrete poured and finished 1st floor 2578
Completed and accepted..... 3000
Usual 35 days..... 2462
TOTAL COST, $9900.
Bond, $5000. Sureties, J. H. McCallum and A. L. Vercevich. Limit, 10 days. Forfeit, $50. Plans and specifications filed.
NOTE:—Permit reported Dec. 9, 1921. No. 2973.

EXCAVATING, ETC.

(3057) NW POST AND JONES W 91-8 xN 68-9. Excavating, grading, bulkheading to underside of concrete slab of all stores and alley way at N side of building.
Owner—John Rosenfelds Sons, Merchants' Exchange Bldg., S. F.
Architect—Samuel L. Hyman, Foxcroft Bldg., San Francisco.
Contractor—A. J. Reeder, 180 Jessie St., San Francisco.
Filed Dec. 16, '21. Dated Dec. 14, '21.
On completion $500
TOTAL COST, $500
Bond, none. Limit, 6 —. Forfeit, none
Plans and specifications filed.

RESIDENCE

(3058) W JONES 93-9 N Lombard. Two-story and basement frame residence.
Owner—A. Barbera, 2344-A Jones St., San Francisco.
Architect — Righetti & Hirschfeld, 12 Geary St., San Francisco.
Day's work. $4000

DWELLING

(3059) W MARKET 60 S Douglas. One-story and basement frame dwelling.
Owner—C. Horstmeyer, 31 Ord St., San Francisco.
Architect—None.
Contractor— Wm. Horstmeyer Co., 31 Ord St., San Francisco. $1950

FILM EXCHANGE

(3060) NE TURK AND LEAVENworth. Two-story and basement reinforced concrete film exchange.
Owner—Louis R. Lurie, Mills Bldg., San Francisco.
Architect—Albert Schroepfer, 1105 Nevada Bank Bldg., San Francisco.
Contractor — Vukicevich & Bagge, 180 Jessie St., San Francisco. $40,000

FRAME FLATS

E ASHBURY 125 S Fulton. Two-story and basement frame (2) flats.
Owner—Morton and Pauline Kresteller, Hampton Court Apts., S. F.
Plans by Contractor.
Contractor—A. M. Hardy, 6217 California St., San Francisco. $13,670
NOTE.—Recorded contract reported Dec. 16, 1921, No. 3044.

RECORDED

BRICK BLDG.

(3061) NW GEARY & SECOND AVE. W 61-5xN 100. Grading, concrete, brick, iron, carpentry, mill, hardware, roofing, sheet metal, marble and folding doors and wire netting for one-story brick building.
Owner—Ulrich F. Remensperger, 695 Dolores St., San Francisco.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor—A. W. Lawson, 180 Jessie St., San Francisco.
Filed Dec. 17, '21. Dated Dec. 14, '21.
On 1st and 15th of each month. 75%
Usual 35 days..... 25%
TOTAL COST, $13,044
Bond, none. Limit, 50 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Nov. 15, 1921, No. 2699.

(3062) ELECTRIC WORK ON ABOVE
Contractor—Schwartz Elec. Co., 242 Clement St., San Francisco.
Filed Dec 17, '21. Dated Dec. 14, '21
Payments same as above.
TOTAL COST $[illegible]
Bond, none. Limit, 30 days after ready for same. Forfeit, none. Plans and specifications filed.

(3063) PAINTING ON ABOVE
Contractor—Shenehan & de Lord, 1010 Howard St., San Francisco.
Filed Dec 17, '21. Dated Dec 14, '21.
Payments same as above.
TOTAL COST, $[illegible]
Bond, none. Limit, 30 days after ready for same. Forfeit, none. Plans and specifications filed.

(3064) PLUMBING AND SEWERING on above.
Contractor—Herman Lawson, 180 Jessie St., San Francisco
Filed Dec 17, '21. Dated Dec 14 '21.
Payments same as above.
TOTAL COST, $[illegible]
Bond none. Limit, 20 days after ready for same. Forfeit, none. Plans and specifications filed.

APARTMENTS
(3065) W TWENTY-NINTH AVE 200 N Clement. All work except electric fixtures, shades and hardware for two-story and basement frame (4) apartments of three rooms each
Owner—Ella T. Valencia, 701 Taylor St., San Francisco.
Plans by Contractor.
Contractor—Klaus Adler 1908 Webster St., San Francisco.
Filed Dec. 17, '21. Dated Dec. 15, '21.
Frame up and roof covered . $25[illegible]
Brown coat on . . . . . 2[illegible]
Completed . . . . . 25[illegible]
Usual 35 days . . . . . 25[illegible]
TOTAL COST, $10,200
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.
NOTE:—Permit reported Dec. 4, 1921 No. 3018

PLASTERING
(3066) NE NEW MONTGOMERY AND Mission (Crossley Bldg.) Plastering for building.
Owner—A. Aronson, L. Metzger and L. Schoenberg, Merchants' Exchange Bldg., San Francisco.
Architect—Alex J. Schwartz Nevada Bk Bldg., San Francisco.
Contractor—Francis O'Reilly, 180 Jessie St., San Francisco.
Filed Dec. 17, '21. Dated Dec. 13, '21.
5th & 6th floors white coated. $2622.50
4th floor white coated. 2622.50
3rd floor white coated. 2622.50
Completed and accepted. 2622.50
Usual 35 days. 3497.50
TOTAL COST, $13,987.00
Bond, none. Limit, 45 days after Dec. 14. Forfeit, plans and specifications, none

ALTERATIONS
(3067) E FOURTH AVE 175 S Clement Remove old and construct new steps, electric work and painting for dwelling.
Owner—Sara Teesdale, 314 Fourth Ave., San Francisco.
Architect—None.
Contractor—E. Ginley, 131 5th Ave., San Francisco. $1000

ALTERATIONS
(3068) NO. 1756 GEARY. Construct open porch for residence.
Owner—Y. Clavero, Premises
Architect—None
Day's work. $500

ALTERATIONS
(3069) NO. 1675 HAYES ST. Change front; terrazzo steps, etc., for flats.
Owner—B. Barman 1385 Page St. San Francisco.
Architect—None.
Contractor—W. B. Zane, 114 Russ St., San Francisco. $900

ALTERATIONS
(3070) NE SE MARKET 82-6 x 68-6 Hall Ave. Re-arrange partitions, etc., for [illegible]
Owner—Mercantile Trust Co., Mills Bldg
Sec. Fl. [illegible]
Engineer—Clarence Heller, 57 Post St., San Francisco.
Day's work. $2000

FLATS
(3071) E SEVENTEENTH AVE 152-2 S Anza. Two-story and basement frame (2) flats.
Owner—Wm. Mrs. S. Fischer 414 [illegible] San Francisco.
Architect—None.
Contractor—J. E. Wolfson Bldg., Co. 280 [illegible] Ave. S. F. $7000

DWELLING
(3072) E FORESTSIDE 25 S Ulloa. Two-story and basement frame dwelling.
Owner—[illegible] & Sons, 2 West [illegible] San Francisco.
Architect—None.
Day's work. $1000

RESIDENCE
(3073) 1001 21 BLK 22, St. Francis Wood Extension No. 2. Two-story and basement frame residence.
Owner—Thomas Long, Corporation, 278 Post St., San Francisco.
Architect—Norton O. Wood, 23 Fort Miley, Calif.
Contractor—Norton O. Wood 23 Fort Miley, Calif. $4495

FRAME FLATS
(3075) W WEBSTER 137-6 S McAllister. Two-story and basement frame (4) flats.
Owner—Louis Silberstein, 1092 McAllister St., San Francisco
Architect—None.
Contractor—W. B. Demarais, 732 Page St., San Francisco. $16,865

RECORDED

DWELLING
(3076) W WEBSTER 82-6 S Haight S 27-6x110. Carpenter work for alterations to one-story frome dwlg
Owner—Alfred C. and Elizabeth Kull, 141 Webster St., San Francisco.
Architect—G. Moren, 125 Falcon Ave., San Francisco
Contractor—George Moren, 125 Falcon Ave., San Francisco.
Filed Dec. 19, '21. Dated Dec. 17, '21.
Completed $500
Balance $610 in monthly installments of $40, including interest of [illegible]
TOTAL COST $1110
Bond [illegible] none. Plans and specifications filed.
NOTE—Permit reported Dec 15, 1921 No. 3032

BANK BLDG
(3077) NW BATTERY AND SANSOME. W 27-6xN 120-6. Steel sash, frames and [illegible] for front vestibule and court walls for seven-story [illegible] bank building.
Owner—Federal Reserve Bank of San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—Crittal Casement Window Co.
Filed Dec. 19, '21. Dated Oct. 1, '21.
On 10th of each month 85%
Usual 35 days . . . . . Balance
TOTAL COST, $3717
Bond, $41,859. Surety, Fidelity & Deposit Co. of New York. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(3078) NE FIRST 275 SE Market SE 91-8xNE 137-6. Painting, finishing, tinting, etc., for alterations to Class C building.
Owner—Mercantile Trust Co., Tr. Est. Horace and Norris K Davis.
Architect — Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—A Quanbt & Son, 180 Jessie St., San Francisco.
Filed Dec. 19, '21. Dated Dec. 12, '21.
Interior and exterior 1st coat..$400
Completed and accepted. 530
Usual 35 days. 310
TOTAL COST, $1240
Bond, $620. Sureties, J. Harold Johnson and J. E. Marcous. Limit, 40 days Forfeit, $20. Plans and specifications filed.

ALTERATIONS
(3079) NW SANSOME AND SUTTER — 138-4⅛xNW 122-9. Plumbing, tanks, motors, etc., for alterations and additions to building.
Owner—Anglo & London Paris Nat'l. Bank of San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—Scott Co., 243 Minna St., San Francisco.
Filed Dec. 19, '21. Dated Dec. 15, '21.
On 10th of each month 75%
Usual 35 days. 25%
TOTAL COST, $12,926
Bond, $6463. Surety, New Amsterdam Casualty Co. Limit, forfeit, none. Plans and specifications filed.

FLATS
(3080) E Dolores 260' N 19th; three-story and basement frame (6) flats.
Owner—Bertha Klemme, 47 Ashbury Street.
Architect—None.
Contractor—W. L. Hemminga, 47 Ashbury Street. $17,742

RESIDENCE
(3081) E 15th Ave. 174' N Cabrillo. Two-story and basement frame residence.
Owner—J. M. Peters, 1010 Balboa St
Architect—None.
Contractor—Day work. $6,000

FLATS
(3082) E 48th Ave. 150' S Cabrillo. Two-story and basement frame (4) flats.
Owner—Geo. F. Barnett, 516 O'Farrell Street.
Architect — Edward E. Young, 251 Kearny Street.
Contractor—Day work. $7,000

STORE & FLAT
(3083) S Geary 107' 6" W 23rd Ave. Two-story and basement frame store and flat.
Owner—R. Craymile, 840 46th Ave.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Contractor—David Leigh, 840 44th Ave San Francisco. $6000

STORE
(3084) N W Jones and Post Streets One-story concrete store.
Owner—John Rosenfelds Sons, Merchants Exchange Bldg.
Architect—Samuel Lightner Hyman, 68 Post Street
Contractor—Barrett and Hilp, 918 Harrison St. $20,000

ALTERATIONS
(3085) 622 Leavenworth Street. Underpin with brick three-story building.
Owner—Mrs. Gabrielle L. Somervell, 622 Leavenworth St.
Architect—None.
Contractor—N. H. Pearson. $650

ADDITION
(3086) 3193 Mission Street. Three rooms and bath addition for residence.
Owner—L. Rey, 3193 Mission Street.
Architect—None.
Contractor—E. Nyman, 54 28th St. $950

FLATS
(3087) E Powell 29-6 S Green. Three-story and basement frame (6) flats.
Owner—S. Lagomarsino, 1507 Powell Street.
Architect—None.
Contractor—A. C. Hamerton, 475 Dewey Boulevard. $19,000

FOUNDATION
(3088) 780 Russia Ave. Brick or concrete foundation, ratproofing, etc., for residence.
Owner—Geo. F. McLean, 780 Russia St.
Architect—None.
Contractor—Day work. $750

MARQUEE, ETC.
(3089) SW PINE AND GRANT AVE. Construct and install one double faced swinging electric sign and construct and install marquee.
Owner—Chinese Tea Garden, Prem.
Architect—None.
Contractor—Brumfield Elec. Sign Co., 18 7th St., San Francisco. $2300

RESIDENCE
(3090) E FORTY-FIFTH AVE 75 N Lawton. One-story and basement frame residence.
Owner—Mrs. Robert A. Foster, 1158 Haight St., San Francisco.
Plans by Robert A. Foster.
Contractor — Robert A. Foster, 1158 Haight St., San Francisco. $2000

RECORDED

FRAME BUILDINGS
(3091) W FOURTEENTH AVE 168 S Anza S 48x127-6. All work for two two-story and basement frame buildings.
Owntr—Voorhies Newman Co., 180 Jessie St., San Francisco.
Architect— Wm. F. Gunnison, 1666 Golden Gate Ave., San Francisco.
Contractor—W. R. Voorhies, 50 Divisadero St., San Francisco.
Filed Dec. 20, '21. Dated Dec. 1, '21.
NOTE—Permit reported Nov. 26, 1921 No. 2840.
Completed $20,000
TOTAL COST, $20,000
Bond, none. Limit, 120 days. Forfeit, plans and specifications, none.

WAREHOUSE
(3092) SW SECOND AND STILLMAN S 70xW 120. All work for two-story and mezzanine warehouse (reinforced concrete walls, floors, and roof).
Owner—Samuel Altshuler.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Alfred H. Vogt, 180 Jessie St., San Francisco.
Filed Dec. 20, '21. Dated Dec. 15, '21.
On 1st and 15th of each month 75%
Usual 35 days, 25%.....$7468.25
TOTAL COST, $29,873.00
Bond, $14,936.50. Sureties, H. W. Gaetjen and C. S. Hoffman. Limit, 90 days. Forfeit, $20. Plans and specifications filed.
NOTE—Permit also applied for today

RESIDENCE
(3093) E FOUNTAIN 125-6 N 25th. One-story and basement frame residence.
Owner—John Buckle, 63 Portola Way, San Francisco.
Architect—None.
Day's work. $1200

STORE
(3094) S GEARY 35 E Mason. One-story and basement Class C store.
Owner—Murray Vandall.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor — MacDonald & Kahn, 130 Montgomery St., San Francisco. $11,000

ALTERATIONS
(3095) NO. 333 MOSCOW. Raise dwelling, underpinning, concrete floor, etc.
Owner—Chas. C. Stevens, Premises.
Architect—None.
Day's work. $500

ALTERATIONS
(3096) NO. 3423 SIXTEENTH ST. Raise dwelling; cement work; underpinning, etc.
Owner—E. Pancino, 331 Guerrero St., San Francisco.
Architect—None.
Day's work. $500

APARTMENTS
(3097) W LARKIN 119-6 N Union. Five-story and basement reinforced concrete (30) apartments.
Owner — G. B. Pasqualetti, 746 Union St., San Francisco.
Architect—None.
Day's work. $50,000

REPAIRS
(3098) W STEUART 275 N Mission. Repair brick wall by raising height of same.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Architect—None.
Day's work. $1500

RECORDED

(3099) E ASHBURY 125 S Fulton S 25xE 100 WA 668. All work for two-story and basement frame flat building.
Owner—Morton T. and Pauline Kresteller, Hampton Court Apts., San Francisco.
Architect—A. M. Hardy, 6217 California St., San Francisco.
Contractor—Arthur M. Hardy, 6217 California St., San Francisco.
Filed Dec. 21, '21. Dated Dec. 20, '21.
Enclosed ready for roof.....$3417.50
Brown coated 3417.50
Completed and accepted..... 3417.50
Usual 35 days..... 3417.50
TOTAL COST, $13,670.00
Bond, $6835. Surety, Fidelity & Deposit Co. of Maryland. Limit, 100 days. Forfeit, none. Plans and specifications filed.
NOTE: — Recorded contract previously reported on December 16, 1921, No. 3044.

PERMITS

DWELLINGS
(3100) S ANZA 107-6 and 132-6 E 34th Ave. Two one and one-half-story and basement frame dwellings.
Owner—John Harder, 870 39th Ave., San Francisco.
Architect—None.
Day's work. $2800 each

DWELLINGS
(3101) W BOCANA 150, 180-9 & 211-6 N Eugenia. Three one-story and basement frame dwellings.
Owner—New Era Building Co., 3289 Mission St., San Francisco.
Architect—None.
Day's work. $1900 each

ALTERATIONS
(3102) S CLAY 100 W Locust. Alter for basement garage, cement floor, etc.
Owner—Mrs. L. R. Katz, 3633 Clay St., San Francisco.
Architect—None.
Contractor—Louis Zimmerman, 3017 Buchanan St., S. F. $750

ALTERATIONS
(3103) NO. 2356 CALIFORNIA. Alter for three flats; cement floor.
Owner—Anna Coffer, Premises.
Architect—None.
Day's work. $980

APARTMENTS
(3104) N GROVE 124-6 W Central Ave. Two-story and basement frame (6) apartments.
Owner—Kincanon & Perego, 159 Sutter St., San Francisco.
Architect—O. R. Thayer, 110 Sutter St., San Francisco.
Contractor—Kincanon & Perego, 159 Sutter St., S. F. $22,500

RESIDENCE
(3105) S GEARY 50 E 16th Ave. Two story and basement frame residence.
Owner—John E. Hanson, 572 22nd Ave., San Francisco.
Architect—J. Geary, 1316 Burlingame Ave., San Francisco.
Day's work. $5500

RECORDED

RESIDENCE
(3106) LOT 7 BLK 6, Forest Hill. All work except wall paper, shades, and electric fixtures for two-story frame residence and garage.
Owner—Gilbert Dorey, 559 20th Ave., San Francisco.
Architect— Edward E. Young, 251 Kearny St., San Francisco.
Contractor—J. Prout, 2020 Turk St., San Francisco.
Filed Dec. 22, '21. Dated Dec. 19, '21.
Frame up $1849.50
Brown coated 1849.50
Completed and accepted..... 1849.50
Usual 35 days..... 1849.50
TOTAL COST, $7398.00
Bond, $3698. Sureties, Wm. L. Terry and St. George Holden. Limit, 90 days. Forfeit, none. Plans and specifications filed.

STORE BLDG.
(3107) NW POST AND JONES W 91-8 xN 68-9. All work for one-story Class C store building.
Owner—John Rosenfeld's Sons, Merchants' Exchange Bldg., S. F.
Architect—Samuel L. Hyman, Foxcroft Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Dec. 22, '21. Dated Dec. 15, '21.
Concrete frame up and tar and gravel roof done.....$5455
Interior plaster completed.... 5455
Completed and accepted..... 5455
Usual 35 days..... 5455
TOTAL COST, $21,820
Bond, $10,910. Sureties, Albert Lachman and J. T. Casey. Limit, 75 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Dec. 21, 1921, No. 3084.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted
Dec. 22, 1921—E FUNSTON AVE 75 S Geary S 25xE 82-6. N J Nelson to whom it may concern. Dec. 22, 1921
Dec 22 1921—W TWENTY-SEVENTH Ave 125 S Irving. Geo R Kerr to whom it may concern.....
Dec. 22, 1921—N KISLING 90 from NW Eleventh. Edw J Coakley to whom it may concern..Dec. 22, 1921
Dec. 22, 1921—N GEARY 59-1 E 26th Ave 25x100. Thomas Hamill to whom it may concern..Dec. 22, 1921
Dec. 22, 1921—S SUTTER 135 E Mason E 45xS 137-6. Chamberlain & Proctor to The Schoenfeld Marble Co.....Dec. 22, 1921
Dec. 21, 1921—S ANZA 25 E 27th Ave E 25xS 100. Emil B Johnson to whom it may concern...Dec. 21, 1921
Dec. 21, 1921—NE FIRST 275 SE Market SE 91-8xNE 137-6. Norris K Davis and Mercantile Trust Co.

Tr. Estate Horace Davis, dec'd to California Electrical Constr Co... .....Dec. 12, 1921

Dec 20, 1921—SW TWENTY-THIRD Ave and Anza 25x111. Wm MacDonald to whom it may concern. .....Dec 20, 1921

Dec 20, 1921—N BALBOA 82-6 E 33rd Ave 25x100. Thomas Hamill to whom it may concern. Dec. 20, '21

Dec. 20, 1921—SW TWENTIETH Ave and California W 31-6xS 75. David Leigh and Herbert Guest to David Leigh.....Dec. 20, 1921

Dec. 20, 1921—W LEAVENWORTH 80 S Sutter S 57-6 W 100 N 8-6 E 50 N 49 E 50 Ralph Brown to Western Iron Works...Dec. 20, 1921

Dec. 19, 1921—NW TWENTY-FIRST Ave and Geary. W A Savage to whom it may concern...Dec. 16, 1921

Dec. 19, 1921—S BALBOA 56-6 E 17th Ave E 25xS 100. J Evylen Gawthorne to whom it may concern .....Dec. 19, 1921

Dec 19 1921—W TWENTY-SEVENTH Ave 250 N Geary N 50xW 120. L G Crichton and A M Scott Jr to L N Stevenson.....Dec. 16, 1921

Dec. 17, 1921—NW BUSH & TAYLOR 137-6x137-6. Denman Garage Inc to Gunn Carle & Co....Dec. 15, 1921

Dec. 17, 1921—NW BUSH & TAYLOR to D J & T Sullivan....Dec. 15, 1921

Dec. 17, 1921—NW BUSH & TAYLOR 137-6x137-6. Denman Garage, Inc to White & Gloor.....Dec. 15, 1921

Dec. 17, 1921—NW FELL AND POLK N 30xW 100. Thos G Taylor Co to Unit Constr Co.....Dec. 16, 1921

Dec. 17, 1921—W FIFTEENTH AVE 100 N Anza W127-6xN 25. Elsie Bienfield to Daniel L Bienfield... .....Dec. 16, 1921

Dec. 17, 1921—NE NEW MONTGOMery and Mission. A Aronson. L Metzger and L Schoenberg to Frances O'Rielly, Mealey & Collins and National Lathing Co..... .....Dec 15, 1921

Dec. 17, 1921—NW SECOND AVE and Anza — 82-6xN 25. Victor Bjors to whom it may concern...Dec. 16, 1921

Dec. 15, 1921—LOT 10 and E 4 ft. Lot 11 Blk 2977. Merritt Terrace. Geo N Merritt to J Prout....Dec. 13, 1921

Dec. 16, 1921—NW CEDAR AND Larkin N 50x95. Dr. D A Alberti to C Sartorio.....Dec. 16, 1921

Dec. 16, 1921—NW THIRTY-SECOND Ave and California N 30 W 82-8½ S 97 E 30-1¾ E 79-8 Lot 44 Lyon & Hoag Sub Bakers Beach Land Co Elsie L Eisner to Meyer Bros.... .....Dec 16, 1921

Dec. 16, 1921—NE CABRILLO AND 15th Ave N 25xE 102-6. Paul E Chapman to whom it may concern .....Dec. 16, 1921

Dec. 16, 1921—SE VERMONT AND 19th 37-6x100. John Erlach to whom it may concern...Dec. 16, 1921

Dec. 16, 1921—NE CABRILLO AND 15th Ave N 25xE 102-6. Paul E Chapman to whom it may concern ..... Dec 16, 1921

Dec. 16, 1921—S BUSH 68-9 W Taylor 23x68-9. Fred L Larson to whom it may concern..Dec. 15, 1921

Dec. 16, 1921—LOT 7 BLK 661, comg at pt 114-7 E Webster E 22-11xN 137-6. Simon Goldstein to A L Thulin..... Dec 12 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded	Amount
Dec. 22, 1921 W LARKIN 19 S Ellis S 24xW 87-6 Fred Molter vs D A Alberti..	$[illegible]
Dec. 20, 1921—W TWENTY-EIGHTH Ave 250 S Anza S 25xW 120. Fred H Field vs M G Bugbee	$[illegible]
Dec. 16, 1921—NW GEARY AND Mason N 68xW 137-6. E V Lacey vs St Francis Realty Co and Geo A Bos.	$[illegible]

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded	Amount
Dec. 20, 1921—NO. 1223, 1225 AND 1227 O'Farrell. F Edwards to Hannah Cohen.	[illegible]

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Dec. 20, 1921—NW VALENCIA AND Twenty-third [illegible] 1194 Valencia St. Charles Lee Tilden as to improvements on property .....

Dec. 20, 1921—E MISSION bet. 23rd and 24th; No. 2747 Mission. E M Morehouse as to improvements on property .....

Dec. 19, 1921—NE TWENTY-NINTH and Tiffany Ave E [illegible] NW 200 SW 161-6. J H Johnson and Mary Cody, as Tr Est Patrick J Cody. Dec'd as to improvements on property .....

Dec. 16, 1921—S GEARY 33-1½ W Kearny W 73-[illegible] S 25 SE 52-9½ NE 52-3½ N to beg. George Whittell as to improvements on property .....

RELEASE OF BUILDING CONTRACT

Dec. 19, 1921—E ASHBURY 125 S Fulton S 25xE 100. Morton T and Pauline Kriesteller [illegible] Arthur M [illegible]

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
4480	Read	Rankin	[illegible]
4481	Nesbit	Isaacs	[illegible]
4482	Gier	Stolte	3150
4483	Probts	Anderson	[illegible]
4484	American	Owner	3000
4485	Carey	Hand	[illegible]
4486	Bostaph	Flewelling	[illegible]
4487	Foley	Owen	[illegible]
4488	Never Slip	Schermesser	500
4489	Bianchi	Allen	[illegible]
4490	Nichols	Peterson	18886
4491	Moulin	Allen	8728
4492	Kerrick	[illegible]	[illegible]
4493	Fitch	Chapton	[illegible]
4494	Pfrang	Owner	3500
4495	Haggist	Isaacs	5125
4496	Finch	Stolte	11900
4497	Sprague	Owner	[illegible]
4498	Gagnon	Owner	[illegible]
4499	Standard	Owner	[illegible]
4500	Fullerton	Owner	[illegible]
4501	Livingston	Owner	1000
4502	Molter	Starr	400
4503	Muther	[illegible]	4000
4504	Wood	Owner	2500
4505	Leetch	Owner	4000
4506	Barton	Westlund	[illegible]
4507	Vander [illegible]	Owner	[illegible]
4508	Nunemacker	Owner	[illegible]
4509	[illegible]	Trammal	[illegible]
4510	Brazier	[illegible]	[illegible]
4511	Fleming	[illegible]	[illegible]
4512	[illegible]	Hind	[illegible]
4513	Basker	[illegible]	[illegible]
4514	Barry	Owner	[illegible]
4515	Moriarty	Moriarty	[illegible]
4516	Macdonald	Owner	[illegible]
4517	Watters	[illegible]	[illegible]
4518	Wines	Morris	[illegible]
4519	Marie	Schneider	[illegible]
4520	Valazzo	Owner	[illegible]
4521	[illegible]	[illegible]	[illegible]
4522	Finch	Stolte	[illegible]
4523	[illegible]	[illegible]	[illegible]
4524	Lewis	[illegible]	[illegible]
4525	Sears	[illegible]	[illegible]
4526	[illegible]	[illegible]	[illegible]
4527	Bigelow	[illegible]	[illegible]
4528	Hans	[illegible]	[illegible]
4529	[illegible]	[illegible]	[illegible]
4530	[illegible]	[illegible]	[illegible]
4531	Franhan	Goldsworthy	[illegible]
[illegible]	Holmes	Smith	2000
[illegible]	[illegible]	Benson	2500
[illegible]	Andrews	Graff	13500
[illegible]	[illegible]	Owner	2500
4536	Automatic	[illegible]	6000
[illegible]	Fallen	Owner	[illegible]
[illegible]	Crossett	[illegible]	[illegible]
[illegible]	[illegible]	Morse	3000
4540	Stulsaft	Hoyt	25000
[illegible]	[illegible]	Ropf	3850
[illegible]	[illegible]	Ventre	2000
[illegible]	[illegible]	Hamilton	4000
[illegible]	[illegible]	Owner	2850
[illegible]	Associated Oil	Anderson	4500
[illegible]	Oakland	Hauri	1984
4547	Castro Valley	Ruegg	26497
4548	[illegible]	Nelson	2352

PERMITS

STORES

[illegible] W TELEGRAPH AVE 100 N Haste, Berkeley. One-story brick [illegible]

Owner—Daniel Read, 3742 Ardley St., Oakland.

[illegible]

Contractor—S. G. Rankin, 712 Haddon Road, Berkeley. $5000

[illegible]

(4481) E MODESTO 445 and 495 N Fleming, Oakland. Two garages.

Owner—Leo Nesbit, E-17th and 18th Ave., Oakland.

[illegible]

Contractor—Harry W. Isaacs, 2800 Modesto Ave., Oakland. $600

DWELLING

[illegible] & MIT CHELL, 150 N 15-16th, Oakland. One-story 5-room dwig.

[illegible] Theo. Gier.

[illegible]

[illegible] F C Stolte 3455 Laguna [illegible] $3150

[illegible]

(4483) NO. 3645 NEVIL, Oakland. Ad-

[illegible] Premises

[illegible]

[illegible] A T Anderson. $500

[illegible]

(4484) NW 102ND AVE & BIRCH ST., Oakland. One-story 2-room shop.

[illegible] Products Co., 812 Woodland Ave., San Leandro.

[illegible] $3000

[illegible]

(4485) E SIXTY-EIGHTH AVE 75 S Hamilton, Oakland. One-story 3-[illegible] 100x Each Ave.

[illegible]

Contractor—T. J. Hand, 1211 53rd Ave. [illegible] $1600

DWELLING

[illegible] S Vallejo, Oakland. One-story five-room [illegible] Blvd., Oakland.

[illegible]

[illegible] Co., 545 Adeline St., Oakland.

[illegible] 16th [illegible]

RECORDED

DWELLING
(4489) S FIFTY-FOURTH W Grove, No. 809, Oakland. Work on one-story dwelling and garage.
Owner—Mrs L. Bianchi, 5301 Lawton Ave., Oakland.
Architect—None.
Contractor—A. W. Allen & Sons, 1556 Le Roy Ave., Berkeley.
Filed Dec. 15, '21. Dated Nov. 22, '21.
Frame up $900
Plastered 900
Completed 700
All bills paid ..... Balance
TOTAL COST, $2922.75
Bond, none. Limit, 30 days. Forfeit none. Plans and specifications, none.
NOTE—Permit reported Nov. 23, 1921. No. 1158.

DWELLING
(4490) SE LINCOLN AND CROCKER Ave NE 130.35 SE 130 SW 171.59 th 185.80 to pt. beg., Piedmont. All work for one-story and basement frame dwelling and garage.
Owner—H. D. Nichols, 297 Lee St., Piedmont.
Architect—Albert Farr, Foxcroft Bldg., San Francisco.
Contractor—Alfred Peterson, 3918 Lindwood Ave., Oakland.
Filed Dec. 16, '21. Dated Dec. 14, '21.
12th and 27th day of each month 75%
Usual 35 days 25%
TOTAL COST, $18,886
Bond, $950. Sureties, L. De Luchi and Oscar L. Zeis. Limit, 120 days. Forfeit, $5. Plans and specifications filed.

STORE AND FLAT.
(4491) S FOOTHILL BLVD 110 W Seminary Ave. thence along Foothill Blvd 52, Oakland. All work except wall beds, two-story stores and flats.
Owner—Lenore C. Moulin, 145 Buena Vista Terrace, San Francisco.
Architect—None.
Contractor—D. Clark & James Allen, 5805 Harmon Ave., Oakland.
Filed Dec. 15, '21; Dated Dec. 12, '21.
Frame Up ..... ¼
Brown Coated ..... ¼
Completed and Accepted ..... ¼
Usual 35 Days ..... ¼
TOTAL COST, $8728
Bond, $4,500; sureties: Robert Wm. Lee and G. W. Hall; forfeit, $5.00 day; limit, 90 days; plans filed specifications not filed.

DWELLING
(4492) S ARDMORE AVE 300 E Portal Oakland. Two-story 7-room dwlg.
Owner—F. B. Kerrick, 1st National Bk. Bldg., Oakland.
Architect—None.
Contractor—Geo. W. Anderson, 289 Perry St., Oakland. $8800

DWELLING
(4493) NW EIGHTY-SECOND AVE & Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—Chas. A. Fitch, 2201 Webster St., Alameda.
Architect—None.
Contractor—L. R. Chapton, 112 Haight Ave., Alameda. $3200

DWELLING
(4494) N FIFTY-SEVENTH 50 W Genoa, Oakland. One-story 5-room dwelling.
Owner—C. J. Franz, 5418 Locksley Ave., Oakland.
Architect—None.
Day's work. $3500

DWELLING
(4495) NE MANWELL AND BROOKdale Aves., Oakland. One-story 6-room dwelling and garage.
Owner—Carl Haggist, 5518 Thomas St. Oakland.
Architect—None.
Contractor—Harry W. Isaacs, 2800 Modesto Ave., Oakland. $512

DINING ROOM, ETC.
(4496) E PERALTA AVE 100 N Hopkins, Oakland. One-story dining room and kitchen.
Owner—Fred Finch Orphanage.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland. $11,900

DWELLING
(4497) E SEVENTY-FIFTH AVE 50 S E-14th, Oakland. One-story five-room dwelling.
Owner—J. E. Sprague, 170-A Athol Ave Oakland.
Architect—None.
Day's work. $2800

DWELLING
(4498) S WALLA VISTA AVE 550 E Lakeshore Ave., Oakland. One-story 6-room dwelling.
Owner—Victor Guyot, 3535 Meadow S. Oakland.
Architect—None.
Day's work. $3000

STATION
(4499) SE ALLSTON WAY AND FULton St., Berkeley. Steel service station.
Owner—Standard Oil Co., Ft. of Powell St., Emeryville.
Architect—None.
Day's work. $1000

DWELLING
(4500) N BLAKE 10 W Michigan Berkeley. One-story 5-room dwelling.
Owner—J. B. Fullerton, 2117 Ninth St., Berkeley.
Architect—E. B. McCollum, 541 52nd St., Oakland.
Day's work. $2000

ALTERATIONS
(4501) NO. 2948 ELLIS ST. Berkeley. Alterations.
Owner—W. Livingston, Premises
Architect—None.
Day's work. $1000

ALTERATIONS
(4502) NO. 2413 HEARST AVE. Berkeley. Alterations.
Owner—G. H. Molter, Fresno, Calif.
Architect—None.
Contractor—W. F. Starr, 2306 Grant St. Berkeley. $400

DWELLING
(4503) SE MARIN AND LASSEN STS. Berkeley. One-story 7-room dwlg.
Owner—G. W. Muther, 347 41st St., Okd.
Architect—None.
Day's work. $4000

DWELLING
(4504) W EASTMAN AVE 265 N Allendale, Oakland. One-story 4-room dwelling.
Owner—E. E. Wood, 3053 35th Ave., Oakland.
Architect—None.
Day's work. $2500

DWELLING
(4505) W 44TH EAST AVE 550 fm N end St., Oakland. One-story 5-room dwelling.
Owner—David C. Leech, 20 Linda Ave., Oakland.
Architect—None.
Day's work. $1000

GARAGE
(4506) NO. 48 LAKESHORE AVE., Oakland. Garage.
Owner—C. B. Batten.
Architect—None.
Contractor—F. J. Westlund. $600

DWELLING
(4507) E PERALTA AVE 25 S Nicol, Oakland. One-story 5-room dwlg.
Owner—A. Vander Haighen, 3120 Peralta Ave., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(4508) W SHATTUCK AVE 141 N 53rd, Oakland. One-story 5-room dwelling.
Owner—A. H. Nunemacker & Theo. Gier, 540 6th Ave., Oakland.
Architect—None.
Contractor—A. H. Nunemacker. $3000

RECORDED

DWELLING
(4509) E 25 LOT 36 BLK 1 and part Lot 37 Blk 1 Map Lakeshore Highlands, Oakland. All work for two-story and basement frame dwlg.
Owner—John J. and Mabel Wellendort 2400 Grove St., Berkeley.
Architect — Schirmer-Bugbee & Co., Thayer Bldg., Oakland.
Contractor — Enoch Tranmal, 483 Crescent St., Oakland.
Filed Dec. 19, '21. Dated Dec. 16, '21.
Sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $8496
Bond, $4248. Surety, Globe Indemnity Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

CHURCH
E LAKESHORE BLVD. 600 N E-12th St., Oakland. Two-story reinforced concrete church.
Owner — Fourth Church of Christ Scientist.
Architect—Carl Werner, Humboldt Bk. Bldg., San Francisco.
Contractor—Mission Concrete Co., New Call Bldg., San Francisco.
$29,719
NOTE—Recorded contracts reported Dec. 14, 1921. No. 4447 to 4453.

DWELLING
(4510) S LINCOLN 100 E California, Berkeley. One-story 5-room dwlg.
Owner—Jas. W. Brazier, 1912 Blake St., Berkeley.
Architect—None.
Day's work. $2500

DWELLING
(4511) W NINTH 275 S Channing, Berkeley. One-story 3-room dwlg.
Owner — Mrs. Olge Flaming, 2424 9th St., Berkeley.
Architect—None.
Contractor—J. S. Flaming, 2424 Ninth St., Berkeley. $1000

DWELLING
(4512) NO. 1750 SAN PEDRO AVE., Berkeley. One-story 6-room dwlg.
Owner—C. R. Morse, Elks' Club, Bkly.
Architect—None.
Contractor—Harry W. Hind, 2012 Channing Way, Berkeley. $4000

GARAGE
(4513) NO. 1511 BRUSH ST., Oakland. Garage.
Owner—H. S. Basker.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland. $400

ALTERATIONS
(4514) NW COLLEGE AND CHABOT Road, Oakland. Alterations.
Owner—Mrs. Annie Barry, 402 Grand Ave., Oakland.
Architect—None.
Day's work. $1000

APARTMENTS
(4515) N E-TWENTY-SEVENTH ST. 175 W Vallecito Place, Oakland Two-story 12-room apartments.
Owner—Mrs. K. Moriarty, 1362 E-27th St., Oakland.
Architect—None.
Contractor—Jos. Moriarty. $7000

DWELLING
(4516) E FOURTEENTH AVE 100 S Hampel St., Oakland. One-story 6-room dwelling.
Owner—H. W. Macdonald, 2439 12th Ave., Oakland.
Architect—None.
Day's work. $4500

DWELLING
(4517) W FORTY-SIXTH AVE 151 S Melrose Ave., Oakland. One-story 5-room dwelling.
Owner—Hill & Watters, 1600 High St., Oakland.
Architect—None.
Day's work. $3000

DWELLING
(4518) FRUITVALE EXTENSION, Oakland. One-story 4-room dwlg.
Owner—Thomas Wood, 2606 Filbert St., Oakland.
Architect—None.
Contractor—W. R. Morris, El Cerrito. $2500

DWELLING
(4519) E LINCOLN AVE 450 N Hopkins St., Oakland. One-story five-room dwelling.
Owner—C. E. Martin, 3555 Lincoln Ave., Oakland.
Architect—None.
Contractor — J. Schneider, 2934 West St., Oakland. $4000

DWELLING
(4520) S PORTER 170 W Maybelle Ave., Oakland. One-story 3-room dwelling.
Owner—J. S. Vallado, 2849 Helen St., Oakland.
Architect—None.
Day's work. $1000

FRAME HOTEL
(4521) E JACKSON bet. 19th St. and Lake Merritt, Oakland. Three-story 54-room frame hotel.
Owner—Arthur Alexander.
Architect—None.
Contractor —California Builders Co., 1534 Franklin St., Oakland $60,000

DINING HALL
(4522) SE PERALTA AVE 450.45 NE Hopkins NE 652.24 SE 454.26 SW 136.78 SE 9.72 SW 516.64 NE 463.98. One-story frame dining hall except plumbing, sheet metal and heating.
Owner—Fred Finch Orphanage.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.
Filed Dec. 20, '21. Dated Dec. 16, '21. 1st and 15th day ea. mo.....75%+5%
Completed and all bills paid.25%+5%
TOTAL COST, Not Over, $10,455
Bond, $5,250; surety, Globe Indemnity Co.; forfeit, $1 day; limit, 100 days. Plans and specifications filed.
NOTE—Permit reported Dec. 19, 1921, No. 4496.

(4523) PLUMBING, SHEET METAL and heating on above.
Contractor—W. H. Graham, 355 12th St, Oakland.
Filed Dec. 20, '21. Dated Dec. ——.
Roughed in $550
Completed and Accepted.....$550
Usual 35 days $345
TOTAL COST, $1445
Bond, none, forfeit, none, limit, 100 days. Plans and Specifications filed.

(4524) SUNNYSIDE AVE near Grand Ave., Piedmont. One and one-half-story frame dwelling and garage.
Owner—Lewis & Mitchell, Inc., 438 14th St., Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. [illegible]

DWELLING
(4525) SUNNYSIDE AVE. near Grand Ave., Piedmont. One-story frame dwelling and garage.
Owner—Lewis & Mitchell, Inc., 438 14th St., Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland. $3500

DWELLING
(4526) RONADA AVE., Piedmont. Two and one-half-story frame dwelling and garage.
Owner—W. G. Appleton, 1831 Calalina St., Berkeley.
Architect—None.
Day's work. $4500

DWELLING
(4527) PARK WAY, Piedmont. Two and one-half-story frame dwelling and garage.
Owner—W. S. Bigelow, 821 13th St., Oakland.
Architect—None.
Day's work. $4750

DWELLING
(4528) N ADDISON 50.65 W Curtis, Berkeley. One-story 5-room dwlg.
Owner—Grace Hamel, 1110 Addison St., Berkeley.
Architect—None.
Contractor—F. G. Simpson, 2408 Atherton St., Berkeley. $3000

ALTERATIONS
(4529) NO. 2208 WARD ST., Berkeley. Alterations.
Owner—E. E. Mason, Premises.
Architect—None.
Contractor—Leslie Geary. $400

FACTORY
(4530) NE E-FOURTEENTH AND Stanley Road, Oakland. Two-story reinforced concrete auto factory.
Owner—Durant Motor Co. of Calif.
Architect—None.
Contractor—P. J. Walker, Monadnock Bldg., San Francisco. $750,000

FLATS
(4531) S STANFORD AVE 130 E Gaskill, Oakland. Two-story 10-room flats.
Owner—Carrie Trahan, 1342 Arlington Ave., Oakland.
Architect—None.
Contractor—Allen Goldsworthy, [illegible] 29th St., Oakland. $7000

ALTERATIONS
(4532) NO. 101 TWENTY-SIXTH ST Oakland. Alterations.
Owner—A. D. Holmes.
Architect—None.
Contractor—Chas. M. [illegible] St., Oakland. $2000

DWELLING
(4533) E TWENTY-SIXTH AVE [illegible] N E-14th, Oakland. One-story 4-room dwelling.
Owner—Miss E. Roberts, 3216 Fruitvale Ave., Oakland.
Architect—None.
Contractor—MacLin Benson [illegible] Ave., Oakland. [illegible]

FLATS
(4534) N WEBSTER AVE [illegible] Ave., Oakland. Two-story [illegible] flats.
Owner—John Andrews [illegible] St., Oakland.
Architect—Hutchinson & Mills, 1512 Broadway, Oakland.
Contractor—[illegible] 14th St., Oakland. [illegible]

DWELLING
(4535) N VENALTO 48 E. [illegible] Oakland. One-story 4-room dwlg.
Owner—E. O. Frances, 2010 E-17th St., Oakland.
Architect—None.
Day's work. [illegible]

RECORDED

FACTORY
(4536) NW HIGH 125 SW E-Fourteenth SW 82.41xNW 165, Oakland. Alt work for one-story frame factory.
Owner—Automatic Electrical Machine Co. Inc., 567 Pacific Bldg., S. F.
Architect—Hutchison & Mills, 1512 Broadway, Oakland.
Contractor—S. I. Lundberg, 3431 Elmwood St., Oakland.
Filed Dec. 21, 21. Dated Dec. 2, 21.
Ceiling joists in place..... ¼
Enclosed ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $6000
Bond $3000. Surety, National Surety Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Dec. 8, 1921, No 4370.

DWELLING
(4537) E ARLINGTON 200 N Home, Berkeley. One-story 6-room dwlg.
Owner—A. H. Pallen, 686 61st St., Oakland.
Architect—None.
Day's work. $3800

DWELLING
(4538) SE CONTRA COSTA AVE AND Indian Rock Path, Berkeley. One and one-half-story 7-room dwlg.
Owner—Mrs. E. F. Crosett, 850 Mendocino Ave., Berkeley.
Architect—None.
Contractor—Roy O. Long Co., 2114 Shattuck Ave., Berkeley. $7500

DWELLING
(4539) E CONTRA COSTA AVE 80 N Indian Rock Path, Berkeley. One-story 6-room dwelling.
Owner—Wm. Berg, 300 Jayne Ave., Oakland.
Architect—None.
Contractor—Morse & Hind, 2012 Channing Way, Berkeley. $3000

WAREHOUSE
(4540) N ELEVENTH 100 W Alice, Oakland. Two-story brick store and warehouse.
Owner—M. Stulsaft Co.
Architect—None.
Contractor — H. O Hoyt, Monadnock Bldg., San Francisco. $25,000

DWELLING
(4541) N BROOKLYN AVE 100 W Haddon Road, Oakland. One-story 5-room dwelling.
Owner—O. Shirner, 1617 5th Ave., Okd.
Architect—None.
[illegible] Bro. F. Kopp, 1045 82nd Ave., Oakland. $3850

DWELLING
(4542) W CENTRAL AVE 75 N Fernwood Road, Oakland. One-story 5-room dwelling.
Owner—P. M. Bowen, 2256 Central Ave., Alameda.
Architect—None.
Contractor—James Verity $2000

DWELLING
(4543) NW MARION AND THIRTY-eighth Ave., Oakland. Two-story [illegible] dwelling.
Owner—H. Wilson, 2818 Marion Ave., Oakland.
Architect—None.
Contractor—M. F. Hamilton, 2818 Marion Ave., Oakland. $4000

DWELLING
(4544) NO. 1532 MOUND ST., Alameda. [illegible] dwelling.
Owner—A. J. [illegible] 2026 Madison St., Alameda.
Architect—None.
Day's work. $2850

OILS STATION
(4545) NO. 1[illegible] PARK ST Alameda. [illegible]

Owner—Associated Oil Co.
Architect—None.
Contractor — W. D. Anderson, 2411 Webb Ave., Oakland. $4500

ALTERATIONS
(4546) NO. 473 TWELFTH ST., Oakland. Alterations.
Owner—Oakland Phonograph Co.
Architect—None.
Contractor—Hauri & Wierk, 822 56th St., Oakland. $1984

RECORDED

SCHOOL
(4547) CASTRO VALLEY. All work except heating for school.
Owner—Castro Valley School District.
Architect—Henry C. Smith, 785 Market St., San Francisco.
Contractor—Ruegg Bros., Pacific Bldg., San Francisco.
Filed Dec. 22, '21. Dated Dec. 20, '21. On 5th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $26,497
Bond, $13,250. Sureties, Agatha Curtaz and Frank J. Golden. Limit, June 1, 1922. Forfeit, none. Plans and specifications filed.

(4548) HEATING ON ABOVE.
Contractor—Jas. A. Nelson, 517 6th St., San Francisco.
Filed Dec. 22, '21. Dated Dec. 20, '21. Payments same as above.....
TOTAL COST, $2352
Bonds, $1200 and $1200; surety, Fred Selander and P. W. Wood; forfeit, none; limit, June 1, 1922. Plans and specifications filed.

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Dec. 22, 1921—NW LAGUNA AVE and SW Scenic Ave W 95xS 37, Okd. W H Matteson to whom it may concern.....Dec. 21, 1921
Dec 22, 1921—NO. 1141 HIGH COURT, Berkeley. C E Horton by H H Gatsman to whom it may concern .....Dec. 22, 1921
Dec 22 1921—NO 2606 MATHEW ST. Berkeley. Conrad Foertsch to John Holm .....Dec 21, 1921
Dec. 22, 1921 LOTS 17 AND 18 BLK E/4551 Map Piedmont Vista, Piedmont. W J Dowell to A Hendrickson.....Dec 20, 1921
Dec. 21, 1921 NO. 2903 MINNA AVE. Oakland. B Kingzett to whom it may concern .....Dec 10, 1921
Dec. 21, 1921 NO. 3206 LAUREL Ave., Oakland. Johanna Lowe to whom it may concern..Dec. 17, 1921
Dec. 21, 1921 W ADELINE 60 S Harmon S 29.57 W 90.8 N 36.57 E 103.83, Berkeley. Garrett Owen to Roy O Long Co ..Dec 20, 1921
Dec 21, 1921 SOUTH VALLEJO, Solano County. Southern Pacific Co to Kupperud & Heatey..... Dec. 19, 1921
Dec. 20, 1921 E EMERALD 406.84 N 41st N 42.50 E 117.32 S 42.70 W 111.05 Oakland. David & Gerda Nordstrom to Gerda Nordstrom .....Dec. 15, 1921.
Dec. 20, 1921—LOT 14 Map A J. Synder's Piedmont Terrace by-the-Lake, Oakland. Jos. Ardanyi to Sommarstrom Bros. Co...Dec. 19, '21
Dec. 20, 1921—LOT 3 Blk 11 Thousand Oaks Station Tract, Berkeley. G. Gate to whom it may concern .....Dec. 20, 1921
Dec. 17, 1921—W GROVE 86-8 S Rose S 80xW 100, Berkeley. S and Gertrude F Campbell to August Hendrickson .....Dec 16, 1921
Dec. 17, 1921—NW 15 LOT 6 and SE 25 Lot 7 Blk 20, Map Boulevard Park, Oakland. J W Sigwald to whom it may concern..Dec. 15, 1921
Dec. 17, 1921—NW 35 LOT 7 and SE 5 Lot 8 Blk 20, Map Boulevard Park, Oakland. J W Sigwald to whom it may concern..Dec. 15, 1921
Dec. 17, 1921—LOT 13 BLK 1 Dwight Way Terrace, Bkly. H E Sparks to whom it may concern..Dec. 16, '21
Dec. 15, 1921—FIRST bet. Broadway and Webster, Oakland. Southern Pacific Co to Hutchinson Co..... .....Dec. 7, 1921
Dec. 15, 1921—LOT 5 BLK "J" Northbrae Terrace, Berkeley. Emil and Elida Person to whom it may concern.....Dec. 7, 1921
Dec. 15, 1921—TWENTY-THIRD AV and Glascock, Oakland. Southern Pacific Co to Hutchinson Co..... .....Dec. 8, 1921
Dec. 15, 1921—LOT 6 and S 8⅓ Lot 5 Blk "A" Sanford Tract, Oakland. Beverly B Hook to H C Tollefsen .....Dec. 7, 1921
Dec. 15, 1921—PTN. 125 N of NW Cor. San Pablo Ave and Linden N 25 W 109-10 S 25-10¾ E 116-7¼, Oakland. Rudolph Kleiner to G A Scott.... .....Dec. 13, 1921
Dec. 16, 1921—NO. 1101 ASHMOUNT Ave, Oakland. Olive V Loomis to H C Andresen.....Dec. 9, 1921
Dec. 16, 1921—NO. 1101 ASHMOUNT Ave. Oakland. Olive V Loomis to H C Andresen.....Dec. 9, 1921
Dec. 16, 1921—LOT 3 BLK "G" Map Northbrae Terrace, Berkeley. John O Weston to whom it may concern .....Dec. 13, 1921
Dec. 16, 1921—S LAKE 90 — Madison E 50xS 100, Oakland. Gizelle and Peter S Krause to whom it may concern.....Dec. 15, 1921
Dec. 16, 1921—W HADDON ROAD 210 S Brooklyn Ave., Oakland. Esther S Goodwin to E W Woodard .....Dec 15, 1921
Dec. 16, 1921—PTN LOTS 176 and 177 Map Nova Piedmont, Piedmont. H C Pendleton to whom it may concern.....Dec. 14, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Dec. 22, 1921—NW PARK BLVD 370 SW Brighton Ave SW 40xNW 105, Oakland. Truman G Palmer vs Geo Hoyt and E A Meinecke..$92.80
Dec. 22, 1921—LOTS 13 AND 14 BLK "A" Map 4th Ave Park, Oakland. Rigney Tile Co, $116.40; Ambrose Bros. $130 vs J A McCord and H P Evans .....
Dec. 20, 1921—SE HILL LANE being ptn. lots 10 and 11 N Blk. 10 Map Lakeside subdivision Adams Point Property, Oakland. A Severy vs. D. F. & A. G. Burnett.....$310
Dec. 17, 1921—S. C. P. RAILWAY 132.5 W 18th Ave S to pierhead line SE to 19th Ave N to railway right-of-way W to pt beg, Oakland. California Cotton Mills, $811.50; W H Picard, $401.01 vs E S Collins & Shartzer Illuminated License Plate Co .....
Dec. 19, 1921—LOT 10 BLK 4224-3 Hotel Claremont Tract Map No. 2, Oakland. E Eichner vs M W or N N Naylor and August Hendrickson $80.60
Dec 19, 1921—LOT 14 and E 13 Lot 13 Blk 1 Map Lakeshore Highlands, Okd. J F Ellis (National Roofing Co) vs F N Strang J and Anna G Gartland $35
Dec. 19, 1921—SW E-TWENTY-First 390 SE Fifth Ave SE 40xSW 125, Okd. Rhodes Jamieson & Co vs N Morrillo, Amelia H and W Henry $128.80

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
Dec. 15, 1921—PTN BLK 7 Map Patterson Ranch, Brooklyn Tp. A T Smith to J J and Effa M Pollard.. .....$774.30
Dec. 15, 1921—PTN BLK 7 Map Patterson Ranch, Brooklyn Tp. M G and R J McGuffin to J J and Effa M Pollard $285.94

HOMESTEADS

ALAMEDA COUNTY

Recorded Accepted
Dec. 22, 1921—LOT 11 BLK. 5 Map Thousand Oaks, Station Tract, Berkeley, Katherine N. Small (wf. Ralph H. $5000
Dec. 20, 1921—E GLEN AVE 162-6 S Oak S 37-6xE 135, Berkeley. Regina D Heller (wf Alfonce H). $5000
Dec. 20, 1921—E 40 LOTS 10 and 11 Blk. 2 Amended Map ptn. La Loma 2 Amended Map ptn. La Loma Park and Wheeler Tract, Berkeley, John Browning.....$7,000
Dec. 19, 1921—NE ALLENDALE AV 50 NW Abbey NW 75xNE 100, Okd. Joe S and Emily V Furtado ..$1800
Dec. 19, 1921—SE THIRTY-SIXTH Ave and E-10th S 110xE 45, Okd. Theodore and Katherine B Kosch $5000
Dec. 17, 1921—W 37-6 LOT 36 Map Ptn Meetz Ppty., Alameda. Martha J Strebe (wf H F).....$3500
Dec. 15, 1921—E WEBSTER 188.85 N 38th N 35-6xE 125, Oakland. Bernard and Mary Kelly.....$4000
Dec. 16, 1921—NW ELSTON AVE 215.77 SW Hampel SW 40xNW 100, Okd. Frank A Aspern $4000

BUILDING CONTRACTS

SANTA CLARA COUNTY

$1,000 and Over Reported

COTTAGE
LOCUST AND COLFAX STS., San Jose. Two 5-room cottages.
Owner - Barnett & Phelps, 7 N-First St., San Jose.
Architect—None.
Contractor—Jerome Garcia. $2500 each

COTTAGE
EIGHTH ST. near Martha, San Jose. Five-room cottage.
Owner—L. Burgh.
Architect— W. Hastings, 524 E-St. James St., San Jose.
Contractor—A. J. Bowen, 68 Fuller St., San Jose. $3750

COTTAGE
FIFTH AND MELLONE STS., San Jose. Six-room cottage.
Owner—J. T. Corpstein, Saratoga.
Architect—Wesley Hastings, 524 E-St. James St., San Jose.
Contractor—Hastings Bros., 524 E-St. James St., San Jose. $7660

ADDITION
W-SANTA CLARA ST., San Jose. Addition to mill.
Owner—Hubbard & Carmichael Bros., 384 W-Santa Clara St., San Jose.
Architect—None.
Day's work. $6000

COTTAGE
TENTH ST. near Washington, San Jose. Five-room cottage.
Owner—G. B. Hall, 741 S-9th St., San Jose.
Architect—A. M. Elliott.
Contractor—A. M. Elliott. $2750

COTTAGE
N. TENTH ST. near Washington, San Jose. Six-room cottage.
Owner—G. B. Hall, 741 S-9th St., San Jose.
Architect—A. M. Elliott.
Contractor—A. M. Elliott. $3800

COTTAGE
SHORTRIDGE ST. near 24th, San Jose. Four-room cottage.
Owner—P. C. Anderson.
Architect—None.
Day's work. $1250

RESIDENCE
THE ALAMEDA, San Jose. All work for two-story frame residence and garage.
Owner—Grace Spencer Hall, 216 N-Autumn St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor — J. C. Thorp, Auzerais Bldg., San Jose.
Filed Dec. 12, '21. Dated Dec. 5, '21.
Frame up $4549.75
1st coat plaster on..... 4549.75
Completed and accepted.... 4549.75
Usual 35 days..... 4549.75
TOTAL COST, $18,199.00
Bond, $9,099.50. Sureties, F. B. Heringer and A. G. De Brutz. Limit, 120 working days from Dec. 5, 1921. Forfeit, $3. Plans and specifications filed.

APARTMENTS
S-SIXTH ST., San Jose. All work for two-story frame apartment house.
Owner—Florence Moody, 305 S-16th St., San Jose.
Architect—Binder & Curtis, 255½ S-First St., San Jose.
Contractor — A. T. Jorgensen, 25 Villa St., San Jose.
Filed Dec. 13, '21. Dated Dec. 10, '21.
Frame erected and enclosed.. 25%
Brown coat plaster on..... 25%
When completed 25%
Usual 35 days..... 25%
TOTAL COST, $11,304
Bond, $5652. Sureties, F. P. Heringer and Jos. H. McElroy. Limit, 4 calender months after Dec. 13, 1921. Forfeit, none. Plans and specifications filed.

COTTAGE
NO. 622 N-ELEVENTH ST., San Jose. Six-room cottage.
Owner—Roy V. Giofaglione.
Architect—None.
Contractor—B. Morrell. $2575

ALTERATIONS
NO. 129 N-MARKET ST., San Jose. Alter lodge rooms.
Owner—Italian Benevolent Society, 129 N-Market St., San Jose.
Architect—C. H. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—A. Megnan, 864 N-17th St., San Jose $9000

COTTAGE
N-SIXTEENTH ST., near Jackson St., San Jose. Five-room cottage.
Owner—J. T. Walsh, 196 N-3rd St., San Jose.
Architect—None.
Day's work. $2500

COTTAGE
NO. 504 COE ST., San Jose. Five-room cottage.
Owner—Carl Isaksen.
Architect—None.
Day's work $2500

APARTMENTS
FIRST AND HENSLEY STS., San Jose. Two-story 8-apartment house.
Owner—Clyde Alexander, 26 Richard St., San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose
Day's work. $18,000

COTTAGE
HOLLYWOOD ST. near First, San Jose. Five-room cottage.
Owner—T. J. Lannin, 312 S-9th St., San Jose.
Architect—None.
Day's work. $3240

SAN JOSE. All work for five room frame bungalow.
Owner—Louis Bruch, 1000 S-7th, San Jose, Cal.
Architect—W. W. Hastings, 524 E-St. James St., San Jose.
Contractor—A. J. Bowen, 68 Fuller St., San Jose, Cal.
Filed Dec. 17, '21. Dated Dec. 15, '21
Frame is up.....$750
Brown mortar is on.....$750
Completed and accepted.....$975
Usual 35 days..... 975
TOTAL COST $3450
Bond, forfeit, limit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Dec. 13, 1921—ANNABOR ST., San Jose. J E Rooker to T C Barnett and J R Phelps.....Dec. 17, 1921
Dec. 12, 1921—LOT 4 BLK 11, Hanchett Residence Park, San Jose. Ida and Blanch Fullagar to Clyde Alexander.....Dec. 12, 1921
Dec 15, 1921—LINCOLN RESIDENCE Park, San Jose. H J Schuette to R C Herschbach.....Dec. 14, 1921

LIENS FILED

SANTA CLARA COUNTY

Recorded Amount
Dec. 14, 1921—SAN JOSE. Richmond Sanitary Mfg Co vs Carrie Emma Gene Elder, J R Elder and M J Arana $306.10

BUILDING CONTRACTS

SACRAMENTO COUNTY.

$2,500 and Over Reported

NO. 3445 J ST., Sacramento. Two-story frame (3) flats.
Owner—Mrs. Edna Harr, 2015 G St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 I St., Sacramento. $8000

DWELLING
NO. 1122 FORTY-THIRD ST., Sacramento. One-story 6-room dwelling.
Owner—J. F. Huntoon Jr., 1620 3rd St., Sacramento
Architect—None.
Contractor—E. T. Eckley, Golden Eagle Hotel, Sacramento. $5100

DWELLING
NO. 1069 EIGHTH AVE., Sacramento. One-story 5-room dwelling.
Owner—Mary Walli, 4111 8th Ave., Sacramento.
Architect—None
Contractor—W. G. Willi, 4111 8th Ave., Sacramento $2500

DWELLING
NO. 1348 FORTY-THIRD ST., Sacramento. One-story 6-room dwelling
Owner—A. Wagner, Carmichael Col.
Architect—None.
Contractor—J. A. Saunders, 2810 I St., Sacramento. $5300

DWELLING
NO. 2905 T ST., Sacramento. One-story 6-room dwelling
Owner—Mrs. W. Bowman, S. F.
Architect—None.
Contractor—J. A. Saunders, 2810 I St., Sacramento. $4100

BAKE OVEN
NO. 228 J ST., Sacramento. Bake oven
Owner—Wong Sing, Premises
Architect—None
Contractor—L. Donaldson, 1416 6th St., Sacramento $6000

DWELLING
NO. 3743 S ST., Sacramento. One-story 5-room dwelling.
Owner—A. R. Cowles, Premises
Architect—None.
Day's work $3500

DWELLING
NO. 2616 W ST., on W ½ Lot 3 W. X. 26th and 27th Sts., Sacramento. One-story 6-room frame dwelling.
Owner—N. B. Holmes and H. Scheiber, 2130 I St., Sacramento.
Architect—None.
Contractor—Louis G. Barton & Carroll C. Dudley, 619 J St., Sacramento.
Filed Dec. 13, '21. Dated Dec. 12, '21 $4500

DWELLING
NO. 1174 THIRTY-SEVENTH ST., Sacramento. One-story 5-room dwlg.
Owner—Margaret A. Wolfel, 817 J St., Sacramento.
Architect—None
Contractor—F. H. Koons, Golden Western Hotel, Sacramento $3700

DWELLING
NO. 1033 FORTY-FOURTH ST., Sacramento. Two-story 7-room dwlg.
Owner—Butler Jack
Architect—None.
Contractor—Geo. D. Hudnutt, California Fruit Bldg., Sacramento $6500

DWELLING
NO. 400 THIRTIETH ST., Sacramento. One-story 5-room dwelling.
Owner—W. E. Trainor, 813 J St., Sacramento.
Architect—None.
Contractor—E. D. Brier, 813 J St., Sacramento. $2825

DWELLING
NO. 2321 SEVENTEENTH ST., Sacramento. One-story 5-room dwlg.
Owner—E. D. Brier, 813 J St., Sacramento.
Architect—None.
Day's work. $2825

STATION
NO. 1531 E ST., Sacramento. Oil station.
Owner—J. McGillivray.
Architect—None.
Contractor—Standard Oil Co., 34th & Stockton Blvd., Sacramento. $3000

DWELLING
NO. 3555 STOCKTON BLVD., Sacramento. One-story 5-room dwlg.
Owner—Lily Guthrie, 813 J St., Sacramento.
Architect—None.
Day's work. $2900

DWELLING
NO. 4840 Q ST., Sacramento. One-story 4-room dwelling
Owner — L. R. Postrom, 2401 N St., Sacramento
Architect—None.
Contractor—E. D. Brier, 813 J St., Sacramento. $2350

REPAIRS
NO. 1915 TWENTY-SECOND ST., Sacramento. General repairs.
Owner—L. C. Moore, 1114 19th St., Sacramento.
Architect—None.
Day's work. $2500

OIL STATION
NO. 3526 FIFTH ST., Sacramento. Oil station
Owner—A. B. Atkinson, 3526 5th Ave., Sacramento.
Architect—None.
Day's work. $10,000

COMPLETION NOTICES

SACRAMENTO COUNTY

Recorded Accepted

Dec. 20, 1921—S ½ LOT 8 W. N. 21st and 22nd Sts., Sacramento. Homer D Jones to whom it may concern..—

Dec. 20, 1921—LOT 1 Noble Court, Sacramento Alexander McFarlane to whom it may concern. Nov. 1, 1921

Dec. 21, 1921—SACRAMENTO, S. P. Shop Grounds (Railroad oil storehouse). Southern Pacific Co. to whom it may concern. Dec. 16, 1921

Dec. 14, 1921—G ST., bet. 27th and 28th Sts., Sacramento. Sacramento City School District to Robert Trost ..... Dec. 12, 1921

Dec. 14, 1921—NW FIFTY-THIRD & J Sts., Sacramento. Sacramento City School District to whom it may concern.....Dec. 12, 1921

Dec. 13, 1921—N ½ LOT 5, C. D. 25th and 26th Sts., Sacramento. Harry Gunther to whom it may concern.. ..... Dec. 10, 1921

LIENS FILED

SACRAMENTO COUNTY.

Recorded Amount

Dec. 13, 1921—W ½ LOT 2 P. Q. 3rd & 4th Sts., Sacramento. Latourrette-Fical Co vs Mrs. Rosa Bertta and H J Kilgariff... .....$161.16

Dc. 13, 1921—W 151.38 ft. of Tract 2803, Sacramnto Heights, Sacramento. Homestead Lumber Co vs Kasper Thaler, Margaret Thaler, T H Monsen, A Roloff and Jestini Roloff $261.90

BUILDING CONTRACTS

FRESNO COUNTY

$5,000 and Over Reported

DWELLING
NO. 618 HOME AVE., Fresno. Dwelling
Owner—F. R Quick, Brix Apts., Fresno
Architect—None.
Contractor—Valley Constr. Co., $9950

DWELLINGS
NO. 3419-25-31-37 BUTLER AVE., Fresno. Four dwellings.
Owner—E. R. Morris, 2031 Lewis St., Fresno.
Architect—None.
Day's work. $2750 each

DWELLING
NO. 836 A ST., Fresno. Dwelling
Owner—Carl Vogt, Fresno.
Architect—None.
Day's work. $4500

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COMPLETION NOTICES

FRESNO COUNTY

Recorded Accepted

Dec. 19, 1921—S 61 FT. OF E 63 FT. of Lots 11, 12 Blk 3, Martin Home, Fresno. John Klaesen to whom it may concern.....Dec. 17, 1921

Dec. 16, 1921—LOTS 3 AND 4 BLK 2, Cleveland Tract, Fresno. Benj Levy to whom it may concern.... .....Dec. 7, 1921

Dec. 17, 1921—LOT 2, Strivers Tract, Fresno. Howard Stivers to whom it may concern.....Dec. 12, 1921

LIENS FILED

FRESNO COUNTY

Recorded Amount

Dec. 17, 1921—LOTS 1 AND 2 BLK 1 Gladius Addition, Fresno. L Rosenberg vs Carl Tripple $409

Dec. 17, 1921—LOT 14 W 17 ft. Lot 15 Blk 10, Arlington Heights Tct., Fresno. L C Wait and A B Perry vs D L and Rosa Lea Smith.....$34

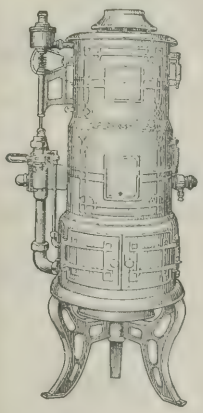
Dec. 16, 1921—S ½ LOT 120, Reoding Villa Col., Fresno. C S Pierce Lumber Co vs T R and Barbara Hays $525

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

$5,000 and Over Reported

RESIDENCE
VERNAL WAY, Stockton. Residence and garage.
Owner—A. B. Goldsmith, 320 W-Flora St., Stockton.
Architect—None.
Day's work. $4200



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COMPLETION NOTICES

SAN JOAQUIN COUNTY.

Recorded Accepted
Dec. 16 1921 LOT 15 BLK 17 Survey 2999, Stockton John David Steele to T E Williamson. Dec. 15 1921

COMPLETION NOTICES

SAN MATEO COUNTY.

Recorded Accepted
Dec. 16, 1921—PTN LOT 67, Sheets No. 1, San Mateo Park, San Mateo D E Gunn to A C Duncan & Co.... ....Dec. 14, 1921
Dec. 16, 1921—PTN LOT 43 San Mateo Park, San Mateo, T G Meyer to A Dusenbury .....Dec. 15, 1921
Dec. 15, 1921—LOT 5 BLK 1, Glenwood Park, Burlingame. Martin Peterson to Martin Peterson. .....Nov. 29, 1921
Dec. 14, 1921—HOWARD AVE GRAMMAR School, Burlingame. Burlingame District School Board to K G Lundquist and A Crivelli (as Rincon Iron Works)..... ...Nov. 28 1921

The Observer.

(Continued from Page 4)

A reinforced concrete and clay tile floor slab test conducted by the Bureau of Standards at Waynesburg, Ohio, has been practically completed and the results will soon be published. The bulletin will contain information of interest and value to contractors who are eagerly seeking means to reduce the cost of building. Applications for the publication should be made to the Bureau of Standards, Department of Commerce, Washington, D. C.

Additional funds for heads of families desiring to build small homes will be available, if arrangements can be made with one of the local banks to handle the loans, according to an announcement of the Berkeley Real Estate Exchange. "One of the large eastern insurance companies has offered to loan money for the construction of five or six room houses to the property owners," said W. A. Porter, president of the Berkeley Real Estate Exchange. "This money, however, cannot be handled through real estate firms and will have to be handled through some local bank, who will appraise the property and safeguard the insurance company."

The Master Builders' Association of Sacramento at the annual election of officers, named George D. Hudnutt as President to succeed himself. Ira C. Boss was named First Vice-President; L. G. Siller, Second Vice-President; W. B. Ladue, Secretary; G. B. Stahl, Treasurer, and A. W. Norris, Sergeamt at Arms.

Following are the officers elected by Los Angeles Section, American Society of Civil Engineers: President, Ralph J. Reed, chief engineer of construction of Union Oil Company; first vice-president, F. D. Howell, transportation engineer; W. H. Code, consulting engineer; treasurer, E. R. Bowen, consulting engineer; secretary, F. G. Dessery, consulting engineer. Directors, R. J. Reed, F. D. Howell, W. H. Code, E. R. Bowen, F. G. Dessery, W. K. Barnard, consulting engineer, and H. W. Dennis, chief engineer of construction of Southern California Edison Company.

Cost and methods of placing steel reinforcement in concrete roads is the subject of a booklet prepared by H. Eltinge Breed, former Deputy Highway Commissioner of New York State. Copies may be obtained free from the National Steel Fabric Company, First National Bank Building, Pittsburg, Pa.

Sumner P. Hunt has been elected president of the Southern California Chapter of the American Institute of Architects. Other officers were elected as follows: Reginald Johnson, vice-president; Chas. F. Plummer, secretary; Alfred W. Rea, treasurer, and Edwin Bergstrom, director for three years. The newly elected officers will be installed at the January meeting.

The Lakewood Engineering Company announces the consolidation of its Pacific Coast office with those of the Smith-Booth-Usher Company, its exclusive representative, at 50 Fremont St., San Francisco, and 228 Central Ave., Los Angeles.

S. F. CONTRACTORS WIN FRESNO SUIT

Judgment for the plaintiff was given by Judge D. A. Cashin of Fresno in the superior court, in the case of the Unit Construction Company of San Francisco, against the Fresno Dehydrated Products Company, Inc., in accordance with a stipulation filed by attorneys in the suit. The plaintiff sued for a judgment of $7,259.30 alleged due from construction of a plant of the defendant company, which filed a petition in bankruptcy July 9, and was adjudicated a bankrupt October 15.

December 21, 1921

Central Council of the
Builders' Exchange,
180 Jessie Street,
San Francisco, Calif.
Gentlemen:

The General Contractors of San Francisco extends cordial Christmas Greetings to the Builders' Exchange with congratulations on the progress made during the past year in uniting the local building fraternity under able leadership into a representative working body animated by a spirit of good will and holding the respect of the public and the material support of the business community. May the good work be extended to embrace the entire State in united and sustained effort to proclaim and maintain with respect to the building industry those principles and practices of intelligence, honesty and fair play upon which all enduring business must rest.

Very respectfully,
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Published Every Saturday
Twenty-first Year No. 53

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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities on the Pacific Coast

Issued Every Saturday — SAN FRANCISCO, CALIF., DECEMBER 31, 1921 — Twenty-first Year, No. 53

Building & Engineering News

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San Francisco, Calif.

MRS. L. V. LARSEN, Publisher
J. P. FARRELL, Managing Editor

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Official Paper of Vallejo Builders' Exchange

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Happy New Year

ENGINEER QUAIL NOT OPPOSED TO CONCRETE FOR PAVEMENT

In December 10th issue of Building and Engineering News, appeared an article carrying the opinion of F. E. Quail, San Joaquin County Surveyor, with regards to oiled macadam roads. The article is correct except as to the last sentence, in which CONCRETE BASE was named instead of OILED MACADAM BASE.

In connection with the article, Mr. Quail wishes to make it known that he is not opposed to the use of concrete for a road pavement under certain conditions.

"I believe that San Joaquin County has demonstrated that no mistake was made in constructing her system of improved highways of oiled macadam," Engineer Quail says. "They have now been in use for a period of ten years and I believe their service rendered the public has justified the wisdom of those who constructed them. The past fiscal year the cost of maintenance was $465.33 per mile and this cost included a considerable amount of reconstruction of 12 to 15 feet width of pavements to 18 feet and of increasing the thickness of the original pavement from 1½ to 2 inches.

"Our improved highways are accommodating traffic as ascertained from a traffic count for the past year, of an average of 732 horse and 13,803 motor propelled vehicles per day, equivalent to a total tonnage of 29,174 tons per day. Some individual roads carrying as much as 16% of the entire traffic and some as little as 2%.

"From my experience with asphaltic concrete or bitulithic wearing surface, when laid over an old oiled macadam base I believe it is the most serviceable pavement that San Joaquin county could construct and much cheaper than any other type of pavement."

SUTTER SURVEYOR NOT AUTHORIZED TO TAKE PAY FOR OTHER JOBS

Sutter County would not be authorized under the law to employ its County Surveyor as a superintendent or road foreman and pay him compensation in addition to his salary as surveyor.

This is according to an opinion by Attorney General U. S. Webb to Arthur Coats, District Attorney of Sutter County, who put the question to Webb for decision.

Webb says he based his conclusion that the County Surveyor would be barred from accepting additional compensation as a road superintendent or formam on the case of the County of Humboldt vs. Stern, decided by the Supreme Court.

AMERICAN CONCRETE INTITUTE TO MEET

The American Concrete Institute will hold its annual convention at Cleveland, O., Feb. 13-16. The program, as outlined by the Board of Direction, will be spread over nine convention sessions—two sessions a day for three days and three sessions on a fourth day. Theses will be divided as follows: Two sessions for contractor problems — the practical problems on the job; two sessions for concrete products manufacturers; one session on roads; one session on houses; one session on research; two sessions on engineering design and inspection.

BABCOCK TO LEAD STATE HIGHWAY OFFICIALS

C. M. Babcock, commissioner of highways for Minnesota, without opposition was elected president of the American Association of State Highway Officials which closed its annual convention in Omaha, December 8.

The following is the list of the other newly elected officials: C. J. Bennett, state highway commissioner of Connecticut, vice-president; Charles M. Upham, state highway engineer of North Carolina, secretary; Frank T. Sheets, superintendent of highways for Illinois, treasurer; Col. William D. Uhler, chief engineer of Pennsylvania, elected to succeed himself, and D. P. Olson, director of the bureau of highways for Ihado, as members of the board of control.

BUILDERS' EXCHANGE OF ALAMEDA COUNTY ELECT DIRECTORS

The Builders' Exchange of Alameda County has elected the following to serve as a Board of Directors during the year 1922: Sam Nolte, W. P. Whalin, Robt. King, T. D. Sexton, H. McMahon, W. J. Higgins, J. D. Bowen, L. C. Flood, D. Williamson, E. S. McFarland, Dick Osborn and E. M. Tilden.

BANKERS ATTENTION!

Says the American Contractor, Chicago: Bankers are supposed to know current conditions; also, they are supposed always to get their money's worth when they make an investment. Bank building has been active for more than a year. These banks are not investing good money in structures which are going to deteriorate in value because of falling markets. The fact that a bank invests its own money in a new building is pretty good evidence that the banker's judgment tells him that the new building is worth the money.

Mr. H. V. Hart, Cleveland representative of the Wisconsin Iron and Wire Company, writes us that the Union Trust Company of Cleveland, within the last eight weeks, has let contracts on three branch bank buildings. The first contract calls for an expenditure of $150,000; the second calls for a like sum and the third calls for $200,000.

Just call that to your local banker's attention.

ELECTRICAL OUTPUT FOR OCTOBER

The United States Geological Survey reports that during the month of October, 1921, public utility power plants in the United States produced 3,541,159 kilowatt hours of electricity, of which 2,402,069 were produced by fuels and 1,139,090 by water power. To produce the above amount of electricity the combustion of fuel in the following quantities was required: 2,720,826 tons of coal, 1,175,585 barrels of fuel oil and 2,297,475 cubic feet of natural gas. These figures are based on returns from about 3200 power plants producing 10,000 kilowatt hours or more per month engaged in public service, including central station, electric railways, and certain other plants which contribute to the public safety.

SAN JOSE BUILDERS ELECT OFFICERS FOR 1922

The following officers were elected for the year 1922, at a well attended meeting of the San Jose Builders' Exchange, December 23: Kenneth Morrison, president; J. A. Wagner, vice-president; H. J. Pascoe, secretary; J. C. F. Stagg, treasurer; J. D. Gilbert, sergeant-at-arms.

A discussion of the American plan in the building trades followed, and it was evidenced that a majority of the members present favored the plan. A 30-6 vote in favor of the plan ended the discussion. W. H. George, of the Henry Cowell Lime and Cement Company addressed the meeting.

Joint Conference of Engineers, Architects and Constructors Launch Long-Hoped-For Plan to Standardize Construction Contracts

The standardization of construction contracts towards which all far-sighted men in the industry have been looking for the last twenty years seems destined to be achieved at last through the united efforts of a "conference" held in Washington, D. C. recently.

This conference was composed of delegates appointed by eight national societies representing the engineers, architects and contractors of the United States, and the definite plan adopted was one which would ultimately produce a standard form of contract "agreement" which would be acceptable in all sections of the country and in all phases of this huge industry which now ranks second only to agriculture in national magnitude.

Every constructor and owner who has wrestled with the intricacies of a contract, or worried over the exact yet doubtful meaning of its many complicated and legalized phrases, will approve this first attempt to frame in simple Anglo-Saxon words an equitable and universal document.

A survey of the situation made several months ago by Brigadier-General R. C. Marshall, Jr., formerly Chief of the Construction Division, U. S. Army, during the world war, disclosed the fact that today there are in common use throughout the construction industry, **over 200 different forms of contract**, and that no one state or section had yet been able to establish any one form as standard or customary.

Expert engineers at the headquarters of the Associated General Contractors of America in Washington, were then assigned to the task of analyzing these 200 different forms in order to discover whether the variety of "jobs" involved required any such variety of forms.

After many months of painstaking comparison and research, W. P. Christie, in charge of this work as research engineer for the Associated General Contractors reported that the differences were chiefly superficial differences of words and phrasing rather than differences of meaning or stipulations, and that at least two-thirds of all the provisions contained in each of the 200 documents were common to all documents, and therefor could be included **in one standard contract form**, if rewritten in simple universal style.

It was found that stipulations which were characteristic or peculiar to the building trades, or to the railroad construction field, or to waterwork projects, or to highways could be assembled together in one standard form, entitled "general conditions," applicable to that one field of construction only, and added to the standard agreement form as addenda.

In this way, it would be quite possible to draft a standard contract which would cover all cases of construction work, no matter in what field, and the only alteration that would ever need to be made to it, would be in selecting the standard form of "General Conditions" which covered the type of job concerned. Experts believed that a half dozen such forms would cover the main subdivisions involved in the construction industry.

This plan together with a "tentative outline" was submitted for consideration to the American Association of State Highway Officials, American Engineering Council, American Institute of Architects, American Railway Engineering Association, American Society of Civil Engineers, American Waterworks Association, Associated General Contractors of America, National Association of Builders' Exchanges, Western Society of Engineers.

All made favorable responses and appointed representatives to come to Washington to constitute a conference on the subject and proceed with the drafting of a tentative form of contract which could later be officially submitted by the conference to its constituting bodies for criticism, amendments, and ultimate ratification.

The conference met in the assembly room of the Department of Commerce Building in Washington, December 15 and 16, and was addressed by Secretary of Commerce, Hoover and General Marshall, both of whom expressed a very lively and sincere hope that the conference would ultimately devise a form which would become as standard in its field as the standard forms of bank checks, notes and mortgages are in the field of banking and commercial trade.

EXTRACTS FROM SECRETARY HOOVER'S ADDRESS TO THE CONFERENCE

"This conference is to consider whether something can be done to standardize * * or generally improve the whole basis of contract forms used in the construction industry.

"I believe there is a great field there, not only in protection to the public but in the general improvement of ethics in the industry itself.

"I know that at the time I was in engineering work, this whole variation and specification of the contract basis for construction work of all kinds was an outstanding sore, and I have been in hopes that it was possible to do something.

"It all comes in line with the things many of us are much concerned with, and that is fundamentally the elimination of waste, lost motion, improvement of business practices throughout the whole of the United States.

"* * we will be delighted to back up anything that you can come to any agreement on * * *."

Secretary of Commerce Hoover, said, in opening the conference:

"Well, gentlemen, this conference is to consider whether something cam be done to standardize or simplify or reinforce or generally improve the whole basis of contract forms used in the construction industry.

"I belive there is a great field there not only in protection to the public out in the general improvement of ethics in the industry itself. I don't profess to know much about it, but it is a matter that has not come under my purview for some years. I have been too much out of the engineernig work for the last seven years to give much thought to it.

"I know that the time I was in engineering work this whole variation and specification of the contract basis for construction work of all kinds was an outstanding sore, and I have been in hopes that it was possible to do something. It all comes in line with the things many of use are much concerned with, and that is fundamentally the elimination of waste, lost motion, improvement of business practices throughout the whole of the United States.

"We have to remember that we have now an enlarged and inflated cost of distribution primarily, rather than production, and that we have a disparity due to the fundamentals of the increase in Federal taxation and railway rates that are making a wider margin between production and final distribution costs than we have ever had to face before, and unless we can crowd that margin down somewhat by just sheer increase in efficiency, we are not going to be able to hold up the standard of living in this country and hold up our competitive position outside. So this is one of those things that ramify in many directions.

"I now therefore leave it to you, and we are glad to have you come to this Department, because we have started a definite program along these lines, not from a point of view of trying to compel anybody to do anything, but trying to mobilize all the different branches of industry for cooperative action, and while you can do much to get this thing straightened out it is probable that the Department of Commerce could be of moral assistance to you in getting it over when you have once arrived at some conclusions, and we will be delighted to back up anything that you come to an agreement on, and I have been astonished at the desire of the different industries to effect these things in every direction and their willingness to cooperate with other industries to make the work of each individual industry effective.

"We had the case the other day of the simplification of certain manufactured articles. The great majority of the manufacturers were represented here, but claimed that some minority would not help. They could not do any thing without the assistance of other branches, and therefor, I called in both the wholesalers and retailers in those directions and asked them if they would cooperate, and they have cooperated so far as to almost set up a boycott against certain manufacturers because they would not fall into line with the great majority, and they did it purely out of national interest.

"Somebody somewhere has got to eliminate the waste in this whole situation. I only mention that as a point where this Department can be of help in getting the allegiance of the related industries and trades, and help you to get over some program of this kind.

"So that all I am doing is to give you our blessing and to tell you that the Department of Commerce is yours. Go to it. (Applause.)

"Now it is up to you, I think, and if there is anything in the Department by which we can be of help, statistical or otherwise, **do not hesitate to call on us.**"

The aim of the conference in beginning work on this difficult task was to achieve the following advantages for the entire construction industry and all its affiliations:

(1) Less expenditure and legal service; (2) Less duplication of work in the professions; (3) Elimination of disputes; (4) Better safeguard for owners and increased public confidence; (5) An improved standard of construction service throughout the country.

Officers of the Conference were elected as follows: Chairman, Onward Bates of Chicago, representative of the Western Society of Engineers; Vice-chairman, J. W. Cowper of Buffalo, N. Y., representative of the Associated General Contractors—he served as chairman during the first session owing to Mr. Bates' sickness; Secretary, W. P. Christie of Washington, D. C.

General R. C. Marshall Jr. and William B. King, representing respectively the Associated General Contractors and the American Bar Association, were elected members of the conference. Other delegates were: W. A. Rogers of Chicago, substitute delegate for the Western Engineers; E. W. Reaugh of Cleveland, for the Builders' Exchanges; A. P. Davis, for the Engineering Council, substituted for by L. W. Wallace; J. Waldo Smith of New York City, for the Waterworks Associations; William S. Parker of Boston, for the Architects; H. K. Bishop of Washington, for the Highway Officials; H. Eltinge Breed, for the Civil Engineers, substituted for by J. S. Langthorne; W. D. Faucette, for the Railway Engineers.

A course of procedure devised by General Marshall for the study and development of standard forms was unanimously adopted as the method of handling the job.

References were made to similar efforts which had been made by the American Engineering Standards Committee in setting standards for materials and methods of construction; also to work by the Engineering Council in drawing up standards for government contract work; and to the effort of the American Railway Engineering Association along the same line in their special field.

William S. Parker of Boston, Mass., secretary of the American Institute of Architects narrated the interesting experiences of their committees during the last twenty years in the attempt to promulgate a standard form of contract which would be universally accepted by architects and builders.

He said: "Our work started back in the very early 1900's and a committee worked for five or six years on what was eventually called the first edition of the American Institue Standard Documents. That document was not put into general use because it was badly planned in its physical arrangement and printed in type not easily read and was developed by architects with the view of protecting the interests of the owner only.

"In 1912 we realized that it wasn't accomplishing its purpose or justifying the time and expense put into it and took up a plan for revision under the chairmanship of Frank Miles Day of Philadelphia.

"Later we called a meeting of contractors, sub-contractors and architects and legal representatives of both sides, in Philadelphia, and both sides had their say as the document developed. That was completed and the second edition printed in 1911, but the Building Trades Employers' Association in New York took exception to a few points, so we called a further conference in 1916, and issued our third edition in 1917. This edition is selling at the rate of 50,000 copies annually, and our Board of Directors has decided that we will not make any further changes for some years to come."

Mr. H. K. Bishop speaking for the highwaymen, described how the U. S. Bureau of Public Roads had enforced the standardization of contract forms, also the bond, proposal, specification and plans forms which were used in highway construction that involved federal aid.

He said: "In general we used the short form of contract covering only one or two pages, making all the specifications, which carry all of the standard clauses, a part of the contract. Even the sheets were of standard size and typography, and we went so far as to standardize the structures. Now you will find if you pick up specifications in one state you can't tell what state it is until you look to see on the title page. And we find that the counties are gradually following the states so that this standardization is extended not only to the forty-eight states of the Union but to most of their sub-divisions. We have found that very much simplifies the work."

Mr. W. D. Faucette of Norfolk, Va., chief engineer of the Seaboard Airline Railway, speaking of his experience as Chairman of the Committee on Reform of General Contract forms, described the "uniform general contract form" which the Association of Railway Engineering Association had adopted at its convention in 1913, and printed in its Manual. After stating that it was not obligatory upon the membership of his Association to use it but that it was generally considered a "guidepost" for engineers with railroad contracts to let, he said: "I sent out seventy-five letters to the principal railroads of the United States and Canada to ascertain the use and adaptation of this contract form. The predominating answer was that they were not using it verbatim but were using it constantly as a guide, and the legal departments themselves adjusted the phraseology as they saw fit."

J. Waldo Smith, chief engineer of the New York Board of Water Supply, showed a sympathetic attitude for the hard-working contractor by explaining how the corporation counsel of any city was inclined to encumber the contract with all sorts of binding clauses so that there was never any opportunity for the contractor to "recover" under the contract for any particular hardship and that the principal hope and guarantee of the contractor on a public works job lay in the "reasonable rulings" of the chief engineer who acts as judge on disputed points.

He said: "We are embarking on a very praiseworthy effort to simplify contracts. I presume to have eliminated any clauses which the legal profession insists on having put in and which we engineers and architects think are unfair. It seems to me you are starting out in the right way with this intention to create a framework on which the substance can later be built. That will be a distinct help and tend to eliminate a great deal of trouble that we have had in the past."

W. A. Rogers of Chicago, Ill., speaking for the Western Society of Engineers said: "I only wish Mr. Bates were here, for after many years experience as an engineer and later as a contractor, he has in recent years made his principal business a matter of arbitration. I am hopeful that this convention shall be a success, and I feel that what we have got to strive for is not a perfect document but the best one we can get. Then we can improve it year after year."

E. W. Reaugh, president of the Reaugh Construction Company of Cleveland, Ohio described the experiences of fellow contractors in Cleveland with the standard form already introduced there by the Institute of Architects, by saying: "We find out that some of our largest contractors in the City of Cleveland have never even heard of these standard documents, and when I last reported to the Builders' Exchange that our committee considered the sub-contractors had been well represented and the general contractors had been forgotten entirely in these documents, many of them wanted to know about the standard documents and a few got copies and have been looking them over since. One large contractor reported to us: 'When we go to the architects to sign up they just tear out this first part of the agreement and pay no attention to the balance. Other architects we go to, sign up the agreement and then substitute their own general conditions. Still others look through the general conditions and so on and mark them up and change them so you can hardly tell them when you get through with them. Thus you get a set of documents which you think you understand legally and when you go to your architect he wants to change something else. It means go to your attorney every time so that you know where you are at.'"

William B. King, legal expert on contract forms, said: "The principal things that it seems essential to me to do are first the people who already have standardized forms should be recognized as being the proper people to discuss the special forms relating to their business and second, that there should be an effort (after these discussions) to get together and agree as far as possible on a uniform wording of those different contract forms."

General Marshall then spoke briefly as follows: "I just want to make a plea for the construction industry for two or three minutes. Construction has always been looked upon in this country in its elements. It has not been looked on as an industry. It has been looked on as architects, as engineers, as general contractors, as subcontractors, as material manufacturers, as material units, as equipment manufacturers, equipment dealers, insurance men, and you can count many more.

"In thinking about this subject I naturally think about the time at the beginning of the war. There were some of us in the War Department who had to make quick progress, knowing that this construction work was necessary before soldiers could be drilled, munitions manufactured or distributed. Was there a construction industry that the nation could turn to in this crisis? There was none. Was there a standard contract that the nation could turn to? There was not, and there are 200 contracts over there in that box that you can have. That problem has been working in my mind since that time.

"Now the object today is, I believe, to do for the whole construction industry what the American Institute did for the building branch of it and surely the business conditions of all construction work are alike.

"The fact that these different things have been considered in their elements is one of the grave causes why the public looks upon construction as it does, as the most loosely co-ordinated business that the country has. No two of them think alike. The engineer does not think like the architect with respect to business conditions. Neither of them thinks like the contractor. We found at the beginning of the war that not only was this the case, but each mistrusted the other, and the attitude of the public was the same as that [illegible] that you had of each other.

"That was the reason we got the newspaper [illegible] got wh[illegible] you got the reputation that culminated

in what the Graham Committee said about profiteering and other things in connection with it. No set of men worked harder or accomplished more than the engineering architects and contractors did all through the war, but because of that looseness of co-ordination and because there were 200 contracts where there ought to have been five or ten, and because you did not all talk the same language, although you were doing the same kind of work, you got that reputation.

"I believe there are many contract conditions that are common, that can be expressed in language carefully picked from contracts already existing, and if we can segregate these common conditions we will get a co-ordination between the professional and construction side, so that at least that much of it will be on the road to solution. This assemblage here is a plea for co-ordination in the construction industry."

The final session of the conference was devoted to a detailed study of clauses which could be approved for incorporation in the standard contract "agreement," the members voting on each topic separately until a definite list of topics had been made which seemed acceptable for universal use.

It was the concensus of opinion that such a universal document could be achieved, and its scope or length would have to be determined after prolonged consideration of each topic in detail.

It was also decided that sub-committees should later be appointed in each phase of the industry to draw up the standard form of "general conditions" (one for the railroads one for the builders etc.) which would complement the general "agreement" according to the nature of the job.

Thus the general principles of the universal contract were fixed, and a committee consisting of General Marshall for the constructors, W. S. Parker for the architects and W. D. Faucette for the Railway Engineers, was appointed to write out the document in tentative form for correction and approvel by the conference at its next meeting in January, after which the forms will be transmitted officially to the various societies and organizations interested for further consideration and ultimate adoption.

Just before adjournment, the conference passed a resolution of appreciation and thanks to General Marshall for the great amount of work he had done in preparing the "tentative outline" and for his untiring efforts in arranging for conference action.

Oakland Builders' Exchange Stages Annual Christmas Tree Jinks

The first annual Christmas Tree Jinks of the Oakland Builders' Exchange was held Wednesday evening, December 28th, 1921, at the headquarters of the Exchange, 351 12th St. The house was packed to the door and it is safe to say everybody had a glorious time. As the music, mirth, stunts and refreshments de luxe were of the best quality.

William Makin, the well known plasterer of Oakland, sang a solo and you all know Bill can sing.

Max Horwinski was there with a line of talk which kept the boys laughing.

Mr. A. H. Winchole, the Scotch plasterer from Richmond, sang Scotch songs.

L. B. Allen, of the Emeryville Hardware Co., played a solo on the one string Cello.

Frank Oates, the well known salesman for the Oakland Lime & Cement Co., also sang a solo. Frank is not only a salesman, but is some song bird.

T. D. Sexton, another one of Oakland's prominent plasterers, acted as Impresario and General Chairman of the evening. The boys behind the counter must be given credit for the way they handled the crowd. Mr. P. F. Bradhoff, the roofer; D. C. Stanford, electric contractor and Mr. Jamieson of the firm of Rhodes-Jamieson Co., served on the Refreshment De Luxe Committee.

T. Gimme made his appearance on the stage in Scotch kilties, but did not have much to say.

Ed. Dowdle, the printer, was there with a song as were many handsome young ladies.

The prizes were awarded, hot refreshments were served and the party continued on till the sma' hours of the morning.

Credit must be given the Oakland Builders' Exchange for its hospitality and the way in which it entertained the guests, as the whole affair was a grand success.

The Committees consisted of the following.

Reception Committee—E. C. Graff, Chairman; Sam D. North, R. King, J. W. Rule, W. B. Rue, G. G. Jamieson, F. H. Austin, R. N. Osborn, R. W. Littlefield, E. M. Tilden, H. McMannus, W. H. Graham and F. Parsons.

Jinks Committee—Robert R. Smith, Chairman; Earle C. Beatie, L. C. Fraser, Wm. Makin, F. R. Oates, T. D. Sexton, W. G. Thornalley.

Door Prize Committee—L. C. Fraser, Chairman; Sam North, Alfred Olson, Chas. Hughes, Everett Dowdle, W. E. Whalin.

Following is a list of the donors of prizes:

Dowdle Printing & Rubber Stamp Co., Order for $10 worth of printing.
Edw. R. Bacon Co. (Mr. James), Mysterious envelope of great value.
Jas. L. Rich, 2 Saw Horses.
The Duroxo Mfg. Co., Merchandise Order.
M. Friedman & Co., Wall Paper Order for $5.00.
Livermore Fire Brick Works, Order for $10.00.
Henry Cowell Lime & Cement Co., Purchase Order, $10.00 worth of Mt. Diablo Portland Cement.
W. E. Whalin, Box of Candy.
The Rigney Tile Co., 1 Fire Place Screen (round or folding).
Oakland Lime & Cement Co., Merchandise Order for $10.00.
Chris Nelson Co., $20.00 Wall Paper Order.
W. E. Whalin, Box of Candy.
E. P. Tenney, $10.00 Building Material Order.
Sunset Lumber Co., 1 load Firewood.
M. Mortensen, 1 Box of Cigars.
E. L. Blackman Co., 1 Auto Radiator Light.
Sexton's Cigar Store, 1 Carton of Chesterfield Cigarettes.
W. P. Fuller & Co., 1 Gal. of outside spar varnish.
The Paraffne Companies Inc., 1 Pabcolin Rug, 9x9.
Federal Mutual Liability Insurance Co., Box of 50 Cigars.
Rhodes-Jamieson Co., $10.00 order for purchase of material.
Clay, Hotchkiss & Schroeter, $1000 Check Alteration Bond.
Sexton's Cigar Store, 1 Box of 100 Marquise Cigarettes.
Contra Costa Bldg. Material Co., $10 Material Order.
Holmes Lime & Cement Co., Five Sacks Diamond Hydrated Lime.
Sexton's Cigar Store, 1 3-lb. Box of Candy in fancy work basket.
Oakland Bldg. Material Co., $10.00 Order for Material.
A. J. Taylor & Co., $500 Fire Insurance Policy on Property.
E. H. Nash & Son, A mysterious package of value.
Walter Simpson, 2 Blackboards.
Cobbledick Kibbe, 4 Cut Glass Paper Weights.
Emeryville Hardware Co., Pearl Handled Knife.
Fred Ferriro, A Plaster Figure.

MACHINE DIGS TUNNEL AND LINES SIDES WITH CONCRETE

A machine which can tunnel underground in any desired direction, removing the earth in its path and leaving behind it a finished conduit, with concrete-lined walls, is the latest thing in subterranean construction work. The new device is the invention of Milton R. Sheen of Philadelphia and was given first place in practical demonstration recently when it dug a tunnel under Fifth and Grange streets here in record time.

In four hours the machine constructed 18 feet 8 inches of perfectly lined conduit, 52 inches in diameter. Its best record in the test was 5 feet 8 inches of finished tunnel in an hour.

The feature of the invention lies in the fact that any amount of sewer main or water main and conduit construction can be carried on beneath streets without causing any interruption to surface traffic. The machine can construct tunnels up to 12 feet in diameter. Engineers, contractors and officials connected with the Philadelphia Department of Public Works predict that present day methods of engineering underground will be revolutionized with the broad adoption of this device.

The machine itself consists of a steel drum into which is fitted a revolving cutting head back of which is an earth conveyor, and a helical lining construction. The power is supplied by electricity from a portable generator.

As the cutting head revolves, digging and cutting into the earth in front, the arms of the cutter throw the earth into buckets, from which it is carried off on a conveyor belt and dumped into cars brought up on tracks laid in the finished tube behind the machine.

The motors and gearing are in the center of the steel drum, also the controls which direct the operation. Electric lights and seats for the operators are provided. Directly behind the motors and gearing is a helical-faced cam, which places the specially constructed lining blocks. The blocks, when pushed into place by the machine, cause an expansion which brings all the heads of the blocks directly behind into close contact and advances the steel drum. The lining is thus fitted into the surrounding earth without disturbance, as though it were a part of it. Mortar may be used or the lining may be used dry if desired. The blocks are placed in a spiral in order to give the necessary forward motion, which keeps the cutting head in contact with the earth.

Special controls permit the machine to be raised, lowered, or shifted from side to side, enabling it to tunnel in a straight or curved course. Inductors and transits are set up at the rear of the tunnel in order to insure an accurate course for the bore.

The only excavation work in connection with the operation of the devise is the digging of a hole large enough to lower the machine to the required level of the protected tunnel. Once set the current is turned on and the steel drum leaves the excavation and starts on its underground journey, without causing any disturbance on the surface of the ground.

BUILDING OUTLAYS FOR YEAR AMOUNT TO $2,500,000,000

Building outlays throughout the country will reach $2,500,000,000 for the year.

Contemplated work for an equal amount will be carried over into 1922. It assures a continuance of constructional activity at new high volume records.

Reports from twenty-seven northwestern states, as announced by F. W. Dodge & Co., show $2,161,500,000 in contracts awarded. That the coming year will exceed this total is indicated in contemplated work for the past month, calling for $395,668,000—or more than double the $192,311,000 begun under contract. Total outlays for the year to date are 11 per cent above the five-year average.

Central West contracts this year have reached $599,119,000. They cover Illinois, Indiana, Iowa, Michigan, Wisconsin, Missouri, parts of Nebraska and Eastern Kansas. It is 2 per cent above the five-year average. November's $45,462,000 was 3 per cent below last year, but there is a rush of contemplated work — $150,000,000. The residential contracts call for 36 per cent.

Minnesota and the Dakotas, with $4,701,000, are 55 per cent above last year.

STANDING TIMBER IN THE PHILIPPINES

Two hundred billion board feet is a conservative estimate of the standing timber in the Philippines now available for logging, in the opinion of the Philippine Director of Forestry, who believes that 16,000,000,000 feet of Philippine lumber is wasted every year for lack of facilities to manufacture it and the absence of an adequate market. The average monetary loss, it is pointed out, approximates $400,000,000. The total capacity of the logging interests in the Philippines is less than 150,000,000 feet of lumber, and the sawmill capacity does not exceed 125,000,000 feet per year, the records show.

TO DETERMINE EFFICIENCY OF DETONATORS

At the Explosives Laboratory at the Pittsburgh Experiment Station a series of sand tests has been completed with the object of ascertaining the accuracy of the tests for determining the efficiency of a detonator for use with explosives. Further work is being done with T. N. T., tetryl and California detonators along the same lines. From the results it will be possible to formulate specifications and tolerances for the detonators now in use and indicate means of testing and fixing tolerance for any new types that may be developed.

ALUMINUM THE MOST ABUNDANT METAL

Aluminum is the most abundant metallic element. It is an essential constituent of nearly all rocks except sandstones and limestones, according to the United States Geological Survey, Department of the Interior. Though it is more abundant than iron it has been of no use until the last 20 years, for it is locked up so tight with oxygen that only the electric furnace can easily separate the two elements and give us the metal for our pots and pans and the thousand other things that we now make of it, including even the bodies of some automobiles and certain parts of some airplanes.

The Observer

Free wholesale markets were urged in an address by R. C. Marshall, Jr., General Manager of the Associated General Contractors of America, at the annual banquet of the Portland Cement Association, held in New York, December 12. In part, his remarks follow:

We have just passed through a year of general business depression. With a market which demanded of you normal production, at no time have prices of raw materials warranted storage in any considerable amount, so we face the coming year with less cement in storage than is usually the case. Since 1914, there has accumulated a deficit in construction in certain lines, which is estimated by various authorities to amount to from twelve to twenty billions of dollars, and a normal year of construction is estimated to be four billions. Never before in our history have so many different kinds of literature taken cognizance of such a fact — newspapers, publications of banking and business houses, even religious papers. The people of the construction world have for years wanted the eyes of the whole country upon them, and now they have it. Let us consider what those eyes see.

No Coordinated Construction Industry

Ending November 16th, four men from the Associated General Contractors of America visited some 20 odd cities west of the Mississippi River, with a purpose to present construction in its proper light and to get the reaction of the people in those localities to what they had to say. Although the people of that country are sensible of the deficit in construction, they found an acknowledgment that the safest investment is not in construction work, and also a desire for that work that goes to create the permanent tax paying development of the country. But, they found too, because of that lack of confidence, that construction will not go forward except where absolutely necessary.

Construction work has been looked upon in its elements. In illustrating this idea I cannot help but hark back to the opening of the World War. Construction work of tremendous magnitude was necessary. Was there a construction industry to which the nation might turn? There was not. There were architects and engineers, contractors, labor and manufacturers, but we found the elements distrustful of each other. The net effect of this situation is that construction has earned the reputation of being the most loosely coordinated business in the country.

The Construction Industry has been organized in its several elements. Heretofore, in these organizations we all have been too individualistic, and our organizations were open to the criticism of being used for our selfish interests only. This is so thoroughly believed by the public that there is a critical and angry public opinion charging us with malpractice, price fixing and evasion of the anti-trust laws. Whether these charges are correct or incorrect, this public opinion delays the construction of economic facilities now essential to the national welfare. Let us see what we can do to restore confidence.

Relation of Cements to General Contractor

Because of the audience I am addressing, I will talk about cement and its relationship to the general contractor. There are some 15,000 or 20,000 general contractors who buy cement, some in small quantities, some in large quantities, and these men, generally speaking, are the men to whom the public puts the question, "Is the cost right?" "Are the costs such that now is the time to build?" Are they properly informed as to why they have to pay the price they do for cement? They think they have to pay too much for it. These men believe that the manufacturers could and should keep such a control over their product as to maintain actual competition in their several localities. They believe that, where they order in sufficiently large quantities, they should be able to purchase direct from the manufacturer. They believe that no middleman should receive a commission unless he renders an actual service.

In the past the fiction has prevailed in some cases among raw material manufacturers that the local retail dealers will not handle small order distribution unless they are given a commission on the large orders placed in their territory, and that they cannot give large consumers access to the wholesale markets without losing the service of the retail distributors. No group of men should be kept in business by means of tribute exacted from an industry. Public opinion seems to demand that there shall be a free wholesale market where wholesale prices of commodities are quoted publicly, and that any purchaser buying the minimum wholesale amount or more shall be able to obtain materials at the wholesale price.

Regain Public Confidence Through Cooperation

Looking to the future, we must adopt principles and procedures which will gain and deserve public support. It requires our present joint interests to be cooperative with all the factors interested in construction to promote public confidence. If the general contractor states that the cement industry does not deliver its goods at the proper price and the cement industry states that the general contractor has a like failing, the public will believe you both and will use you only as a matter of necessity. However, if you both will cooperate with one another and will conduct your cooperation in the full sight of the public, you will beget and maintain public confidence and will break down the dam that is now holding in check the great [illegible] for our national welfare in harnessing our great water powers, in reclaiming and irrigating great waste lands, in developing sorely needed terminal facilities and, in fact, all of the refinements necessary for a lower manufacturing cost and a lower marketing cost so that our products may compete with those of all other countries [illegible] country cannot go forward and fulfill its destiny.

Building News Section

APARTMENT HOUSES

To be Done by Day's Work.
APARTMENTS Cost, $20,000
SAN FRANCISCO. SE Euclid and Palm Avenues.
Three-story and basement frame (6) apartments.
Owner — Carl Jorgensen, 604 Mission St., San Francisco.
Architect—E. E. Young, 251 Kearny St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $15,000
SACRAMENTO, Cal. Thirtieth St., bet. O and P Streets.
Two-story frame (4) 4-room apartments.
Owner—T. K. Dixon and wife.
Architect — Frederick S. Harrison, People's Bank Bldg., Sacramento.
Contractor—A. W. Norris, People's Bk. Bldg., Sacramento.
SPECIFICATIONS
Foundation, concrete; Roof, composition; Plumbing Fixtures, Standard; Exterior Finish, rustic.

Figures To Be Taken Shortly On Revised Plans.
APT. HOUSE Cost, $150,000
SAN FRANCISCO. Octavia Street.
Eight-story reinforced concrete apartment house (16 apartments).
Owner—Thos. McDougall.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Figures are to be taken for a general contract.

Revised Plans To Be Figured Shortly.
APT. HOUSE Cost, $400,000
SAN FRANCISCO. NW Francisco and Larkin Sts.
Five-story and basement Class B reinforced concrete apartment house. (4, 5 and 6-room apartments).
Owner—Thomas McDougall.
Architect—Joseph L. Stewart, Claus Spreckels Bldg.
Figures are to be taken for a general contract.

Taking Figures For Materials and Sub-Figures.
FLATS, ETC. Cost, $750,000
LOS ANGELES, Cal. Bimini Place bet. First and Third Sts.
Frame and plaster residential flats and apartments (four two-story units) 58 flats of 4 and 5 rooms each; 6-story reinforced concrete apartment house; 38 frame and plaster garages and a large brick public garage.
Owner—J. J. Warrick and Dr. C. M. C. Walters.
Architect — John J. Frauenfelder, 1116 Story Bldg., Los Angeles.
NOTE:—Excavation has been started.

Plans Being Prepared.
APARTMENTS Cost, $50,000
SAN FRANCISCO. E-24th Ave. bet. Lake and California.
Three-story and basement frame and plaster apartment house (16 4-room apartments).
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg.

Contract Awarded.
APARTMENTS Cost, $40,000
SAN FRANCISCO. E Hyde 87 S Clay.
Three-story and basement frame (12) apartments.
Owner—Grace Perego, 159 Sutter.
Architect—None.
Contractor—Kincanon & Perego, 159 Sutter.

Contract Awarded.
APARTMENTS Cost, approximately $30,700.
SAN LEANDRO, Alameda Co., Cal.
Two-story and basement brick apartment house.
Owner—Proster Godchaux.
Architect—W. H. Weeks, 369 Pine, San Francisco.
Contractor—Larsen-Siegrist Co., Claus Sperckels Bldg., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $17,842
SAN RAFAEL, Marin Co., Cal.
Altering two-story frame building into 7 apartments of 2 and 3 rooms each.
Owner—Withheld.
Architect—Welsh & Carey, Merchants National Bank Bldg., San Francisco
Carpentry, etc. to Fred Miller, 225 Dolores, at $12,612.
Plumbing to Frederick Snook, 596 Clay, San Francisco, at $2580.
Plastering to C. Weber, at $2400.
Roofing to Robert F. Smith, 433 Clementina, San Francisco, at $250.

Plans Being Figured.
APARTMENTS Cost, $50,000
SAN FRANCISCO. N Bush St. near Taylor Street.
Five-story Class C reinforced concrete apartment house (20, 2 and 3-room apts.)
Owner—Mrs. Bertha Vasye.
Architect—B. G. McDougall, 381 Bush St., San Francisco.
Figures are being taken for a general contract.

Plans Completed.
APARTMENTS Cost, $14,200
SAN FRANCISCO. S Haight 55 W Pierce.
Three-story and basement frame (6) apartments.
Owner—M. I. Asmussen, 723 Haight, San Francisco.
Architect—B. Christiansen, 233 Lick Bldg., San Francisco.

Contract Awarded.
APARTMENT Cost, $12,500
BERKELEY. Lot 2 Blk. C Map Elmwood Park.
Two-story (15 rooms) frame apartment house.
Owner—Cora A. Henkle, 4385 Howe, Oakland.
Architect—None.
Contractor—G. A. Scott, 685 23rd, Oakland.

PORTLAND, Ore.—W. A. Carpenter, 506 McKay Bldg., has prepared plans and will erect by day labor a two-story brick apartment house, 70x95, on Weidler street, between 7th and 8th streets. Estimated cost, $35,000.

BANKS

Contract Awarded.
BANK & STORE Cost, $50,000
LOS ANGELES, Cal. SW Washington St. and Vermont Ave.
One-story brick bank and store bldg. 130x153 (12 stores).
Owner—California Bank.
Architect—Walker & Eisen, 325 Pacific Finance Building, Los Angeles.
Contractor—Robert E. Millsap, 423 Marsh-Strong Building, L. A.

Plans Being Prepared.
BANK Cost, $100,000
CHICO, Butte Co., Cal.
One-story class C reinforced concrete bank building.
Owner—First National Bank.
Architect—Chester Cole, Chico.

BONDS

SACRAMENTO, Cal. — Anglo and London Paris National Bank have purchased $7,000,000 worth of state highway 5% bonds paying a premium of $639,000.

SACRAMENTO, Cal.—The City votes $900,000 to complete the municipal filtration plant and $200,000 for improving city wharves.

RENO, Nevada—Bonds of $200,000 to finance construction of a new Junior High School were voted at a recent election. It is planned to have the new structure under construction this spring.

SUSANVILLE, Lassen Co., Cal.—Jan. 14, is date set in Susanville Grammar School District to decide the question of issuing bonds of $50,000 to finance construction of a new school building.

EUREKA, Humboldt Co., Cal.—Until Jan. 10, bids will be received by supervisors for purchase of $10,000 bond issue of Rio Dell School District; proceeds of sale to finance construction of school improvements.

SAN JOSE, Santa Clara Co., Cal.—Election held to vote bonds of $500,000 to finance construction of a memorial auditorium failed to carry.

SAN JOSE, Santa Clara Co., Cal.—Bonds of $13,000 voted in Hester School District to finance the purchase of additional ground on which it is proposed to erect additions to the present school.

ARBUCKLE, Colusa Co., Cal.—Election will be held January 3 in Arbuckle Union Grammar School District to vote bonds of $75,000 to finance construction of a new school building. Plans are being prepared by Architect Jens C. Petersen, People's Savings Bank Bldg., Sacramento, for a one-story hollow tile and stucco structure.

SAFFORD, Ariz.—An election will be held in February in Graham County, to vote on issuing bonds to build a highway from Solomonsville west through Gila Valley, 24 miles. Federal aid to amount of $300,000 will be sought for this road.

TUSCON, Ariz.—A bond issue of $250,000 to complete the Tuscon-Ajo highway will be submitted to voters of Pima County.

HUNTINGTON PARK, Cal.—The $75,000 bond issue for completion of the city water system carried at a special election.

CHURCHES

Plans Being Prepared.
CHURCH Cost, $——
OAKLAND CAL. Fruitvale Boulevard.
One-story brick or hollow tile church.
Owner—Third Church of Christ Scientist.
Architect—H. H. Gutterson, 278 Post, San Francisco.
Days work.

SANTA MONICA, Cal.—Architect C. F. Skilling, Bradbury Building, Los Angeles, reports that bids for new First Presbyterian Church Building at Santa Monica have been opened. The bids are in excess of funds available and the specifications will be revised somewhat. The cost will be in excess of $100,000. The work will probably be done on a percentage basis and by sub-contract.

FACTORIES & WAREHOUSES

Plans Being Figured.
WAREHOUSE Cost, $——
LOS ANGELES. Santa Monica Blvd., near Cahuenga Ave.
Six-story and basement reinforced concrete storage warehouse 60x100.
Owner—Premier Fireproof Storage Co.
Engineer—Edw. T. Flaherty, 435 I. W. Hellman Building., Los Angeles.

Plans Being Prepared.
ICE PLANT Cost, $——
NAPA, Napa Co., Cal.
One-story reinforced concrete ice plant.
Owner—Union Ice Co., 354 Pine St., San Farncisco.
Architect—W. T. Toepke, 942 Market St., San Francisco.

Plans Being Prepared.
WAREHOUSE Cost, $500,000
LOS ANGELES, Cal. 5th and San Pedro.
Five-story reinforced concrete warehouse with steel sash.
Owner — Westinghouse Electric and Manufacturing Co.
Architect—Noerenberg & Johnson, Los Angeles Railway Bldg., L. A.

Contract Awarded.
WAREHOUSE Cost, $90,000
OAKLAND, Cal. Washington, from First to Second.
Two-story reinforced concrete warehouse.
Owner—Pacific Gas & Electric Co.
Architect—Wm. Knowles, Call Bldg., San Francisco, and Central Bank Bldg., Oakland.
Contractor—Cahill & Vensano, 110 Sutter, San Francisco.

Steel Contract Awarded.
CONCRETE BLDG. Cost, $75,000
OAKLAND, Alameda Co., Cal. N 11th St., between Alice and Harrison.
Two-story reinforced concrete building (wholesale plumbing supplies).
Owner—The M. Stulsaft Co., 647 Mission, San Francisco.
Architect & Contractor—H. P. Hoyt, Monadnock Bldg., San Francisco.
Structural steel awarded to Schrader Iron Works, 1247 Harrison, San Francisco.

MOUNTAIN VIEW, Santa Clara Co., Cal.—The Mountain View Berry Growers' Association, announces it will construct a $40,000 pre-cooling plant.

FIREHOUSES AND JAILS

GRASS VALLEY, Nevada Co., Cal.—City Trustees vote to purchase site, erect and equip a new city jail.

SANTA ANA, Orange Co., Cal.—Until 11 A. M., Jan. 24, new bids will be received by the board of supervisors of Orange County, for erecting new county jail building at Santa Ana; John Parkinson and Donald B. Parkinson, 420 Tile Insurance Bldg., Los Angeles, architects. Bids will be taken separately on general contract, plumbing, heating and ventilating, elevators, and steel cells and fronts. Bids will be taken on three propositions, providing for omitting portions of the building and leaving the upper floors unfinished at present; the estimated cost being $130,000, $160,000 and $175,000 respectively. Four stories and basement, 100x125 ft., reinforced conc. construction throughout, marble and tile work, steel sash, etc.

FLATS

Contract Awarded.
FLATS Cost, $21,500
SAN FRANCISCO. W 14th Ave. 125 S Cabrillo St.
Two 2-story and basement frame buildings (2 flats each).
Owner—Chas. Schmitt, 825 Cabrillo.
Architect—Paul F. DeMartini, 946 Broadway.
Contractor—Harry Moren, 778 10th Ave

Contract Awarded.
FLATS Cost, $18,000
SAN FRANCISCO. SW Geary and Twenty-first Avenue.
Three-story and basement frame (4) flats and store.
Owner—Geo. Becker, 623 22nd Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor — Meyer Bros., 5326 Geary St., San Francisco.

GARAGES

Contract Awarded.
COM. GARAGE Cost, $39,400
SAN FRANCISCO. W Jones 75 N O'Farrell.
One-story and basement reinforced concrete commercial garage.
Owner—R. W. Kern.
Architects—O'Brien Bros., 240 Montgomery, San Francisco.
Contractor—John Morton, Balboa Bldg.

GOVERNMENT WORK AND SUPPLIES

Contract Awarded.
STOREHOUSE Cost, $196,774
PEARL HARBOR, H. T.
One-story storehouse (Spec. 4504).
Owner—U. S. Government.
Architect—Owner.
Contractor—W. F. Martens, 53 Franklin St., Rochester, N. Y.
NOTE—Limit 263 days.

BERKELEY, Alameda Co., Cal.—Custodian of U. S. Postoffice, awards contract to John A. Lowlander, 855 Jersey Ave., Elizabeth, N. J., at $124.75 for furnishing and installing one routing case and table in postoffice.

WASHINGTON, D. C.—Construction of a magazine building at Scofield Barracks, H. T., has been authorized. Bids will be asked by the Constructing Quartermaster at Scofield Barracks.

BENICIA, Solano Co., Cal.—Until Jan. 7, 11:45 A. M., bids will be received by Commanding Officer, Benicia Arsenal, under Proposal No. 36, for furnishing and delivering certain materials for Leffel steam boiler wrought iron or steel, galvanized pipe in 20 ft. lenghts, various sizes and fittings 50 ft. glazed t. c. sewer pipe; pipe dies; bristle brushes, etc.

WASHINGTON, D. C.—Until Jan. 11, 10:30 A. M., under Circular No. 1464 bids will be received by the Panama Canal Commission for furnishing and delivering f. o. b. Balboa (Pacific Port) watthour meters, single-phase, 25-cycle, house type and 2,500 meter sealing wires 2 rotating standards. Further particulars regarding this circular may be had from Assistant Purchasing Agent at Fort Mason, Calif.

WASHINGTON, D. C.—Bids are being received by Bureau of Supplies and Accounts, Navy Department, for the following materials; date for opening bids as noted at the end of each paragraph:

Schedule 9131, f. o. b. works, 6 Diesel engines, opening date changed from Dec. 20 to Jan. 24.

Schedule 9236, Cavite, P. I., 100,000 pounds galvanized corrugated sheet steel. Jan. 17.

Schedule 9241, various yards, spar varnish. Jan. 10.

Schedule 9247, Mare Island, 550,000 pounds white zinc in oil. Jan. 17.

Schedule 9252, f. o. b. works, 200 antenna break relays and 50 booth protecting relays. Jan. 10.

Schedule 9249, Mare Island, 1,000 pounds commercial sheet brass, 1,500 pounds phosphor bronze, 1,525 pounds sheet copper and 6,000 pounds sheathing copper. Jan. 17.

Schedule 9250, Puget Sound, miscellaneous wall tile. Jan. 17.

Schedule 9253, Mare Island, 6,000 sq. ft. wire cloth. Jan. 17.

Schedule 9258, Mare Island, 24,000 standard bolts. Jan. 17.

Schedule 9259, Mare Island, 15,000 yards each of bleached muslin and bleached cotton sheeting. Jan. 17.

Schedule 9262, Mare Island, 1 power unit. Jan. 17.

Schedule 9263, Puget Sound, 1 telephone switchboard. Jan. 17.

HALLS AND SOCIETY BUILDINGS

Contracts Awarded.
MAUSOLEUM Cost, $9570
SAN MATEO CO., Cal. Cypress Lawn Cemetery. Lot 3 Triangle "H" Section "A".
Mausoleum.
Owner—The Felton Co
Architect—Bakewell & Brown, 251 Kearny St., San Francisco.
Contractor — McGilvray Raymond Grantie Co., 634 Townsend St., San Francisco.
Plumbing awarded to Jas. H. Pinkerton Co., 180 Jessie St., San Francisco, $280.
Ornamental Bronze, etc., to Artistic Metal Works, 1322 Howard St., San Francisco, $1,162.50.

Sub-Figures Being Taken.
CHAMBER OF COMMERCE BLDG. Cost, $60,000.
STOCKTON, San Joaquin Co., Cal. N Weber Ave. bet. Sutter and San Joaquin Sts.

[illegible] reinforced concrete and brick Chamber of Commerce building with stores on the first floor.
Owner—Dr. A. E. Hodgkins.
Lessee — Stockton Chamber of Commerce.
Architects & Contractors — [illegible] Heller-Pearce Co., Delta Bldg., Stockton.
The following contracts have been awarded:
Excavating to J. [illegible] Stockton.
Structural Steel to Pacific Gate Iron Works of San Francisco.
Brick Work to E. Williams of Lodi.
Lumber to Simpson-Gray Lumber Co.

LODI, San Joaquin Co., Cal.—Masonic Lodges of Lodi, Stockton and Woodbridge are planning campaign to raise $100,000 to finance construction of a masonic temple on School St., between Pine and Elm Streets.

DINUBA, Tulare Co., Cal.—Until Jan. 13, 8 P. M., bids will be received by Dinuba Fraternal Hall Association, for erecting a 2-story reinforced concrete lodge hall. **See call for bids under official proposal column in this issue.**

HOSPITALS

EUREKA, Humboldt Co., Cal.—Jan. 10, 2 P. M. is date set by County Supervisors, Fred M. Kay, clerk, to open bids for installing laundry and heating plant in Tubercular Hospital; previously reported in these columns. **See call for bids under official proposal column in this issue.**

HOTELS

Plans Being Prepared.
HOTEL. Cost $300,000
RIVIERA, Santa Barbara Co., Cal.
Three-story reinforced concrete and hollow tile hotel, 200 rooms, 100 bathrooms.
Owner—Encanto Hotel Co.
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.

Preliminary Plans Being Prepared.
HOTEL Cost, $250,000
SAN BERNARDINO, Cal. SE Third St. and Arrowhead Ave.
Three-story fireproof hotel (125 guest rooms).
Owner—Ralph E. Swing & Associates (promoted by the Chamber of Commerce).
Architect—Carleton M. Winslow, 1134 Van Nuys Bldg., Los Angeles.

Working Drawings Being Prepared.
HOTEL Cost, $125,000
CHICO, Butte Co., Cal.
Three-story and basement hollow tile, steel and concrete hotel.
Owner—Withheld.
Contractor—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.

PUBLIC BUILDINGS

Commissioned to Prepare Plans.
LIBRARY Cost, $80,000
HOLLYWOOD, Los Angeles Co., Cal.
Branch library.
Owner—Hollywood Library Board.
Architect — Dodd & Richards, 905 Brack-Shops Building, Los Angeles

SAN FRANCISCO—The San Francisco Board of Public Works has awarded a contract to J. H. Mohr at $1275 for painting the municipal car barn at Ocean Street and Presidio avenue.

OAKLAND, Cal.—Until Dec. 29, 11 A. M., bids will be received by Eugene K. Sturgis, city clerk, for furnishing and installing counters and making alterations on 6th floor of city hall. Plans may be had from city clerk on deposit of $5.

BERKELEY, Alameda Co., Cal.—Until Jan. 3, 10 A. M., bids will be received by E. M. Hamn, city clerk, for constructing field house in James Kennedy Playground. Plans may be had from clerk.

OAKLAND, Cal.—The following bids were received on December 29th, by Eugene K. Sturgis, city clerk of Oakland, for furnishing and installing counters and making alterations on 6th floor of city hall:

Schnebly-Hostrawser Co.	$629
R. E. Sheridan	699
Barnes & Place	875

LOS ANGELES, Cal. — Architects Bertram Goodhue, New York York, and Carleton Monroe Winslow, 1134 Van Nuys Building, Los Angeles, associated, have been selected by the Board of Library Directors to design the new central library building for Los Angeles City. Bonds in the sum of $2,500,000 have been voted for library purposes and about $1,500,000 will be available for the central building. It will be located on the Normal Hill site which is owned by the city. According to the bids submitted several weeks ago, the architects are to receive a commission of 7½ per cent.

RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, $50,000
HAYWARD. 40-acre tract in Poplar Tract, Eden Township.
One and two-story reinforced concrete and terra cotta residence (about 15 rooms).
Owner—Maud M. Gibson.
Architect—Kenneth MacDonald, 234 Pine St., San Francisco.
A contract for the terra cotta work and reinforced concrete foundation has been awarded to R. J. H. Forbes, Monadnock Building, San Francisco, at $13,670. Mr. MacDonald is not ready to take figures.

Contract Awarded.
RESIDENCE Cost, $10,000
CLAREMONT.
Two-story frame and plaster residence.
Owner—Mrs. E. L. Palache, 20 Brookside, Berkeley.
Architect—H. H. Gutterson, 278 Post, San Francisco.
Contractor—C. R. Madison, 2621 Haste St., Berkeley.

Plans Being Figured.
RESIDENCE Cost, $6,000
SAN FRANCISCO. Crocker Amazon Tract.
One-story frame and plaster residence (5 rooms).
Owner—Withheld.
Architect—E. J. Hildebrand, Foxcroft Building, San Francisco.
Days work.

Plans Being Figured.
RESIDENCE Cost, $50,000
LOS ANGELES. Rossmore Ave., near 1st St.
Hollow tile Italian style residence (18 rooms, 4 sleeping porches and 6 bathrooms).
Owner—Withheld.
Architect—Elmer Grey, 507 Wright & Calender Bldg., Los Angeles.
Low Bidder.
RESIDENCE Cost ——
ALAMEDA. San Jose Ave.
Two-story and basement frame and plaster residence (5 rooms).
Owner—Theo. A. Eisfeldt.
Architect—W. O. Lewis, care of B. G. McDougall, Alto Bldg., 381 Bush, San Francisco.
Low Bidder—E. T. Leiter & Son, Call Bldg., San Francisco.

Bids Under Advisement.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Tanglewood Road and Belrose Ave, Claremont Court.
Two-story frame and plaster residence
Owner—R. D. Holabird, 2950 Magnolia Ave., Berkeley.
Architect—B. G. McDougall, 381 Bush, San Francisco.

Plans Being Figured.
RESIDENCE Cost, $30,000
SAN FRANCISCO. Sea Cliff.
Two-story frame and stucco residence (10 rooms and a garage).
Owner—Mrs. L. Martin.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.

Contract Awarded.
HOUSE & GARAGE Cost, $12,645
SARATOGA, Santa Clara Co. Cal.
One-story frame house and garage.
Owner—Susan Helen Guile, Saratoga.
Architect—Warren Skillings, Garden City Bank Bldg., San Jose.
Contractors— Lindholm & Nelson, Mt. View, Cal.

Contract Awarded.
RESIDENCE Cost, $11,000
SAN FRANCISCO. W Franklin 72-6 N Vallejo.
Two-story and basement frame residence.
Owner—Mrs. Maria Tarantino, 534 Green.
Architect—None.
Contractor—Geo. H. Lydiksen, 1329 Vermont.

SCHOOLS

Completing Plans.
SCHOOL Cost, $12,000
THOMTON, San Joaquin Co., Cal.
One-story frame and brick school house.
Owner—New Hope School District.
Architect—Wright & Satterlee, Bank of Italy Bldg., Stockton.
Bonds have been sold.

Contracts Awarded.
SCHOOL Cost, $——
SAN FRANCISCO. Adams School Site on Ellis St. between Polk and Van Ness Avenue.
Two-story reinforced concrete school (6 rooms).
Owner—City and County of San Francisco.
Architect—Morris M. Bruce, Flood Bldg., San Francisco.
General Contract to E. E. Etherton, Monadnock Bldg., San Francisco, $46,782.
Plumbing to A. Lettich, 185 Stevenson St., San Francisco, $5,565.
Heating and Ventilating to Scott Co., 243 Minna St., $2520.
Electric Work to Butte Electric Co., 530 Folsom St., San Francisco, $1387

Bonds Voted—Plans Being Prepared.
SCHOOL Cost, $160,000
MANTECA, San Joaquin Co., Cal.
One-story reinforced concrete and brick school, 14 classrooms and a gymnasium building.
Owner — Manteca Union High School District.

Architects — Davis-Heller-Pearce Co., Delta Bldg., Stockton.

Bonds of $200,000 were voted. For the school, $160,000; for gymnasium, $35,000.

Contracts Awarded.
SCHOOL Cost, $125,000
NAPA, Napa Co., Cal. Lincoln School Site.
Two-story reinforced concrete school.
Owner—Napa School District.
Architect—W. H. Weeks, 369 Pine, San Francisco.
General Contract awarded to Mahony Bros., Flood Bldg., San Francisco, at $130,510.
Heating on Lincoln and John Shearer Schools, to Robert Dalziel, Jr., at $13,774.

Completing Plans.
SCHOOL Cost, $110,000
LONG BEACH, Los Angeles Co., Cal. Junipero near E-4th.
Two-story brick grammar school bldg. 12 classrooms and auditorium).
Owner—Long Beach School District.
Architect—Allison & Allison, Hibernian Bldg., Los Angeles, and H. Alfred Anderson, Palace Theatre Bldg., Long Beach.

Completing Plans.
SCHOOL Cost, $200,000
LONG BEACH, Los Angeles Co., Cal. Euclid and Grand Ave., between 7th and 8th Sts.
Two-story and basement brick Junior high school bldg. (16 classrooms, library, domestic science dept, etc.)
Owner—Long Beach School District.
Architect—Allison & Allison, Hibernian Bldg., Los Angeles, and H. Alfred Anderson, Palace Theatre Bldg., Long Beach.

Figures To Be Taken Shortly.
SCHOOL Cost, $100,000
WHITTIER, Los Angeles Co., Cal.
Two-story reinforced concrete school building.
Owner—Whittier Junior High School District.
Architect—John C. Austin, Baker-Detwiler Bldg., Los Angeles and W. Horace Austin, Long Beach, associated.

Commissioned To Prepare Plans.
SCHOOL BLDGS. Cost, $400,000
WHITTIER, Los Angeles Co., Cal.
Fireproof school buildings.
Owner—Whittier Union High School District.
Architect — Myron Hunt, Hibernian Bldg., Los Angeles.
A bond election will be called shortly.

Plans Being Prepared.
SCHOOL BUILDINGS Cost, $275,000
FLAGSTAFF, Arizona.
Fireproof high school buildings.
Owner—Flagstaff High School District.
Architect — Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles.

Plans Being Prepared.
SCHOOL Cost, $45,000
SAN BERNARDINO, Cal.
Brick parish hall and school building (7 rooms and auditorium).
Owner—Roman Catholic Bishop.
Architect—Albert C. Martin, 430 Higgins Building, Los Angeles.

Commissioned to Prepare Plans.
SCHOOL Cost, $480,000
BURLINGAME, San Mateo Co., Cal.
Fireproof high school buildings.
Owner—San Mateo Union High School District.
Architect—W. H. Weeks, 369 Pine St., San Francisco.

It is proposed to build the school under segregated contracts, there being no general contract except the carpenter work.

Completing Plans.
SCHOOL Cost, $245,000
LOS ANGELES, Cal. McKinley Avenue School.
Two-story and basement brick and reinforced concrete school, 223x141.
Owner—Los Angeles Bd. of Education.
Architects—Train & Williams, Western Mutual Life Bldg., Los Angeles.

Figures To Be Taken Shortly.
SCHOOL Cost, $125,000
STOCKTON. Northwest School
Two-story brick and concrete school (14 classrooms, auditorium and kindergarten).
Owner—City of Stockton.
Architects — Jos. Losekann and W. Clowdsley, Elks Bldg., Stockton.
Supervising architects — Davis-Heller & Pearce Co., Delta Bldg., Stockton.

Figures To Be Taken Shortly.
ADDITION Cost, $40,000
STOCKTON. El Dorado School.
One-story brick and concrete addition to school (4 rooms).
Owner—City of Stockton.
Architect—Frank V. Mayo.
Supervising Architects — Davis-Heller & Pearce Co., Delta Bldg., Stockton.

Figures To Be Taken Shortly.
SCHOOL Cost, $125,000
STOCKTON. Southeast School.
Two-story concrete, brick and frame school (16 rooms, auditorium and kindergarten).
Owner—City of Stockton.
Architect—Franklin E. Warner, Belding Bldg., Stockton.
Supervising architects — Davis-Heller & Pearce Co., Delta Bldg., Stockton.

LOS ANGELES, Cal.—Until 9 A. M., Jan. 4, bids will be received by the Los Angeles Board of Education for the following city school work:

For erecting school bungalows at San Fernando Special school, San Fernando; at Central Parental school, 451 N. Hill St.; at Vernon Ave. Parental school, 3317 Compton Ave., and at Roscoe school, San Fernando Road at Strathern St., separate bids on general work and painting.

For erecting a school bungalow at Vinedale school, San Fernando Valley; separate bids on general work and painting.

For erecting two bungalows at Ivanhoe school site, Herkimer St. near Rowena Ave.; separate bids on general work and painting.

For constructing exterior steel stairs at Boyle Heights Junior High School.

Plans and specifications may be obtained at office of the Secretary, 730 Security Bldg., Los Angeles.

LOS ANGELES, Cal.—Until 9 A. M., Jan. 11, bids will be received by the Los Angeles Board of Education for erecting new school buildings as follows:

For new school at 95th St. school site, 1106 W. 95th St.; 13-units; brick construction; $104,000; Hudson & Munsell, architects.

For new school building at Main St. school site, 52nd and Main Sts.; 10-rooms, brick construction full brick and art stone exterior, composition roof; $95,000. Lester T. Squires, architect.

Plans and specifications may be obtained at the office of the Secretary, 730 Security Bldg., Los Angeles.

CHICO, Butte Co., Cal.—Until Jan. 6, 5 P. M. bids will be received by Chas. H. Camper, clerk, Chico High School District, for the construction of a sewer, a timber bridge, and drains for the new Chico High School, located on Sacramento Avenue and the Esplanade. Plans may be had from clerk or from Architects Wollett and Lamb, Hagelstein Bldg., Sacramento, on deposit of $10, returnable.

SACRAMENTO, Cal.—Until [illegible] P. M., bids will be received by Chas. C. [illegible], Secretary of the Board of Education, for furnishing and delivering 200 or more movable school chair desks. **See call for bids under official proposal column in this issue.**

BERKELEY, Cal.—Bids will be received [illegible] o'clock A. M., by the Comptroller of the University of California [illegible] Hall on the Berkeley campus of the University of California. [illegible] for further particulars see [illegible] Daily Oriental [illegible]

LANCASTER, Cal.—Wopschall Bros., [illegible] S. Raymond Ave., Pasadena, have [illegible] contract at $[illegible] for all work complete for two new buildings, connecting arcades, alteration to present building, and new boiler room at Antelope Valley union high school at Lancaster. John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, architects. Bids for this work were received several months ago but award has been held in abeyance until legality of bond issue was established by supreme court decision. Construction work will be started next week. The buildings will be two-story reinforced concrete contsruction, plaster exterior, composition roofs, steam heat, etc.

SEATTLE, Wash.—Seattle School Board, Rueben W. Jones, secretary, Central Building, will shortly call bids for proposed 3-story, 12-classroom, steel, concrete and brick addition to the Ravenna grade school; estimated cost, $160.00. F. A. Naramore, city school architect.

TRANQUILLITY, Fresno Co., Cal.—Until January 3, 7:30 P. M., bids will be received by R. C. Brown, Clerk, Tranquillity Union High School District, for furnishing one 7,500-gal. fuel oil tank for underground [illegible] asbestos covering of Plenium heating and ventilating ducts under floors for entire building. Specifications [illegible] had from the clerk.

LOS ANGELES, Cal.—J. A. Hill Construction Co., 1749 W 23rd St., Los Angeles, was low bidder at $68,790 on general contract for new school bldg. at Grant school site, Wilton Pl. and Harold Way. Other low bidders were: Marshall-Lock Co. on steam heating at $4159; Prewitt Electric Co. on wiring at $2518; Arenz-Warren Co. on [illegible] Crowell on plumbing at $5148. Bids referred to business manager. Two-story 101x 64 ft; 9 rooms, brick construction, plaster exterior, clay tile roof. Jeffery & Schofield, architects. The bids were: **General Contract**— J. A. Hill Construction Co., $68,790; John Simpson & Co., [illegible]; Wallace-Black Co., [illegible]. **Heating**—Marshall-Lock Co., $4159; Geo. J. Furtsch, $4200; Arthur Hess, $4450; J. Hokom, $4475; Western Plumbers & Steam Fitters, $4493; Munger & Munger, $[illegible]. **Painting**—Arenz-Warren Co., $2990; Alahambra Wall Paper & Paint Co., $3238; E. A. Lindgreen, $3750; [illegible]. **Electrical Work**—Prewitt Electric Co., $2518; F. E. Newberry Co., $[illegible]. **Plumbing**—E. W. Crowell Co., $5148; G. C. Sutton, $5296; [illegible] Murray, $[illegible]; J. Hokom, $5646.

FULLERTON, Cal.—Edwards, Wildey & Dixon, 515 Black Bldg., Los Angeles, were low bidders at $184,500 on general contract for new buildings at Fullerton high school; Carleton M. Winslow, 1134 Van Nuys Bldg., Los Angeles, architect. Other low bidders were: S. Hill & Son, Santa Ana, on plumbing at $12,588; Hoagland-Lakin Electric and Engineering Co., on heating at $7,962; and Reid-Farley Electric Co., Fullerton, on electrical work at $10,851.93. Bids taken under advisement. Two new wings, each one-story and high basement, 109 x 51 ft., reinforced concrete and hollow tile construction, plaster exterior, composition roof on concrete slab, cast stone trim, tile and maple floors, etc. Work will include connecting arcades and a one-story reinforced addition, 20 x 13 ft. to garage.

LOS ANGELES, Cal.—Macdonald & Driver, Douglas Bldg., Los Angeles, were low bidders at $55,910 on general contract for new brick school building at Rosemont Ave. school site: Geo. M. Lindsey, architect. Other low bidders were: Prewitt Elec. Co. on wiring at $2924; Alhambra Wall Paper & Paint Co. on Painting at $2870; E. W. Crowell Co. on plumbing at $5635, and Marshall-Lock Co. on steam heating at $3509. The bids, which were referred to the business manager, were as follows:

General Contract — Macdonald & Driver, $55,910; Walter Slater Co., $58,-000; J. A. Hill Constr. Co., $58,679; John Simpson & Co., $61,900; J. D. Kneen Contracting Co., $62,674.

Wiring—Prewitt Elec. Co., $2924; F. E. Newbery Co., $3050.

Painting—Alhambra Wall Paper & Paint Co., $2870; Apex Painting Co., $2928; Arenz-Warren Co., $3226; E. A. Lindgren, $3300.

Plumbing—E. W. Crowell Co., $5635; W. S. Goodrich, $6613; Marshall-Lock Co., $7466.

Steam Heating—Marshall-Lock Co., $3509; J. Hokom, $3863; Munger & Munger, $4134. Potter Radiator Corp. bid $1944 on gas heating.

OAKLAND, Cal.—The Board of Education of the City of Oakland received the following bids on December 27th for the construction of an Administration Building, for the Prescott Annex School, situated south of Campbell Street and north of Fifteenth Street.

All bids were referred to the City Attorney.

N. W. Place, 310 Fairmont, Okd.	$7878
Schnebly & Hostrawser	7963
F. W. Maurice	8000
A. J. McPhee	8110
Walter Murch	8600

BERKELEY, Cal. — The Berkeley Board of Education received the following bids on December 27th and awarded a contract to Frank Ausez, 2022 Burbeck, Richmond, for excavating, grading and concrete work at the Jefferson School situated on the corner of Sacramento street and Rose street. Plans were prepared by Architect Wm. Hays, First National Bank Bldg., San Francisco:

Frank Ausez, Richmond	$4900
Jepsen Bros.	5200
Barrett & Hilp	5883

LOS ANGELES, Cal.—Macdonald & Driver, Douglas Building, Los Angeles, were only bidders at $29,300 on general contract for an addition to Eagle Rock school. J. Hokom was low on steam heating at $1959, and Arenz-Warren Co. was low on painting at $1277. The bids, which were referred to business manager, were as follows: **Heating**—J. Hokom, $1959; Munger & Munger, $2282; Marshall-Lock Co., $2329; Arthur Hess, $2779. **Painting**—Arenz-Warren Co., $1277; D. Zelinsky, $1706; A. Quandt & Son, $1785; Alhambra Wall Paper & Paint Co., $1935; R. Zelinsky, $1965; Apex Painting Co., $2154.

LOS ANGELES, Cal.—T. Bennett, 7955 Hollywood Blvd., Los Angeles, was low bidder at $14,185 for erecting an addition and remodeling Miramonte school building. Marshall-Lock Co. low bidder on steam heating at $1214, and Arenz-Warren Co., was low on painting at $622. The bids, which were referred to the business manager, were as follows:

General Work—T. Bennett, $14,185; MacDonald & Driver, $14,400; Escherich Bros., $14,940; John B. Dawson, $16,360. **Painting**—Arenz-Warren Co., $622; Alhambra Wall Paper & Paint Co., $949; R. Zelinsky, $979. **Steam Heating** — Marshall-Lock Co., $1214; Munger & Munger, $1295; J. Hokom, $1302; Arthur Hess, $1739.

PETALUMA, Sonoma Co., Cal.—The following bids were received on December 27th by the Board of Education of the Petaluma City High School District for the construction of a two-story and basement Class C twenty-room school and for a one-story and basement frame, steel and stucco gymnasium building.

Plans were prepared by Architect Brainerd Jones of Petaluma. The contract was awarded to Ward & Jones, 180 Jessie street, San Francisco. Bids were taken on two propositions (1) for school and gymnasium and (2) for the addition of a brick wall around the gymnasium.

	No. 1	No. 2
Ward & Jones, S. F.	$178,890	$180,275
Matthies & Gale, S. F.	180,318	183,168
C. L. Wold, S. F.	181,000	182,200
G. P. W. Jensen, S. F.	181,800	183,800
Elmer Carlson	182,990	184,480
P. F. Reilly, S. F.	184,500	185,800
R. W. Moller, S. F.	185,398	187,498
R. McLeran & Co., S. F.	185,400	187,100
Hayes-Oser Co., S. F.	189,347	190,629
J. S. Sampson, S. F.	194,500	196,400
T. B. Goodwin, S. F.	194,673	.....
Collman&Speidel, S. F.	196,271	197,971
H. S. Williams, S. F.	197,336	198,150
I. M. Sommer&Co.,S. F.	197,462	199,387
M. C. Vaughn, Oakland	206,000	207,400
H P. Vogensen	206,615	207,975
Stockholm & Sons	218,990	219,990
Hannah Bros, S. F.	219,000	225,000
J. L. McLaughlin, S. F	221,000	226,500

The above bids are for the general contract which includes all work on both buildings, except the heating and ventilating plants and the program clocks, bells and fire alarm systems for which bids will be received until January 10, 1922, at 8 o'clock P. M.

STORES AND OFFICES

Plans Being Figured.
STORE BLDG. Cost, ——
LOS ANGELES, Cal. NW Spring and Court Sts.
Two-story and basement class A store and loft building, 100x120.
Owner—Fred Hartstrite.
Architect—A. S. Nibecker, Jr., 421 Washington Building, Los Angeles
Separate figures are being taken for the general work, plumbing, electrical work and sprinkling system.

Plans to be Prepared.
OFFICE BLDG. Cost, $15,000
REDWOOD CITY, San Mateo Co., Cal. Webster Street.
Two-story reinforced concrete office building.
Owner—George H. Rice Abstract Co., 302 Broadway, Redwood City.
Architect—Not Selected.

Contracts Awarded.
ADDITION Cost, $300,000
SAN FRANCISCO. NE Mission and New Montgomery Streets.
Three-story class A building to present two-story building, also a one-story super-structure on roof.
Owner—Schwenberg, Metzer & Aronson, Merchants' Exchange Bldg., San Francisco.
Lessee—Associated Oil Company.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Engineer—C. H. Snyder, 251 Kearny St., San Francisco.
Marble base awarded to Joseph Mustro Sons-Keenan Co., 535 North Point Street.
Travertine terrazzo floors to P. Grassi, 135 Tehama Street.
Exterior Glass to W. P. Fuller Co., Beale and Mission.
Plastering to F. O'Reilly, 180 Jessie St.

Contract Awarded.
OFFICE BLDG. Cost, $500,000
LOS ANGELES, Cal. Twenty-sixth and Figueroa Streets.
Three-story Class "A" office building, 267x207.
Owner—Automobile Club of California.
Architects—Hunt & Burns, 701 Laughlin Bldg., Los Angeles.
Contractor—C. J. Kubach Co., Merchant's National Bank Bldg., Los Angeles.

Plans Being Figured.
STORE BLDG. Cost, $40,000
BERKELEY, Alameda Co., Cal. Bancroft and Shattuck Aves.
One-story and basement reinforced concrete and brick veneer store building (6 stores).
Owner—Boardman Estate.
Architect — Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Figures to be Called For Next Week.
BUILDING Cost, $350,000
OAKLAND, Alameda Co., Cal. Cor. Seventeenth and Clay Sts.
Eight-story Class A office building, 50 by 100.
Owner—Pacific Gas & Electric Co.
Architect—C. W. Dickey, 357 12th St., Oakland.

Contract Awarded.
OFFICE BLDG. Cost, $35,733
SAN FRANCISCO. S Sutter 177-6 E Montgomery.
Two-story concrete office building.
Owner—John C. Brickell, Lick Bldg.
Architect—J. R. Miller, Lick Bldg.
Contractor—Monson Bros., 251 Kearny.

Plans Being Prepared.
OFFICE BLDG. Cost $——
SAN FRANCISCO. NE Post and Powell
Nine-story and basement class A office bldg (198 offices).
Owner—Wm. Fitzhugh, Mills Bldg.
Architect—Reid Bros., 105 Montgomery.
Construction will be started by the first of April.

Plans Revised—Ready for Sub-figures In a Few Days.
STORE BLDG. Cost, $30,000
SAN FRANCISCO. NW Annie and Mission.
One-story and basement brick store bldg.
Owner—A. H. Knoll.
Architect—A. H. Knoll, Hearst Bldg.

Plans Being Prepared.
STORE BLDG. Cost, $29,000
SAN FRANCISCO. SW Bush and Stockton Streets.
Two-story and mezzanine floor concrete store building.
Owner—Julius Goldstein.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.

Contract Awarded.
CLASS A BLDG. Cost, $550,000
LOS ANGELES, Cal. Olive St. near Eighth St.
Ten-story and basement Class A building, 100x146.
Owner—Jas. H. Adams.
Lessee—Southern California Telephone Co.
Architect—Richard D. King, Van Nuys Bldg., Los Angeles.
Contractor—Weymouth Crowell, 902 S. Alvarado St., Los Angeles.

Contract Awarded.
STORE BLDG. Cost, $18,000
OAKLAND. SE San Pablo Ave. and 25th St.
One-story class C stores, garage and shop building.
Owner—I. Rabinowitz.
Architect—J. Cather Newsom, Syndicate Bldg., Oakland.
Contractor—M. F. Sommarstrom, 3145 Champion, Oakland.

Contract to be Awarded.
STORE AND OFFICE BLDG Cost, $——
VALLEJO, Solano Co., Cal. Georgia St. bet. Sacramento and Main Sts.
Six-story Class B steel frame store and office building.
Owner—Fred Fisch and A. J. Higgins.
Architect—Chas. E. Perry Jr., 514 Main St., Vallejo.
Revised bids from the two lowest bidders were opened on December 28th and the contract will be awarded to George Barenchi, 921 Kentucky St., Vallejo. Bids were as follows:
George Barenchi $83,595
Clinton Constr. Co..... 91,083

PHOENIX, Ariz.—Dr. W. C. Ellis is having plans prepared for a 5-story and basement class A store and office building at SW corner of 2nd Ave. and Monroe St. for himself. Building will be 100x98 ft.; 7 stores, 84 suites of offices, reinforced concrete construction, terra cotta and pressed brick facing, plate glass, marble and tile lobbies, elevators, steam heat, compressed air, etc; cost, $300,000.

PERMANENT CONSTRUCTION

(Editorial in Portland Telegram, Portland, Oregon.)

Thinking men are coming to know that if America is going to profit by the development of its immense nautral resources, if it is going to have anything left after the orgy of development is over, it must put more of its wealth into permanent construction—buildings that will not have to be torn down twenty years hence, dams that will never break, sewers that will last like the catacombs, railway lines that will not have to be straightened and grades that will not have to be leveled, highways that will not have to be relocated, bridges that will carry posterity, and paving that is laid to stay.

We cannot go on much longer as we have gone on these three hundred years of wooden houses, wooden bridges and mud roads, flattering ourselves that when these things decay we shall have bigger wealth for better building. While we thus deceive ourselves we are spending wealth on repairs that perish with their using, and wasting a fortune that might have been put, in large part, into permanent construction.

There is an economy in some forms of cheap construction. Lack of present funds, and the probability of change with growth, compels some temporary building. But the days of permanent things is at hand. Concrete has come to be a major building material, and concrete, properly made, is practically indestructible. There is every reason to believe that if humanity so desires, the reinforced concrete factories, office buildings, shops and stores now erected in this city will be serving their purpose here 500 years hence as well as they do today. The Pantheon, built in Rome 1800 years ago, is built in part of concrete which is probably as strong or stronger than it was the year it was built.

Many Roman roads made of stone slabs 2000 years ago are good highways today. Concrete roads are for all practical purposes stone slabs, wider, longer and thicker and more wear-resisting than those used in the Roman roads.

Iron horseshoes and iron tires wore ruts in the Roman stone roads. Modern concrete roads have to resist rubber, not steel. Rubber will always be in good supply. We shall never return to iron tires. Under rubber wheels, concrete highway paving, well built and well laid, should last for centuries with almost no cost for upkeep.

OPENING FOR BUILDING EQUIPMENT IN BUENOS AIRES

(Commercial Attache Edward F. Feely, Buenos Aires, Sept. 21, 1921.)

Work has been commenced on the excavation for the new building for the Buenos Aires branch of a large American bank. The institution is supervising the construction work itself in connection with a firm of American engineers and contractors, and it is estimated that the construction work will require about two years.

The interior trim and equipment of the building will afford an excellent opportunity for American manufacturers to supply the builders with hardware and other appurtenances, and especially in the introduction of American ideas of construction, having in mind that it will be one of the finest buildings in South America, and as such an excellent advertisement for the successful bidders on equipment contracts.

Another project which should offer an exceptional opportunity to American manufacturers will be the new postoffice building which has been in course of erection for several years past. The Director of the Post Office Department intends to leave some time early next year for the United States, and while there intends to make purchases of modern labor-saving machines and appliances for the equipment of the new post office. He is especially interested in conveying systems and in other details of layout and construction.

(The names and addresses of the bank's engineer and the construction company undertaking that work, as well as that of the Director of the Post Office Department, may be obtained by referring to file No. 48939.)

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Official Proposals

NOTICE TO BIDDERS

Fire Apparatus

The Board of Trustees of the Town of Redwood City will receive sealed proposals or bids **up to the hour of 7:30 o'clock P. M. of Tuesday, January 3rd, 1922**, for the purchase of one (1) Triple Combination motor propelled pumping fire engine of not less than 750 gallons per minute capacity, fully equipped with hose wagon and chemical engine, to be delivered f. o. b. Redwood City.

Bidders will submit detailed specifications of apparatus with each bid, and also state the approximate date for delivery.

All bids must be accompanied by a certified check or bidder's bond equal in amount to ten (10) per cent of the amount of bid, as a guarantee of delivery. Checks of unsuccessful bidders to be returned upon rejection of their bids. Check of successful bidder to be returned upon receipt and acceptance of apparatus.

For the information of bidders the Town of Redwood City will pay for said piece of fire apparatus not less than fifty (50%) per cent of the cost upon receipt and acceptance of same and not less than twenty-five (25%) per cent of the balance thereof each year until the whole purchase price is paid with a privilege of paying the entire balance at any time.

The Board of Trustees of the Town of Redwood City reserves the right to reject any or all bids.

By order of the Board of Trustees of the Town of Redwood City,

Dated: December 19th, 1921.

W. A. PRICE,
Clerk of the Board of Trustees of the Town of Redwood City.

BIDS WANTED FOR BRIDGE

NOTICE TO CONTRACTORS

SEALED PROPOSALS for constructing the Klamath River Bridge, on the Klamath River National Forest Road Project, located within the Klamath National Forest, State of California, County of Siskiyou, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 881 Mills Building, San Francisco, until 2.00 o'clock P. M., on the 24th day of January, 1922, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The location of the bridge is approximately 23 miles south of Happy Camp, and 98 miles from Hornbrook, California. The bridge consists of a 310-foot steel span with plank floor. Abutments are of concrete.

The principal items of work are 245 tons of structural steel, 102 cu. yds. class A concrete, and 39 M. B. M. of lumber.

The work embraced in this contract shall be completed by September 15, 1922.

The contract form and the maps, plans, specifications, and the estimates of quantities may be examined by responsible contractors at the following addresses:

881 Mills Building, San Francisco, and Forest Supervisor, Yreka, California

All proposals must be made on forms, and in accordance with instructions forming a part of the specifications above referred to, and must be accompanied by a proposal guarantee in an amount at least equal to five (5) per cent of the total amount of the proposal.

C. H. SWEETSER,
District Engineer.

NOTICE THAT KNIGHTSEN IRRIGATION DISTRICT WILL RECEIVE BIDS

Notice is hereby given that plans and specifications for the construction of a complete irrigation system in Knightsen Irrigation District in the County of Contra Costa, State of California, are now at the office of the Board of Directors of said District at Knightsen, California, and can be seen at said office.

Notice is further given that the said Board will receive sealed proposals for all machine-made pipe and structures incidental thereto, and separate sealed proposals for all reinforced concrete pipe and structures incidental thereto required in the construction of such system in said District, and that the contracts will be let to the lowest responsible bidders.

Notice is further given that no proposal shall be accepted which is not accompanied by a certified check for two percentage of the amount of the bid, the amount of which check shall be forfeited if after the acceptance of the proposal the bidder shall refuse within ten days after notice to execute a contract and furnish a bond as required by and satisfactory to said District. All checks will be returned to unsuccessful bidders at once and to the successful bidders after the execution of the contracts and approval of the bonds.

Notice is further given that said proposals will be opened at the office of the said Board of Knightsen, California, on **Tuesday, the 10th Day of January, 1922, at 1:30 o'clock P. M.**

Bids must be made in strict accordance with the instructions embodied in said specifications and upon forms furnished for that purpose by said District.

Dated: December 15, 1921.

C. H. NOYES,
Secretary of Knightsen Irrigation District and of the Board of Directors thereof.

BIDS FOR SCHOOL DESKS

Notice is hereby given that the Board of Education of the Sacramento City School District will receive sealed bids for two hundred (200) or more movable school chair desks. Samples of desks must be furnished the Secretary of the Board of Education, at the school store room, I street between 10th and 11th.

A certified check in the sum of ten per cent (10%) of the amount of the bid must accompany each bid, which will be forfeited to the Board of Education, should the bidder fail to comply with his bid, if required to do so.

Allowance for used desks of the ordinary type will be considered by the Board in accepting bids.

All bids must be filed with the Secretary of the Board of Education, Room 300 City Hall, Sacramento, **not later than 5 o'clock P. M., Tuesday, January 3, 1922.**

Bidders will state when delivery can be made.

The Board of Education reserves the right to reject any and all bids.

CHAS. C. HUGHES,
Secretary.

BIDS WANTED FOR GOVERNMENT BUILDING

Bureau of Yards and Docks, Navy Department, Washington.—Bids are wanted until January 18, specification 1632, for constructing dispensary at the Marine Corps base, San Diego, Calif. Deposit for plans $30.

BIDS WANTED FOR MOVING BUILDING

PROPOSAL FOR BIDS

SEALED BIDS will be received at the office of the Comptroller, University of California, Berkeley, California, **at or before 9 A. M. Wednesday, January 11, 1922**, for the moving of East Hall on the grounds of the University of California at Berkeley.

Plans and specifications may be obtained at the office of John Galen Howard, Architect, 500 First National Bank Building, San Francisco, on deposit of $10.00 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications in good condition. No bids will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA.

BIDS WANTED FOR LAUNDRY AND HEATING PLANT

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that sealed bids will be received by the Board of Supervisors of Humboldt County, State of California, at the office of the clerk of said Board, at the Court House in the City of Eureka, said County and State, until Tuesday, January 10th, 1922 at two o'clock P. M., for the installing of a Laundry and Heating Plant in the New Tubercular Hospital of Humboldt County.

Plans and specifications for this work are on file in the office of said Clerk to which all bidders are hereby referred.

Each bid must be accompanied by cash or certified check in at least five per cent of the amount of the bid, as a guarantee of good faith and the Board reserves the right to reject any or all bids.

FRED M. KAY,
Clerk of the Board of Supervisors of Humboldt County, California.

BIDS WANTED FOR HIGHWAY IMPROVEMENT

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **The California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 23, 1922**, at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State Highway as follows:

Santa Barbara County, between Cuyama River and Buckhorn Creek (V-SB-57-A), about six and one-tenth (6.1) miles in length to be graded.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineer's offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated December 27, 1921.

LODGE BUILDING BIDS WANTED

Bids will be received for the erection of a 2-story reinforced concrete building for the Dinuba Fraternal Hall Association, by the building committee, on and up to 8 o'clock on the 13th day of January, 1922, at the old lodge hall at corner of K and Tulare streets, Dinuba.

Plans and specifications for same can be had at the office of the architect, 143 North L street, Dinuba, upon the deposit of $50.00, which will be returned when plans and specifications are returned in good shape.

By order of
BUILDING COMMITTEE.

BIDS WANTED FOR SUB-STRUCTURE FOR TERMINAL

NOTICE TO CONTRACTORS

BOARD OF STATE HARBOR COMMISSIONERS, Union Depot and Ferry House, San Francisco, California, December 19, 1921.

Sealed proposals or bids will be received at this office at or prior to 11 o'clock A. M., on Thursday, January 12, 1922, for furnishing material and constructing the sub-structure for the China Basin Terminal, on the waterfront of the City and County of San Francisco.

The materials to be used in this work shall consist of the requisite quantities of creosoted piles, steel rails and fittings and Portland cement (all of which will be furnished to the Contractor by the Board), sand fill, rock fill, eucalyptus piles, green piles, Douglas fir lumber, fine concrete aggregate, coarse concrete aggregate, reinforcing materials, castings, structural steel, rods, bolts, spikes, car springs, ties, asphalt, etc. Creosoted piles and Portland cement will be furnished to the Contractor by the Board, steel rails and fittings, including rail spikes, will be furnished and laid by the Board. Green piles shall be furnished by the Contractor, unless the Board elects to furnish them as provided for in the specifications and bids. All other materials shown on the plans or called for in the specifications shall be furnished by the Contractor. All materials used must be of the best of their respective kinds if not especially specified herein. All materials used in the structures will be subjected to a rigid examination and test, and if found defective under size, unsuitable or not [illegible] specified, will be condemned and must be immediately removed from the work by the Contractor at his expense. Materials may be rejected at any time for defects which may be discovered, or which may develop in the course of the work, notwithstanding any previous test or inspection, and removed by the Contractor as indicated above.

No bid will be received unless it is made on a blank form furnished from this office and accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal, to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give a bond required within [illegible] days after award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The Contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the amount payable by the terms of the contract, with a Corporation, thereunto duly authorized by law and commonly known as a surety company, as surety (such surety company to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the Office of the Secretary), and conditioned for the faithful performance by the Contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the Contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done or for any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefits of material men, mechanics and laborers as provided by that certain act of the Legislature of the State of California, approved May 1, 1911 (Stats. 1911, p. 1222). Said bond must be acceptable to and approved by said Board both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the Office of the Secretary, Room No. 17, Union Depot and Ferry House, at or prior to 11 o'clock A. M., on **Thursday,** January 12, 1922 at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing $20.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid:

"Bid for furnishing materials and constructing Sub-structure of China Basin Terminal."

JOHN H. McCALLUM,
HARRY H. COSGRIFF,
FREDERICK S. MOODY,
Board of State Harbor Commissioners.
FRANK S. WHITE,
Chief Engineer.
HILDA TOBIMAN,
Secretary.

BIDS WANTED FOR STATE HIGHWAY IMPROVEMENTS

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on January 16, 1922,** which time they will be publicly opened and read for construction in accord[illegible] which special reference is made, portions of State Highway as follows:

Riverside County, between Whitewater and Edom (VII-Riv-26-D), about seventeen and six-tenths (17.6) miles in length, to be paved with either Portland cement concrete or asphalt concrete.

Riverside County, between Edom and Indio (VII-Riv-26-E), about eleven [illegible] to be paved with either Portland ce[illegible]

[illegible]

The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be [illegible] unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full direc[illegible] to be done, etc.

[illegible] interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

BIDS WANTED FOR WORK ON DAIRY BUILDING

PROPOSAL FOR BIDS

Sealed bids will be received at the office of the Comptroller, University of California, Berkeley, California, **at or before 9 A. M., Tuesday, January 3, 1922,** for Carpentry and Millwork, Lathing, Furring and Plastering, and Roofing for the Dairy Building on the grounds of the University Farm School at Davis, California.

Plans and specifications may be obtained at the office of Wm. C. Hays, 1326 First National Bank Building, San Francisco, on deposit of $50.00 for each set of plans and specifications taken out, which deposit will be refunded on return of said plans and specifications in good condition and accompanied by a regular bid for the work. No bids will be considered unless accompanied by a certified check or bond in favor of the undersigned, equal to 10% of the bid to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA.

NOTICE TO PUMP AND MOTOR MANUFACTURERS

The Board of Directors of the Terra Bella Irrigation District will receive sealed bids or proposals **up to the hour of 11 o'clock A. M. on January 3, 1922,** for the furnishing of the following described pump and motor.

One horizontal centrifugal pump, capacity 5,000 gallons per minute against a head of 125 feet, to be direct connected to the following described motor.

One electric motor, 200 horse power, 2200 volts, 3 phase, 60 cycles, 1200 revolutions per minute, at no load.

All of the above to be in accordance with the specifications therefore and on file in the office of the Terra Bella Irrigation District.

Each bid must be accompanied with a certified check in the sum of at least 5 per cent of the total amout of the bid and made payable without recourse to the President of the Board of [illegible] Irrigation District as evidence of good faith that the bidder will enter into a con[illegible] and that he will furnish the pump and motor, or pump or motor as specified in his bid.

All bids must be on blanks fur[illegible]

The Board of Directors reserves the right to reject any or all bids, to waive [illegible] part of any bid.

EARLE R. CLEMENS, Secretary.

BIDS WANTED FOR LINOLEUM

NOTICE TO CONTRACTORS

[illegible] Alameda County, Calif.

[illegible] until Monday, January 9th, 1922, at 10 o'clock

A. M. (the day when said bids will be opened and the contract awarded) for the purchase of Linoleum for use at the Alameda County Hospital, near San Leandro, Alameda County, California.

Specifications on file in the office of the County Purchasing Agent open to inspection.

Each bid must be accompanied by a check for at least ten per cent of the amount of the bid or proposal, certified to by some responsible bank, and made payable to Geo. E. Gross, Clerk of the Board, to be forfeited to the County of Alameda as agreed and liquidated damages should the party or parties to whom the contract shall be awarded fail to enter into the contract after the award or to give the bond required by the Board for the faithful performance of the Contract.

(SEAL) GEO. E. GROSS,
Clerk of the Board of Supervisors of the County of Alameda.
Dated December 12, 1921.

BIDS WANTED FOR ELECTRICAL WORK

NOTICE FOR BIDS

NOTICE IS HEREBY GIVEN that sealed bids will be received and opened by the Board of Trustees of the Elk Grove Union High School District of Sacramento County, California, **until eight o'clock P. M. of Friday, January 6th, 1922,** for furnishing and installing electric light fixtures, including electric lamps, etc., in the new High School building being erected in the City of Elk Grove; all in accordance with the plans and specifications as prepared by W. H. Weeks, Architect.

Plans and specifications may be seen at the office of the Architect, W. H. Weeks, 369 Pine Street, San Francisco.

All bids should be presented on blank forms furnished by the Architect.

Each bid must be accompanied by a certified check on some responsible California bank, in the sum of not less than Ten Per Cent (10%) of the amount bid; made payable to H. L. Ehrhardt, President of the Board of Trustees of the Elk Grove Union High School District, as good faith that the party to whom the contract will be awarded will, within Ten (10) Days enter into the necessary agreement and bonds for the faithful performance of said work, and in case the successful bidder to whom the contract is awarded fails or refuses to enter into said agreement and bonds, said check will be forfeited and retained by the said school district as liquidated damage.

The Board of Trustees reserves the right to reject any or all bids.

H. L. EHRHARDT, Pres.
S. R. GAGE, Clerk.

BIDS WANTED FOR TESTING LABORATORY BUILDING

STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 9th, 1922,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made.

A testing laboratory building in the City of Sacramento, California.

Plans may be seen and forms of proposal, bonds, contracts and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Public Works, acting by and through the California Highway Commission, reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
State Highway Engineer.
JOHN F. GALVIN,
Secretary.

Dated December 12, 1921.

BIDS WANTED FOR STEAM HEATING SYSTEM

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of the Petaluma City High School District will receive sealed bids for the installation of a steam heating system, ventilation and fuel oil equipment for Petaluma Junior High School and Gymnasium Buildings to be erected on the lands recently purchased for that purpose, according to the plans and specifications prepared by Brainerd Jones, architect, and Albert A. Coddington, Consulting Engineer, and a copy of which can be procured at the said office of the said architect in the City of Petaluma, upon depositing with the said architect the sum of $15.00 (fifteen dollars), which said sum will be returned upon the return of the said plans and specifications within **two weeks.**

Each bid shall be accompanied by a certified check equal to ten per cent of the amount bid, to be forfeited if such bid is accepted and such a bidder shall fail to enter into a contract for the construction of said system, within 10 days after acceptance of such bid.

Said sealed bids will be received **up to eight o'clock P. M., of the 10th day of January, 1922,** at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California, in the City Hall in the City of Petaluma.

The said Petaluma City High School District (as owners) reserve the right to reject any or all bids.

All bids must be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

By order of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

P.J. BLIM, Secretary.

NOTICE TO CONTRACTORS

KLAMATH RIVER ROAD—TEE BAR SECTION

(15 miles above Somes Bar, Cal.)

SEALED PROPOSALS for constructing the above-named section of the National Forest Road Project located within the Klamath National Forest, County of Siskiyou, State of California, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 881 Mills Building, San Francisco, California, until 2 o'clock P. M., on the 24th day of January, 1922, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The length of the project to be constructed is approximately 3.4 miles and the principal items of work are approximately as follows:

Clearing .....145 sta.
Excavation, unclassified.40,000 cu. yds.
Log cribbing .....2,640 sq. ft.
Timber bridging .....335 lin. ft.
Corrugated metal pipe culverts .....1,622 lin. ft.

The work embraced in this contract shall be started within ten days after notice of signing of contract by the Secretary of Agriculture has been given the contractor by the District Engineer, and shall be completed within 75 weather-working days after said notice has been given.

The contract form and the maps, plans, specifications, and estimate of quantities may be examined by responsible contractors at the following addresses:

881 Mills Building, San Francisco, California. After Dec. 25, 1921, Guy McMurtry, Somes Bar, California. After Jan. 1, 1922, J. E. Jensen, Happy Camp, California.

The Bureau of Public Roads will, if desired, furnish the successful bidder for use in constructing this road, 2-ton trucks, fresnoes, an air compressor, and other available equipment at the prices an on the terms set forth in the Special Provisions of the Specifications.

All proposals must be made on forms furnished by the **District Engineer,** Bureau of Public Roads, and in accordance with the instructions forming a part of the Specifications above referred to.

C. H. SWEETSER,
District Engineer.

December 20, 1921.

BIDS WANTED FOR PROGRAM CLOCK SYSTEM

NOTICE TO BIDDERS

Notice is hereby given that the Board of Education of the Petaluma City High School District will receive sealed bids for the installation of a complete Program Clock and Bell System for Petaluma Junior High School and Gymnasium Buildings according to the plans and specifications prepared by Brainerd Jones, architect, a copy of which can be procured at the said office of the said architect in the City of Petaluma. Each bid shall be accompanied by a certified check equal to ten per cent of the amount bid, to be forfeited if such bid is accepted and such bidder shall fail to enter into a contract for the construction of said system within 10 days after acceptance of such bid.

Said sealed bids will be received **up to eight o'clock P. M. of the 10th day of January, 1922,** at which time said bids will be opened at a meeting of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California, in the City Hall in the City of Petaluma.

The said Board of Education of Petaluma City High School District reserves the right to reject any or all bids.

All bids to be addressed to P. J. Blim, Secretary of the Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California. By order of the said Board of Education of Petaluma City High School District, Petaluma, Sonoma County, California.

P. J. BLIM,
Secretary.

E. D. BULLARD, HANDLING KLAXON PRODUCTS IN CALIFORNIA

The Klaxon Company of Newark, N. J., makers of standard automobile horns, has entered into the field of industrial signaling, manufacturing various types of high voltage horns and single stroke bells. In conjunction with the above the firm has placed on the market the Klaxocator, an apparatus used for code calling. The telephone operator simply places the dial to the code number desired and the machine sounds that call through the Klaxon horns and bells. The Klaxon Company has also placed on the market the Klaxon Relay used in connection with either horns or bells or any electrical apparatus where it is desired to operate the same over a low voltage line.

The California representative of the Klaxon Company is E. D. Bullard, 268 Market street, San Francisco, and 130 So. Broadway, Los Angeles.

The first steamboat in the United States piled the Hudson in 1807.

Engineering News Section

BRIDGES, DAMS & HARBOR WORK

PHOENIX, Ariz.—Lynn S. Atkinson, Jr., Chapman Building, Los Angeles (headquarters, Red Bluff, Cal.), has been awarded contract at $372,294 (plus 5% for engineering, total $390,908) for constructing an Eastwood multiple arch dam for flood control on Cave Creek, Ariz. Consummation of the contract is subject to approval of technical features of the design and to elimination of certain mining claims on the site of the project, the members of the board having agreed to assume contingent damages if title to the site is not cleared, and have instructed the contractor to proceed with organization of his forces during the ten days delay required to clear title. The cost of the project will be born by the City of Phoenix, county, state, Salt River Valley Water Users' Association, and Paradise-Verde Irrigation District.

FULLERTON, Cal.—Paul H. Ehlers, 1959 N. Raymond Ave., Pasadena, was awarded contract at $49,350 for constructing reinforced concrete lined reservoir for city water system.

FRESNO, Fresno Co., Cal.—Parlier & Lowry, Tulare, at $19,990 awarded contract by supervisors for constructing four reinforced concrete bridges in Fowler-Laton road, involving 569 cu. yds. concrete; 47,850 lbs. reinforcing steel and 6,020 lin ft. piling for footings. Other bidders were: B. B. Boyd, San Diego, $29,799; Pacific Construction Co., Modesto, $24,440; Fredericksen & Shannon, Fresno, $26,683; W. M. Ledbetter, Los Angeles, $25,900. Engineer's estimate, $24,600.

E. C. Smallin and I. A. Thompson, Clovis, Cal., at $4,420 awarded contract for constructing 3 reinforced concrete bridges on Fowler-Laton road involving 170 cu. yds. concrete and 12,180 lbs. reinforcing steel. Other bidders were: B. B. Boyd, East San Diego, $6,780; Pacific Construction Co., Modesto, $4,900; Fredericksen & Shannon, Fresno, $5,500; W. M. Ledbetter, Los Angeles, $6,490; Parlier & Lowry, Tulare, $4,768; C. E. McDaniel, Fresno, $5,097; S. L. Enloe, Fresno, $4,683; Fisher & McNulty, Fresno, $5,130; Nate Lovelace, Visalia, $4,986; Frank Bryant San Francisco, $4,816; C. C. Glidersleeve, Fresno, $4,760; Edgar Noble, Visalia, $4,420. Estimate of County Surveyor Chris. P. Jensen, $4,900.

OAKLAND, Cal.—Frank Bryant, 286 W. San Carlos St., San Jose, at $5,981 has been awarded a contract by the Supervisors for constructing reinforced concrete girder bridge over Upper Crandal slough on County Road No. 520. Other bidders: C. A. Bruce & Sons, Pleasanton, $7210; W. B. Esterly, 244 Alvarado Road, Berkeley, $7,170; A. J. Sartoris, 3124 Grove St., Oakland, $7,043; J. G. Leibert, Altamont, $9,272; Davidson & Nicolsen, San Francisco, $6950; C. H. & A. W. Gorrill, 149 California St., San Francisco, $8,514; Guy Hyde Chick, Napa, $6,870. Geo. Posey, County Surveyor.

OAKLAND, Cal.—Recommendations made to Congress by Army engineers for an appropriation of $1,371,540 for improving Oakland harbor.

RIVERSIDE, Cal.—County Surveyor A. C. Fulmor will be instructed by the Supervisors to prepare plans and specifications for West Riverside bridge so that work may be started about April 1, 1922. The bridge will be reinforced concrete. $85,000 is available.

BLYTHE, Cal.—P. B. Engh, 341 Pacific Bldg., Los Angeles, submitted lowest bid for constructing two sections of levee on California side of Colorado river, for Palo Verde joint levee district, involving about 350,000 cu. yds. earth work at 24c yd. Robt. Steevenson of Blythe, submitted low bid for two sections on Arizona side of river, involving about 200,000 cu. yds. at 22½c yd. W. T. Ellington bid 35c yd. for work on California side of river. Leroy Little of Calexico, bid on all work about 40c yd. and Cox & Baulker of Calexico also bid about 40c yd. C. K. Clarke, Chief Engineer.

CALIFORNIA—Until Jan. 24, 2 P. M., bids will be received by C. H. Sweetser, District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, 881 Mills Building, San Francisco, for constructing Klamath River bridge on the Klamath River National Forest Road Project, about 23 miles south of Happy Camp, and 98 miles from Hornbrook, Cal. Will be 310-ft. steel span with plank floor with concrete abutments. Involves 245 tons structural steel; 102 cu. yds. class A concrete and 39 M. B. M. of lumber. Plans on file in office of engineer and may be had from Forest Supervisor, Yreka, Cal. **See call for bids under official proposal column in this issue.**

IRRIGATION PROJECTS

TURLOCK, Stanislaus Co., Cal.—The following bids were received on December 23rd, by Anna Sorensen, secretary of the Turlock Irrigation District, at Turlock, for furnishing and delivering fifty thousand (50,000) barrels to two hundred thousand (200,000) barrels of Portland cement f. o. b. cars factory.

Engineers and Contractors
PLEASE NOTE
We are California Factory Distributors for
KLAXON CO.
HORNS AND BELLS
for Code Signals, Alarms, Time Signals, etc.
ALEXANDER MILBURN CO.
Carbide Flare Lights and Oxy-Acetylene Welding and Cutting Apparatus
We are at your service
E. D. BULLARD
268 Market St., San Francisco
Phone Douglas 1118

Also for furnishing and delivering f. o. b. cars, San Francisco, steel reinforcing bars as follows:

20,000 lbs. 1¼ inch square, deformed steel reinforcing bars.

90,000 lbs. ¾ inch square, deformed steel reinforcing bars.

154,000 lbs. ½ inch square, deformed steel reinforcing bars.

All bids were taken under advisement until December 30th.

Cement — Santa Cruz Portland Cement Co., $4.21 f. o. b. Don Pedro Dam; Old Mission Portland Cement Co., $2.19 f. o. b. factory; Pacific Portland Cement Co., $4.31 f. o. b. Don Pedro Dam; Henry Cowell Lime & Cement Co., $4.31 f. o. b. Don Pedro Dam.

All bidders made an allowance of 5% for cash within ten days and 15c refund on each empty sack returned.

Steel

W. B. Kyle	$7524
Judson Mfg. Co.	7678
C. A. De Camp	7328
Pacific Coast Steel Co.	7878
Dergen Point Iron Works, Dayton New Jersey	6875
Columbia Steel Co.	7678
Dyer Bros.	7521
W. S. Wetenhall Co.	7678
Edw. L. Soule Co.	7678

KNIGHTSEN, Contra Costa Co., Cal.—Until Jan. 10, 1.30 P. M., bids will be received by C. H. Noyes, secretary Knightsen Irrigation District, for furnishing and laying approximately 20,000 ft. 12-in., 20,000 ft. 14-in. and 20,000 ft. 16-in. machine made concrete pipe.

Also the following quantities, the first item being an alternative for the second:

Item No. 1, 5,000 ft. 27-in. reinforced concrete pipe.

Or 2,500 ft. 28-in. 2,500 ft. 26-in., and 1,500 ft. 18-in. reinforced concrete pipe.

Estimated cost $90,000. W. F. Wooley, Chief Engineer for District. **See call for bids under official proposal column in this issue.**

As previously reported bids are wanted by the Knightsen Irrigation District in Contra Costa County for furnishing and laying a large quantity of concrete pipe. Plans and specifications for this work are on file in office of Larsen Construction Reports and may be seen by interested parties.

LIGHTING SYSTEMS

LOS ANGELES, Cal.—H. H. Walker, 1018 Hibernian Bldg., submitted lowest bid to the Board of Public Works at $18,297 for constructing an ornamental lighting system on Pacific Ave. between Third and 13th streets, San Pedro. Other bids were: Southern California Elec. Co., $19,250. C. W. Spark, $19,621.50.

BURLINGAME, San Mateo Co., Cal.—Until Jan. 16, 5 P. M., bids will be received by J. R. Murphy, city clerk, for installing ten iron electroliers in Main St., and San Mateo Drive from Burlingame to Bellevue Ave. Estimated cost, $1,250.

MACHINERY

ALAMEDA, Alameda Co., Cal.—City Council rejects bids received for constructing municipal garbage incinerator as being too high. It is expected that another call for bids will be issued on January 3rd to be opened February 7th. Specifications will be slightly revised. C. E. Hickok, city manager.

TAFT, Kern Co., Cal.—Gundlach Plumbing Co., Taft, at $2,723 awarded contract by trustees for furnishing & delivering valves and hydrants to city.

ARCADIA, Cal.—Lacy Mfg. Co. was low bidder at $5758.35 for furnishing and laying 2400 ft. of 12-in. riveted steel pipe. O. A. Gierlich, Monrovia, is City Engineer. Other bids were: Western Pipe & Steel Co., $6124.35; L. A. Mfg. Co., $6144.60, and Baker Iron Works, $6154.25. Redwood Mfrs. Co. submitted a bid of $5604. Bids taken under advisement until January 4.

GLENDALE, Cal.—Until 7 P. M., Jan. 5, bids will be received by City Clerk A. J. Van Wie for one carload of 8-in. 40-ft. poles to conform to Western Red Cedar Association specifications.

BERKELEY, Alameda Co., Cal.—Pacific States Electric Co., at approx. $1,500 awarded contract by city council to extend police and fire alarm systems to the Northbrae and Thousand Oaks districts. C. L. Huggins, city engineer.

ALHAMBRA, Cal.—Until 5 P. M., Jan. 3, bids will be received by City Clerk for furnishing 7482 ft. of 4-in. and 2340 ft. 6-in. cast iron bell and spigot water pipe and fittings. Bids taken on 12-ft. or 5-meter lengths. Bids must be submitted on units of 100 ft. Certified check or bond for 25% of total bid required.

CALEXICO, Cal.—Until 8 P. M., Jan. 3, bids will be received by City Clerk Paul B. Steintorf, for the following: 4120 ft. 4-in. and 1360 ft. 6-in. Class B cast iron pipe and fittings; one 6-in. and 31 4-in. gate valves; 40 4-in. fire hydrants with 2½-in. outlets, 36-in. bury.

Plans Being Figured—Bids Close Jan. 17, 1922, 8 P. M.

INCINERATOR Cost, $——
ALAMEDA, Alameda Co., Cal.
Garbage incinerator.
Owner—City of Alameda
Architect—None.

RAILROADS

SEATTLE, Wash.—The Alaskan Engineering Commission, Bell Street Terminal, has extended the time for opening bids for furnishing and delivering passenger coaches from January 12 to February 1, 1922. The call for bids provided for the purchase of two coaches; bids are now desired for three coaches.

FIRE EQUIPMENT

EUREKA, Humboldt Co., Cal.—American La France Fire Engine Co., 151 New Montgomery St., at $13,250 awarded contract by council for furnishing and delivering one triple combination chemical and pumping engine.

REDWOOD CITY, San Mateo Co., Cal.—Until Jan. 3, 7:30 P. M., bids will be received by W. A. Price, City Clerk, for furnishing and delivering 1 triple combination motor propelled pumping fire engine. **See call for bids under official proposal column in this issue.**

ARCADIA, Cal.—Until 8 P. M., Jan. 4, bids will be received by City Clerk Ethel Grimes Farwell for 500 ft. 2½-in. double jacket fire hose and standard couplings f. o. b. Arcadia, samples to accompany each bid. Certified check for 5%.

VENICE, Cal.—Until 8.30 P. M., Jan. 16, bids will be received by city clerk T. H. Hanna for a motor propelled triple combination pumping and hose car. Specifications on file at office of fire chief at Lorelei Ave. fire station.

SEWERS, STREET WORK, ROADS & WATER SYSTEMS

LOS ANGELES, Cal.—Francis J. O'Donnell awarded contract at $12,799, for constructing sewer in 6th St. between Grand Ave. and Figueroa St.

SACRAMENTO, Cal.—Council M. J. Desmond, clerk, declares intention to improve: alley between Portola Way, 5th Ave., 27th St., and Franklin Blvd., construct 3 brick catchbasins connected to sewer with 6-in. vitrified pipe; reconstructing 1 concrete manhole, etc., paving with 5-in. hydraulic concrete. Improvement Act 1911. Protests Jan. 12.

Intention declared to improve alley between L and M, 8th and 9th Sts., constructing 1 concrete catchbasin connected to sewer with 6-in. vitrified pipe; reconstructing 2 concrete catchbasins, constructing concrete retaining wall, grading and paving with 5-in. hydraulic concrete. Improvement Act 1911. Protests Jan. 12. Albert Givan, city engineer.

LOS ANGELES, Cal.—Until 10 A. M., January 3, bids will be received by the Board of Public Works for excavating trench for temporary outfall sewer in exposition Blvd. from Arlington St. to Moynier Lane, about 3 mi. Contract does not include laying pipe or backfilling. A 44-in. riveted steel pipe will be laid, the city having arranged for purchase of pipe from Board of Public Service.

MILL VALLEY, Marin Co., Cal.—Town Trustees, Will Falley, clerk, declare intention to construct hydraulic conc. sidewalk, 5-ft. wide, in south side of Buena Vista ave., bet. Hill st., and Dell ave. Imp. Act 1911. Protests Jan. 10. J. C. Oglesby, town engineer.

FRESNO, Fresno Co., Cal.—California Construction Co., 58 2nd St., San Francisco, at $83,128.60 (Specification No. 3) awarded contract by supervisors for constructing 4.3 miles, 16-ft. wide, of Fowler-Laton road. Only other bidder, T. A. Hanrahan, San Francisco, $89,118. Engineers's estimate, $92,251.

California Construction Co., at $69,-5[illegible]8 (Specification No. [illegible]) [illegible] tract for 3.6 miles, 16-ft. wide, Sanger-Centerville road. T. A. Hanrahan, San Francisco, only other bidder at $77,848. Engineer's estimate, $76,769.

Englehart Paving and Construction Co., Eureka, Calif., at $40,255 awarded contract for constructing 4.1 miles of [illegible] road, 16-ft. wide. Estimate of County Surveyor Chris. P. Jensen, $39,085.

OXNARD, Cal.—City Engineer Bennett instructed by City Trustees to establish grades and do other preliminary work for paving the following streets: A, B. and D Sts. between Sixth and Eighth; E St. between Sixth and Ninth; Fifth St. from F St. west to high school; E. Sixth St. and Wooley road if property owners desire improvement.

SCAPPOOSE, Ore.—Until Feb. 6, 7 P. M., bids will be received by C. F. Cathcart, City Recorder, for laying a distributing system and connectings for the water system, from plans of Engineers Lewis and Clark, Chamber of Commerce Bldg., Portland. About 6 miles of wood stave pipe, 5-in. in dia., is included in the project.

LOS ANGELES, Cal.—Francis J. O'Donnell, 1316 Lyman Place, has been awarded contract at $12,799 for constructing cement pipe sewer in Sixth street, betwen Grand Ave. and Figueroa. Engineer's estimate, $10,-607.14.

EL CENTRO, Cal.—A resolution of Intention to pave portions of Orange Ave., Third St., Commercial Ave. and Fourth St. with Willite has been adopted by City Trustees. The work will also include construction of curb and gutter and replacing present 4-in. water main with 6-in. main and about 40 new service lines. Bond Act of 1915.

ANAHEIM, Cal.—Geo. R. Curtis, 2416 E. 26th St., Los Angeles, submitted lowest bid at 26c sq. ft. for paving East and West Chartres St. involving about 82,000 sq. ft. 5-in. concrete base, 1:2:4 mix. with 2-in. bit. surface. B. R. Ford bid 28¾c. Bids taken under advisement until January 5.

GLENDALE, Cal.—Cornwall & Henderson, 127 S. Glendale Ave., were awarded contract at $24,102.10 for grading and oil surfacing Chester, Concord, State, Milford, Doran and other streets.

ANAHEIM, Cal.—B. R. Ford, Santa Ana, submitted lowest bid at 25c sq. ft. for paving three alleys involving about 18,000 sq. ft. 6-in. concrete, 1:2:3½ mix. Geo. R. Curtis submitted only other bid at 26c. ft.

COLUSA, Colusa Co., Cal.—City Trustees contemplating an expenditure of $50,000 to install permanent sewage system.

FRESNO, Fresno Co., Cal.—Frederickson & Shannon, Cory Bldg., Fresno, awarded contract by council to improve Roosevelt Ave. between Belmont and Olive; grading, $.037 sq. ft.; 5-in. concrete pavement, $.208 sq. ft., concrete curb, $.623 lin. ft., cement concrete sidewalk, $.236 sq. ft.; 12-in. reinforced concrete culvert, $1.95 lin. ft.; 18-in. reinforced concrete culvert, $2.70 lin. ft.; manholes, $17.50 each.

Thompson Bros., 1514 H St., Fresno, awarded contract to improve Roosevelt Ave between Olive and Pine; grading, $.037 sq. ft.; 5-in. concrete pavement, 20c sq. ft.; concrete curbs, 60c lin. ft.; concrete sidewalks, 22c sq. ft.; 12-in. corrugated iron culverts, $7.50 lin. ft. manholes, $20 each. Wm. Stranahan, city engineer.

CALIFORNIA—Until Jan. 23, 2 P. M., bids will be received by State Highway Commission, Forum Bldg., Sacramento, for grading 6.1 miles in Santa Barbara county between Cuyama river and Buckhorn creek. **See call for bids under official proposal column in this issue.**

EUREKA, Humboldt Co., Cal.—Until Jan. 3, 8 P. M., bids will be received by A. Walter Kildale, city clerk, for furnishing and delivering approximately 1,000 yards of gravel. Harry H. Hannah, city engineer.

FRESNO, Fresno Co., Cal.—Until Jan. 5, 3.30 P. M., bids will be received by R. Y. St. George, city clerk, for improving Wilson Ave. between McKinley and Olive; grading, concrete curbs, gutters and sidewalks, corrugated culverts; 3½-in. asphaltic concrete base with 1½-in. Warrenite-Bitulithic surface.

Separate bids, same date, for constructing 6-in. vitrified pipe lateral sewer in Block 30, Kearney Boulevard Heights with wyes for each lot frontage and manholes. Wm. Stranahan, city engineer.

FRESNO, Fresno Co., Cal.—City Council, R. Y. St. George, clerk, declares intention to improve Ferger Ave between Belmont and Dennett; grading, concrete curbs and sidewalks, corrugated culverts, paving with 3½-in. asphalt base with 1½-in. Warrenite-Bitulithic surface.

Intention declared to improve Calaveras St. between H and Divisadero; grading, concrete curbs and gutters, corrugated culverts, 3½-in. asphalt concrete base with 1½-in. Warrenite-Bitulithic surface. Wm. Stranahan, city clerk.

SEAL BEACH, Cal.—H. E. Cox, 305 Slavin Bldg., Pasadena, awarded contract at about $19,500 for paving Main St. and portions of Ocean and Central Ave., involving about 59,900 sq. ft. 6-in. concrete pavement, 5200 lin. ft. curb and 3 corrugated iron culverts.

LONG BEACH, Cal.—Bids will be called for at once for paving with one course concrete Minervia Ct. between 10th St. and 615 ft. north; Regal Way between Pine and Locust Aves. and first alley east of Lime Ave. between Esther and State Sts. 1911 Act.

SAN LEANDRO, Alameda Co., Cal.—M. A. Lopes, 362 San Joaquin St., San Leandro, at $104 awarded contract to construct cement sidewalks in the Root Quadrangle from East 14th St. to Arroyo Ave.

WILLITS, Mendocino Co., Cal.—Town Trustees, A. M. Sacry, Clerk, declare intention to construct cement sidewalk in east side of Main street, bet. Mendocino and Wood streets. Improvement Act of 1911. Protests January 6.

MONTEREY, Monterey Co., Cal.—Until Jan. 3, 7 P. M., bids will be received by Archie Kay, city clerk, for improving Houston St., between Webster and Pearl by grading and paving with decomposed granite gravel, concrete curbs and gutters. Imp. Act 1911. H. D. Severance, city engineer.

MERCED, Merced Co., Cal.—Dec. 30, 7.30 P. M., bids will be received by J. W. Spagnoli, Clerk, Merced School District, for constructing 3½-in. cement sidewalks fronting the school property. Specifications may be had from the clerk.

OROVILLE, Butte Co., Cal.—County Surveyor Harry H. Hume has completed specifications for improving Cohasset road from Sandy Gulch highway bridge to a point one mile above the Richardson Springs road gate. Bids will be asked under the 1922 program for paving 2 miles of the Oroville road Sacramento Ave., bet. Nord Ave. and the Meridian road; 2 miles of Durham Lake from a point 4 miles out of Durham to the Oroville road; 3 miles of Keeton road, 4 miles of Larkin road near Gridley. Funds will be provided for paving 12 miles of Oroville-Bangor road; 12 miles of Oroville-Marysville road and 4 miles of Gridley Lane.

LOS ANGELES, Cal.—Warren Construction Co., 926 California Bldg., submitted only bid to board of public works, at about $43,000 for improving Centre St. between 7th and 18th Sts., involving 136,360 sq. ft. grading at 4c ft.; 116,910 sq. ft. Warrenite-Bitulithic pavement at 24c ft.; 19,450 sq. ft. concrete pavement at 24c ft.; 1132 ft. curb at 75c ft.; 4824 sq. ft. sidewalk at 23c ft.; 6158 sq. ft. gutter at 31c ft. and 640 ft. house connection sewers at $1.60 ft.

STOCKTON, San Joaquin Co., Cal.—Council rejects bid of Clark & Henery Construction Co., at $4,675.10 for constructing two concrete tennis courts at Oak Park. Work will be done by Department of Public Works. W. B. Hogan, city engineer.

LONG BEACH, Cal.—Resolutions of intention adopted by city trustees for paving with one course concrete, first alley east of Lime Ave. between Esther and State; first alley north of First St. between Loma and Virginit Aves.; first alley east of Locust between 15th and 16th Sts.; first alley west of American Ave. north of 15th and first alley north of 15th east of Locust Ave.; also cement curb and sidewalk on Dawson Ave. between Fourth and Seventh Sts.; 1911 Act.

SANTA ANA, Orange Co., Cal.—Graham Bros. & Bruce, 321 E. Fourth St., Long Beach, awarded the contract at $38,149.30 for grading and paving County Park road in Fourth Road District involving 6500 yds. of excavation, 234,000 sq. ft. 5-in. concrete paving; 83,420 lbs. reinforcing steel; 1400 cu. yds. gravel for subgrade; 25 yds. Class A concrete; 152 lin. ft. 18-in. corrugated iron pipe; 620 lin. ft. guard fence; 225 ft. concrete curb. B. R. Ford of Santa Ana, bid $38,185.55 and Wells & Bressler, Santa Ana, bid $48,510.10. J. L. McBride, County Road Commissioner.

OAKLAND, Cal.—Oakland Paving Co., 5000 Broadway, Oakland, at $34,141.18 awarded contract by council to improve Madison street, between 2nd and 12th streets, involving, 49,325 sq. ft. grading; 1701 lin. ft. concrete curb; 2116 sq. ft. concrete gutter; 47,209 sq. ft. of asphaltic concrete pavement; 238 lin. ft. of 8-in., 279 lin. ft. 12-in., 249 lin. ft. 14-in., 312 lin. ft. of 16-in. and 280 lin. ft. of 21-in. vitrified pipe sewer; 851 lin. ft. 30-in. concrete sewer; 154 lin. ft. of 10-in. vitrified pipe conduit; 2 brick manholes; 3 brick and concrete manholes; 6 brick catchbasins; 5 vitrified pipe drop connections on sewer; [illegible] pipe Y branches; [illegible] vitrified pipe slants; 1358 lin. ft. of existing sewer to be removed; [illegible] to be removed. Geo. Mattis, City Engineer.

OAKLAND, Cal.—Hard Bros., Ripon, at $19,818 awarded contract by Council to construct Skyline boulevard extension involving 54,385 cu. yds. excavation and 400 lin. ft. 10-in. vitrified pipe conduit. Geo. Mattis, City Engineer.

AVALON, Catalina Island—A bond issue for improvments to the municipal water system will be submitted soon. About $35,000 will be expended on new water mains. A. B. Waddingham, city engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—L. J. Byrne, Santa Cruz, at approximately $800, awarded contract by council to construct 565.2 ft. 6-in. vitrified sewer, 1 brick manhole and 16 wye branches in Toledo street. T. F. Costella, Santa Cruz, bid $811.60. James K. James, city engineer.

AVALON, Catalina Island—C. E. Garretson, 508 N. Comstock St., Whittier, was awarded the contract at about $105,000 for improving a number of streets in the central part of town. The contract includes 5-in. concrete paving on certain streets and oil macadam on other streets; cement curb, sidewalk and gutter. Vrooman Act. A. B. Waddingham, Avalon City Engineer.

OAKLAND, Cal.—The Oakland City Clerk received the following bids on December 29, for constructing sewer in Broadway between 2nd and 12th Sts., involving: 601 lin. ft. of 10", 279 lin. ft. of 12", 804 lin. ft. 14", 310 lin. ft. 16", and 851 lin. ft. 18" vitrified pipe sewer 110 lin. ft. 10" vitrified pipe conduit; 1 drop connection; 50 Wye branches; 4 manholes; 9 catchbasins; deepen 7 existing manholes; remove 2850 lin. ft. of existing sewer; remove 3 existing manholes, and remove 9 existing catchbasins:

Downer Merc. (1) $5.00, (2) $5.25, (3) $5.60, (4) $6.00, (5) $6.50, (6) $1.00; (7) $25.00, (8) [illegible], (9) [illegible], (10) $120, (11) $1.25, (12) 50c; (13) $15.00; (14) $15.00.

Thos. F. Geary (1) $5.00, (2) $6.00, (3) $6.50; (4) $7.50; (5) $9.50; (6) $3.00; (7) $2.[illegible], (8) $10, (9) $110, (10) $80, (11) $80, (12) [illegible], (13) $2[illegible], (14) $1[illegible].

Michael Murphy (1) $5.[illegible], (2) $6.7[illegible], (3) $6.00, (4) $6.00, (5) $7.00, (6) $1.[illegible], (7) $2[illegible], (8) $2.[illegible], (9) $12, (10) $100, (11) $[illegible], (12) [illegible], (13) $20; (14) $30.

W. J. Tobin (1) $[illegible], (2) $7.20, (3) $7.45; (4) $10.70; (5) $8.00; (6) $6.00, (7) $2[illegible], (8) $100, (9) $140, (10) $100, (11) $11[illegible], (12) $60, (13) $60, (14) $40.

For improving sewers, etc., in Montgomery street involving 8" pipe sewer, lampholes and Y branches.

Geo. C. De Clover (1) $[illegible], (2) $25, (3) $1.00.

Thos. F. Geary (1) $8.90; (2) $22; (3) $2.50.

Oakland Paving Co. (1) $1[illegible], (2) $15, (3) $1.00.

Geo. Mattis, City Engineer.

SAN DIEGO, Cal.—Resolutions of intention adopted by city council as follows: Herschel Ave. between Wall St. and Torrey Road to be graded; curb, sidewalk and gutter. Granada Ave. between Upas and Redwood and Redwood St. between Granada and 30th to be graded and paved with aphaltic concrete; curb, gutter and sidewalk. Grim Ave. between University and Redwood and Wightman St. between Grim and Herman Aves. to be graded and paved with asphaltic concrete; curb, gutter and sidewalk. 32nd St. between Grape and Elm to be graded; curb, gutter and sidewalk. Vrooman Act.

SACRAMENTO, Cal.—Until Jan. 23, 10 A. M., bids will be received by Harry W. Hall, county clerk, for constructing portion of Highway No. 14, on Sacramento river levee opposite Hollister residence; approximately 2,056 lin. ft. Drury Butler, county surveyor

Alameda County Exchange to Have Building Exhibit

The Directors of the Builder's Exchange of Alameda County have donated available space on the Mezzanine floor of the headquarters, during the months of January and February, for a Building-Material Exhibit, to be conducted in four periods, running from January 4th to 14th, January 18th to 28th, February 2nd to 12th, and February 16th to 26th, allowing four days time in between Exhibit periods for the removal of old exhibits and the installation of new exhibits.

Over forty members have already requested exhibit space, and arranged for elaborate displays during the different periods of exhibit. During the exhibit periods, the various exhibitors will be circularizing the owners, architects and builders whom they desire to view their display, and the Exchange will be open to such visitors during those times.

Messrs. A. S. Holmes, Sam D. North, and Chas. S. Hughes, are appointed as a special Exhibit Committee, who will supervise the installation and arrangement of the displays.

Many of the largest firms around the Bay are participating, and the Exchange is to be congratulated on this forward step.

Among the displays will be many novel specialties of all kinds, the latest inventions in building machinery —new methods of construction will be demonstrated, and it is expected that the exhibits will be entertaining and instructive.

IF YOU BUILD BADLY, IT IS YOUR FAULT

If any home builder erects a dwelling, be it a cottage or a palace, and discovers mistakes in material or equipment, it will be because of failure to visit the Oakland Building Marial and Manufacturers' Exchange. This institution is located in the Arcadian Building at 1424 Franklin street, and on its floors may be seen and inspected anything that goes into a dwelling, from its basement, with a heating furnace—to the proper materials to treat and preserve its roof.

The exhibits are installed by expert and responsible firms and include built-in kitchens, modern windows, fully equipped and handsomely decorated bathrooms, wall beds, decorative wood panelings, electric fixtures, laundry equipment, hardwood floors, heating systems—all under the direction of Benj. S. Ebersole and A. L. Day.

The exchange is not intended as a selling room for exhibitors, although orders may be placed through the management. It is intended to provide an exhibition of the many details which enter into the construction of a modern home and of which the owner has but little technical knowledge. The management is there to explain and suggest wholly upon an uncompetitive basis.

The institution is open for inspection to the building public, which it is installed to serve and, although not all of the exhibitors have complete installation, it is ready to do business and fill a long felt demand.

Twelve 1000-foot piers are being built for ocean liners in New York harbor.

THE MAKERS OF CEMENT

By Lester T. Sunderland,
President Portland Cement Association

Trade or industrial associations arise in response to definite needs; they are a product of the processes of economic evolution. Broadly speaking, they come under two classifications: (1) The modern "Open Competition" associations, which have for their aim the more intelligent conduct of business in the commercial competitive field, based upon orderly and systematic ascertainment and dissemination of existing related facts, and (2) the "Scientific - Educational-Promotional" associations, which have for their aim increased knowledge, usefulness and use of the products of the industry represented, without concern in the commercial competitive field.

The Portland Cement Association, which originated in Philadelphia in 1902, comes under Classification 2. It is not commercialized in the usual sense of the word, and is neither concerned in the direct sale and distribution of cement, nor in the trading relationships between its membership and their patrons.

Because of its simplicity of use, adaptability and enduring nature, probably no factory-made basic structural material occupies such a broad field of usefulness as does cement, or offers such promising opportunity for expansion of its uses. Recognition of these facts is primarily responsible for the existance of the Portland Cement Association, which is supported by manufacturers in the United States, Canada, Cuba, Mexico, Uruguay and Argentina.

Many products and processes of great benefit to humanity have failed to achieve the full recognition and use to which their worth entitled them, because accurate knowledge of their value and utility was not intelligently sought and widely disseminated. It is only in recent years, since advertising under the pressure of competition developed into a true art, that producers have bought, by alliance to their forces, to effect a widespread knowledge of the utility of their products, and wherever the intrinsic value to mankind of the product has equaled the claims made for it markets have expanded, production has increased and a great service has been rendered the public.

The results already achieved by the association indicate clearly the great opportunity to secure the substantial trade expansion which lies in unified effort in the research-educational-promotional field, without in any degree sacrificing that element of wholesome trade rivalry so essential in the interest of public welfare. Were it not for the work this association has been doing for nearly twenty years the public would still be largely without knowledge of the usefulness and adaptability of concrete, which is now a prime bask necessity in the forward march and progress of modern civilization. *

This association recognizes its responsibility to the public, as is evidenced by the constant effort it puts forth to prevent abuse or misuse of cement, correlated with its endeavors to advance its proper use. Through the research work of its structural materials research laboratory, which is maintained jointly and in co-operation with the Lewis Institute, Chicago, new knowledge is being attained as to how cement should not be used, as well as how it should be used. Our most capable and conscientious architects, engineers and contractors rely increasingly upon this association for "concrete" facts; and through these professions the best interests of private owners, municipalities, and tax payers generally are served and protected. * *

To know the possibilities of cement as disclosed by systematic and methodical research, to spread broadcast through association literature and advertising these findings for the benefit of mankind in order that concrete (in which cement is the basal ingredient) shall give the greatest service possible —in brief, to improve and extend the uses of concrete, are the objects and aims of the Portland Cement Association.

In the association's scheme of organization and policies the ideal of democracy is its guiding principle; any cement manufacturer may belong to it, no cement manufacturer need belong to it. Each member, without reference to size, has but one vote in helping to establish and promote its policies.

It is through the principles and practices adhered to in the conduct of this association's work that its members express: (1) Recognition of their responsibility to the public; (2) Faith in the utility of their product; and (3) belief in the value and necessity of research-educational-promotional work as a developer of their markets.—New York Times.

DAILY
PACIFIC BUILDER

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560 MISSION STREET SAN FRANCISCO, CAL.

THE MARKET STREET RAILWAY PURCHASE

(Committee from Improvement Clubs Resident Districts.)

The conditional report made of the properties of the Market Street Railroad Company by the City Engineer M. M. O'Shaughnessy shows many reasons why San Francisco should, at this time, formulate some plant to provide for a permanent transportation system for the future.

His report shows that if a unified holding was conducted as economically and as safely as the present Muncipal Railroad has heretofore been operated, there is no doubt that the proposed purchase of the Market Street Company's lines would be an advantage to the city. Mr. O'Shaughnessy says that it is not possible to determine actually the figures of the future earnings nor does it seem necessary to do so at this time though it is evident that, on any basis, the amount is large.

His report shows many savings that could be made by the consolidation and unification notwithstanding that he has estimated that the cost of operating the mechanical parts of the system would be more than it appears to cost under private ownership and that still a saving of a sufficient amount would be made to pay off a reasonable installment on the principle each year.

He also states in fixing the estimate for value on the properties of the Market Street Railroads at $40,000,000 that the road itself operated under the city's management would produce more than 5% interest on the $40,000,000.

If the word of Mr. O'Shaughnessy, who is a practical engineer and one who the people of San Francisco have confidence in, is to be taken for anything, there is no question left to discuss excepting to arrive at a price for which the Company will sell its holdings and submit the same to the people for their decision.

LUMBER DIVISION CHANNEL FOR EXPORT MARKET INQUIRIES

(Lumber Division, Axel H. Oxholm, Chief.)

Many lumber exporters and people interested in problems affecting lumber export or import trade of foreign countries have in the past written direct to the various American consulates abroad for this information. Now that the Lumber Division has been established, it is desired to point out to the public that it is preferable to have such inquiries submitted to this division, as the Department of Commerce has an extensive file of information to which inquirers may have access. If the information is not on file, the Bureau will undertake to secure it from abroad.

The Lumber Division is constantly in touch with American consuls and cooperates with them, and is also in direct communication with the foreign representatives of the Bureau of Foreign and Domestic Commerce, such as commercial attaches, trade commissioners, and special agents. Many inquirers are not specific as to the information they desire, and by having the inquiries pass through the Lumber Division mistakes can be eliminated to a great extent and quicker service secured.

The public is therefore urged to send all inquiries of the nature mentioned to the Lumber Division and not direct to foreign representatives of the Government.

L. A. Aqueduct and Power "Scandal" is Reviewed by Eastern Publication

(Engineering and Contracting, Chicago, Ill.)

The acrimony which has marked practically all discussions of the Los Angeles water and power systems ever since the inception of the Owen's river project, is again brought to the fore by charges of Councilman W. C. Mushet in a statement that the Board of Public Service Commissioners is deliberately misrepresenting the operation of its power and light system; and that instead of the $1,000,000 profit claimed by the Board to have resulted from the past four and one-quarter years' operation, there is in reality a loss of more than half a million dollars in depreciation alone. Mr. Mushet asserts further that had the power and light system been charged with all proper items including a portion of aqueduct cost, maintenance and operating expenses, the deficit would have exceeded $4,500,000 at the present time.

Councilman Mushet's charges are embodied in a report requested by the Council following statements made from the floor, that the public service board had misrepresented the status of its utilities. The report contains this pertinent paragraph, "Having been denied access to the books and records of the bureau, my analysis must necessarily be in general terms," and it closes with these words, "Power is being sold below cost and the taxpayer makes up the difference."

In view of this serious condition, I respectfully suggest that the State Railroad Commission be requested to conduct an investigation."

Mr. Mushet submits the Board's own figures of $8,500,000 on June 30, 1917, and $13,282,863 on June 30, 1921, as the costs of light and power property.

For purposes of rough calculation the average of these two, or $11,000,000, may be used.

The only charge which has been made for depreciation—wear and tear, obsolescence, or contingencies — is $107,700. Calculated for the four and one-quarter years' period under consideration, this sum indicates an annual depreciation provision of substantially less than one-quarter of one per cent of the average plant investment of $11,000,000.

We have studied many records and estimates of depreciation and many court and commission allowances for depreciation in cases decided by them, but have never encountered a minimum figure even approaching this one. Nor is it necessary to go beyond Los Angeles and her suburbs to find examples showing the magnitude of the risk of obsolescence. In that very district one of the most talked of plants of the last score of years—a plant which when installed was considered the last word in economy and efficiency—has long since been freely recognized as obsolete.

Four per cent or more has been awarded to many electric companies as an annual depreciation provision, and though there may be features of the Los Angeles plant requiring less than the average, the amount here stated as being in the fund is hopelessly inadequate. A private company operated on such a basis would find difficulty in disposing of its securities. A publicly owned utility so operated holds over the taxpayers and cities the threat of an additional bond issue whenever extensive replacements shall become necessary.

Mr. Mushet's report carries other charges, among them that the $13,282,000 plant account of the present year fails to include certain substantial items. It is also pointed out that the light and power department has borne no part of the cost of the aqueduct from which it gets its water, and that it pays no charges for such water. We know of no business principle justifying such a procedure, and it is most obviously unfair to patrons of the water systems to make them foot charges which properly belong to patrons of the electric system. The deficit hidden here presumably exceeds the deficit due to depreciation.

It is high time that the whole aqueduct project be investigated and reported upon by an impartial and competent body, such as the California Railroad Commission.

The evidence here offered and other statements which have been made from time to time are discreditable to the project and to some of those operating it; but there have been counter charges of misrepresentation and ulterior motives, and if the mess is to be cleared up it would seem that the truth is the first requirement. The people of Los Angeles are entitled to a showdown before an impartial umpire.

1922 ROAD BUILDING WILL BE LARGE ONE

Of the $75,000,000 appropriated for Federal aid in highway construction provided in the Act of November 9 last, $24,375,000 is now available and $48,750,000 will be available on January 1 next, according to figures furnished by Colonel Arthur Woods of the President's conference on unemployment. These amounts are in addition to the $68,500,000 unexpended balance from former Acts giving Federal aid in highway construction, a total of $141,625,000.

It is expected that the various States will match these funds to the extent of at least $125,000,000, making the total Federal aid road work for 1922 more than $250,000,000.

The Bureau of Public Roads has figures showing that other State and county road construction, in which the Federal Government will not participate, will bring the grand total to approximately $650,000,000 for 1922.

SALES AGENTS TO VISIT EASTERN FACTORIES

E. C. Whalen and Wm. Driscoll, California factory representatives for the Sloane Valve Company and handling the Whalebone Seat, manufactured by the Brunswick-Balke Company of Chicago, have left for that city to visit the factories in which products they handle are manufactured.

Advance Construction Reports

Larsen Construction Reports, issued every business day of the year, furnishes information as to contemplated construction projects of all kinds, covering the State of California.

If you want to know when Architects and Engineers are preparing plans or taking figures for materials and for construction, we supply the information.

BUILDING REPORT SERVICE covers every class of building.

ENGINEERING REPORT SERVICE covers bridges, dams and harbor work; street, sewer and highway projects; irrigation works, machinery, fire equipment, etc.

Sample copies furnished on request. State character of construction in which you are interested.

Larsen Construction Reports

560 Mission Street **San Francisco, Calif.**

Contracts Awarded

Liens, Acceptances, Etc.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
3108	Klein	Conlon	128000
3109	Jorgensen	Owner	20000
3110	Garden	Allen	12000
3111	Wilson	Wilson	1000
3112	Miller	Kern	600
3113	Wold	Marcussen	750
3114	Nelson	Owner	5000
3115	Westphal	Arthur	4500
3116	Schmitt	Moran	22500
3117	Nelson	Nelson	6000
3118	Same	Same	6000
3119	Yates	Yates	9000
3120	Alco	Yates	2500
3121	Antipa	Yates	6000
3122	Becker	Meyer	18000
3123	McKillop	Owner	2000
3124	Spamer	Nelson	9500
3125	Straub	Knabenshuh	5000
3126	Peterson	Owner	120000
3127	Meyer	Owner	6000
3128	Anderson	Meyer	16000
3129	Cody	Owner	5500
3130	Costello	Owner	6000
3131	McLure	Todhunter	500
3132	Quick	Todhunter	1485
3133	Greppi	Owner	1000
3134	Nelson	Barrett	850
3135	Costello	Owner	10000
3136	Shuff	Owner	750
3137	Aronson	Grassi	5650
3138	Fischer	Watson	8635
3139	Knoll	Owner	30000
3140	Tarantino	Lydiksen	11000
3141	Perego	Kincanon	4000
3142	Skelly	Diestel	750
3143	Hellerman	Jensen	950
3144	Bellisle	Bellisle	900
3145	McHugh	Meyer	20000
3146	Morris	Owner	5000
3147	Brickell	Monson	35733
3148	Heller	Barrett	3000
3149	Battaglia	Grahn	2000
3150	Goldstein	Owner	29000
3151	Moeller	Leigh	3000
3152	Milligan	Elvin	1450
3153	McCall	McCall	3000
3154	Nelson	Owner	9000
3155	Asmussen	Owner	14200
3156	Law	Delbos	500
3157	Heyman	Owner	2000
3158	McLaughlin	Owner	5000
3159	Marty	Bos	1[illegible]
3160	Schwab	Nelson	6500
3161	Wissman	Meyer	8000

PERMITS

FRAME FLATS
(3108) S DUBOCE 236-8 W Valencia Two-story and basement frame (4) flats.
Owner—J. A. Klein, 1736 Fell St., San Francisco.
Architect — Walter C. Falen, 502 Hearst Bldg., San Francisco.
Contractor—Edw. J. Conlon, 1935 Howard St., San Francisco. $128,000

APARTMENTS
(3109) SE EUCLID AND PALM AVES Three-story and basement frame (6) apartments.
Owner—Carl Jorgensen, 601 Mission St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Day's work. $20,000

RESIDENCES
(3110) S PORTOLA DRIVE 221 and 274 E Santa Clara. Two two-story and basement frame residences.
Owner—Garden Homes Co., 278 Post St., San Francisco.
Architect—Louis B. Gertz, 168 Sutter St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco. $6000 each

DWELLINGS
(3111) E ASHTON AVE 100 and 120 N De Montford. Two one-story and basement frame dwellings.
Owner—Oscar Wilson, 336 Ashton Ave., San Francisco.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Contractor—Wilson & Benson, 420 Russia Ave., San Francisco. $2000 each

ALTERATIONS
(3112) NW FOLSOM AND NINTH Ave (as filed) Re-arrange drug store.
Owner—Katherine K. Miller, P. O. Box 647, San Jose, Cal.
Architect—None.
Contractor—Chas. J. Kern, 3883 18th St., San Francisco. $600

ALTERATIONS
(3113) NO. 2671 MISSION. Composition floor; new front, etc., for store
Owner—Peter F. Wold, 1923 Parker St., Berkeley.
Architect—None.
Contractor—C. Marcussen, 1820 Woolsey St., Berkeley. $600

FRAME FLATS
(3114) W NINETEENTH AVE 250 S California. Two-story and basement frame (2) flats.
Owner—N. J. Nelson, 1505 Balboa St., San Francisco.
Architect—None.
Day's work. $6000

RECORDED

RESIDENCE
(3115) N EIGHTEENTH 127-6 W Church. All work for one-story and basement residence.
Owner—Chris and Lydia J. Westphal, 503 Sanchez St., San Francisco.
Architect—Geo. H. Arthur, 180 Jessie St., San Francisco.
Contractor—Geo. H. Arthur, 180 Jessie St., San Francisco.
Filed Dec. 23, '21. Dated Dec. 22, '21.
Roof on $1125
Plastering done 1125
Completed and accepted..... 1125
Usual 35 days 1125
TOTAL COST, $4500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today.

FLATS
(3116) W FOURTEENTH AVE 100 S Cabrillo S 50xW 127-6. Two two-story frame buildings (flats).
Owner—Harry and Louise Schmitt, 825 Cabrillo St.
Architect—Paul F. DeMartini, 946 Broadway.
Contractor—Harry Moran, 778 10th Ave.
Filed Dec. 23, '21. Dated Dec. 22, '21
Roof on both buildings..... $5375
Brown Coated 5375
Completed and Accepted..... 5375
Usual 35 days 5375
TOTAL COST, $21,500
Bond, forfeit, none, limit, 90 days. Plans and specifications filed.
NOTE—Permit also applied for today.

BUNGALOW
(3117) LOT 6 BLK 3109, Westwood Park. All work for one-story and basement bungalow.
Owner—Hans and Wife Esther E. Nelson, 1375 Plymouth Ave., S. F.
Architect—Charles F. Strothoff, 2276 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Dec. 23, '21. Dated Nov. 28, '21.
Frame up and enclosed $1500
Brown coated 1500
Completed and accepted..... 1500
Usual 35 days 1500
TOTAL COST, $6000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUNGALOW
(3118) LOT 8 BLK 3109, Westwood Park. All work for one-story and basement bungalow.
Owner—Hans and Wife Esther E. Nelson, 1375 Plymouth Ave., S. F.
Architect—Charles F. Strothoff, 2276 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Dec. 23, '21. Dated Nov. 28, '21.
Enclosed $1500
Brown coated 1500
Completed and accepted..... 1500
Usual 35 days 1500
TOTAL COST, $6000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(3119) W Clayton 85 5/8 S Parnassus. Two-story and basement frame (4 apartments).
Owner—Yates and Cooke, 124-A Parnassus.
Architect—C. S. McNally, 21 Woodland Ave.
Contractor—Yates and Cooke, 124-A Parnassus Ave. $9000

FLAT
(3120) E Baker between Bush and Pine Sts. One-story frame private garage and flat
Owner—Julian Alco, 2151 Union St.
Architect—John H. Almdon, 358 3rd Avenue.
Day work. $2500

RESIDENCE
(3121) E 47th Ave. 90 S Balboa. Two-story and basement frame residence.
Owner—A. Antipa, 2109 Anza St.
Architect—None.
Day work. $6000

PERMITS

FLATS
(3122) SW GEARY AND TWENTY-first Ave. Three-story and basement (4) flats and store.
Owner—Geo. Becker, 623 22nd Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor — Meyer Bros., 3326 Geary St., San Francisco. $18,000

RESIDENCE
(3123) S LELAND AVE between Cora and Ruttler. One-story and basement frame residence.
Owner—A. M. McKillop, 1 Leland Ave., San Francisco.
Architectural Designer—J. F. McGuinness Jr., 512 Van Ness Ave., S. F.
Day's work. $2000

FRAME FLATS
(3124) N LIBERTY 255 E Dolores Two-story and basement frame (2) flats.

Owner—H. Spamer.
Architect—None.
Contractor—P. Algot Nelson, 205 Eureka St., San Francisco. $9900

STORE AND FLAT
(3125) S OCEAN AVE 25 W Miramar. Two-story frame store and flat.
Owner—F. J. Straub, 1501 Ocean Ave., San Francisco.
Architect—Walter H. Parker, 57 Post St., San Francisco.
Contractor—Knabenshuh & Morrison, 180 Jessie St., S. F. $5000

FRAME APTS.
(3126) N O FARRELL 137-6 W Jones. Six-story and basement reinforced frame Class C (36) apartments.
Owner—Carl N. Peterson, 216 Sharon Bldg., San Francisco.
Architect—August G. Headman, New Call Bldg., San Francisco.
Day's work. $130,000

DWELLINGS
(3127) E TWENTY-NINTH AVE 200 and 225 S Clement. Two one-story and basement frame dwellings.
Owner—Meyer Bros., 5326 Geary St., San Francisco.
Architect—None.
Day's work. $3000 each

FRAME FLATS
(3128) E TWENTY-FOURTH AVE 275 S Clement. Two-story and basement frame (2) flats.
Owner—Johnathan Anderson, 16th Ave. and Geary St., San Francisco.
Architect—None.
Contractor — Meyer Bros., 5326 Geary St., San Francisco. $8000

RESIDENCE
(3129) W TWENTY-SECOND AVE 300 S Geary. Two-story and basement frame residence.
Owner—Bertram A. Cody, 960 Potrero Ave., San Francisco.
Architect—None.
Day's work. $5500

DWELLINGS
(3130) W THIRTY-NINTH AVE 124, 159 and 194 N Geary. Three one-story and basement frame dwlgs.
Owner—Costello Bros., 18 Ney St., San Francisco.
Architect—None.
Day's work. $2000 each

REPAIRS
(3131) NO. 387 FIRST ST. Repair fire damage to pattern shop.
Owner—J. T. McLure, Premises.
Architect—None.
Contractor—Geo. C. Todhunter, 1088 Ashbury St., San Francisco. $500

REPAIRS
(3132) NO. 235 FIRST ST. Repair fire damage to machine shop.
Owner—Miss T. Quick, 1218 Haight St., San Francisco.
Architect—None.
Contractor—Geo. C. Todhunter, 1088 Ashbury St., San Francisco. $1485

DWELLING
(3133) NO. 1220 INDIANA ST. One-story and basement frame dwlg.
Owner—Antony A. Greppi and A. Ghiorzi, 1214 Indiana St., S. F.
Architect—None.
Day's work. $1000

ADDITION
(3134) NO. 615 SIXTH ST. One-story corrugated iron addition for shop and warehouse.
Owner—Jas. Nelson, Premises.
Architect—None.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $850

FLATS
(3135) E TWENTY-FIRST AVE 125, 153, 181 and 209 N Fulton. Four two-story and basement frame (2 in each) flats.
Owner—Costello Bros., 18 Ney St., San Francisco.
Architect—None.
Day's work. $5000 each

ADDITION
(3136) NO. 2614 WEBSTER ST. Addition of one room and bath to residence.
Owner—Chas. P. Shuff, Premises.
Architect—None.
Day's work. $750

RECORDED

TERRAZZO WORK
(3137) NE NEW MONTGOMERY AND Mission. Travatine terrazzo for 2d 3d, 4th, 5th and 6th floor corridors for Crossley Building.
Owner—A. Aronson, L. Metzger and L. Schoenberg.
Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.
Contractor—P. Grassi & Co., 145 Tehama St., San Francisco.
Filed Dec. 27, '21. Dated Dec. 23, '21.
5th and 6th floors completed and accepted.....$1059.50
4th floor completed & accepted 1059.40
3d floor completed & accepted 1059.30
2d floor completed & accepted 1059.30
Usual 35 days..... 1412.50
TOTAL COST, $5650.00
Bond, none. Limit, 60 days. Forfeit, plans and specifications, none.

FLATS
(3138) E SEVENTEENTH AVE 176 S Anza S 24x120. All work for two-story frame building (flats).
Owner—Frank Fischer.
Plans by Contractor.
Contractor—G. E. Watson Bldg. Co.
Filed Dec. 27, '21. Dated Dec. 19, '21.
Frame up $2233
Rough frame up 2234
Completed and accepted..... 2234
Usual 35 days..... 2234
TOTAL COST, $8935
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

STORE
(3139) NW ANNIE AND MISSION. One-story & basement brick store.
Owner—A. H. Knoll, 1023 Hearst Bldg., San Francisco.
Architect — A. H. Knoll, 1023 Hearst Bldg., San Francisco.
Day's work. $30,000

RESIDENCE
(3140) W FRANKLIN 72-6 N Vallejo. Two-story and basement frame residence.
Owner—Mrs. Maria Tarantino, 534 Green St., San Francisco.
Architect—None.
Contractor — Geo. H. Lydiksen, 1329 Vermont St., San Francisco. $11,000

APARTMENTS
(3141) E HYDE 87 S Clay. Three-story and basement frame (12) apartments.
Owner—Grace Perego, 159 Sutter St., San Francisco.
Architect—None.
Contractor — Kincanon & Perego, 159 Sutter St., S. F. $40,000

REPAIRS
(3142) NO. 792 McALLISTER. Repair fire damage to rooming house.
Owner—Skelly Estate Co., 68 Post St., San Francisco.
Architect—Matthew O'Brien, 68 Post St., San Francisco.
Contractor—John Diestel, 248 Russ Bldg., San Francisco. $750

ALTERATIONS
(3143) NO. 761 MARKET. Rearrange show windows.
Ownr—Mary Hefferman, 1290 28th Ave., San Francisco.
Architect—None.
Contractor — James Jensen, 550 Valencia St., San Francisco. $950

ALTERATIONS
(3144) NO. 1655 SUTTER. Minor alterations to rooming house.
Owner—Emily Bellisle, Premises.
Architect—None.
Contractor—F. N. Bellisle, 1655 Sutter St., San Francisco. $900

DWELLINGS
(3145) E THIRTY-SIXTH AVE 100, 125, 150 and 175 N Geary. Four one-story and basement frame dwellings.
Owner—Peter McHugh, 5326 Geary St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 5326 Geary St., San Francisco. $5000 each

DWELLING
(3146) E TWENTIETH AVE 250 N Cabrillo. Two-story and basement frame dwelling.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Day's work. $5000

RECORDED

OFFICE BLDG.
(3147) S SUTTER 177-6 E Montgomery E 40xS 85. All work for two-story office building.
Owner—John C. Brickell, Lick Bldg., San Francisco.
Architect — J. R. Miller, Lick Bldg., San Francisco.
Contractor — Monson Bros., 251 Kearny St., San Francisco.
Filed Dec. 28, '21. Dated Dec. 24, '21.
On 5th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $35,733
Bond, $17,866. Sureties, S. L. Forsyth and E. T. Osborn. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(3148) NO. 1116 MARKET ST. All work for alterations to one-story brick building.
Owner—Walter S. Heller, Mills Bldg., San Francisco.
Plans by C. Heller, 57 Post St., S. F.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Filed Dec. 28, '21. Dated Dec. 28, '21.
Plastering and rough plumbing completed $1125
All work completed and accepted balance not to exceed 75% of total..... ....
Usual 35 days.....Balance
TOTAL COST, $3000
Bond, none. Limit, Feb. 4, 1922. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Dec. 20, 1921, No. 3070.

DWELLING
(3149) W ALABAMA 300 N Precita. One-story and basement frame dwelling.
Owner—Vincent Battlaglia, 1593 Treat Ave.
Architect—None.
Contractor—Wm. H. Grahn, 2840 Byrant. $2,000

STORE
(3150) SW BUSH AND STOCKTON. Two-story and mezzanine concrete store.
Owner—Julius Goldstein, 425 Kaerny.
Architect—W. H. Crim, Jr., 425 Kearny.
Days work. $29,000

BAKERY
(3151) S CLEMENT 85 E 26th Ave. One-story frame bakery.
Owner—G. Moeller, 2665 Clement.

Architect—None.
Contractor—David Leigh, 840 44th Ave. $3,000

ALTERATIONS
(3152) SE GEARY AND MASON STS. Remove partitions; replace portion of tile floor; painting, etc., for restaurant.
Owner—A. J. Milligan.
Architect—Bernard J. Joseph, New Call Bldg., San Francisco.
Contractor—Arthur Elvin, 180 Jessie St., San Francisco. $1450

DWELLING
(3153) E MISSION 50 S Appleton. One-story and basement frame dwelling
Owner—John P. McCall and wife, 3272 Mission St., San Francisco.
Architect—None.
Contractor—John P. McCall, 3272 Mission St., San Francisco. $3000

DWELLINGS
(3154) N STAPLES 90, 121-6 and 160 E Hazelwood. Three one-story and basement frame dwellings.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—C. Strothoff, 2274 15th St., San Francisco.
Day's work. $3000 each

APARTMENTS
(3155) S HAIGHT 55 W Pierce. Three-story and basement frame (6) apartments.
Owner—M. I. Asmussen, 723 Haight St., San Francisco.
Architect—B. Christiansen, 233 Lick Bldg., San Francisco.
Day's work. $14,200

ALTERATIONS
(3156) NO. 5 HARLEM PLACE. Alter for private garage.
Owner—H. E. Law, 500 Monadnock Bldg., San Francisco.
Architect—None.
Contractor—Louis J. Deibel, 2453 Buchanan St., San Francisco. $500

DWELLING
(3157) W THIRTY-FIFTH AVE 175 S Geary. One-story and basement frame dwelling.
Owner—Oscar Heyman & Bro., 742 Market St., San Francisco.
Plans by Owner.
Day's work. $2000

DWELLING
(3158) E TWENTY-NINTH AVE 275 N Balboa. Two-story and basement frome dwelling.
Owner—Geo. McLaughlin, 689 5th Ave., San Francisco.
Architect—None.
Day's work. $5000

RECORDED

STORE BLDG.
(3159) E VALENCIA 235 N 20th N 50 xE 80. All work for one-story and basement Class C store building.
Owner—P. Marty, 3566 20th St., San Francisco.
Architect—Albert J. Fabre, 110 Sutter St., San Francisco.
Contractor — Geo. Bos, Hearst Bldg., San Francisco.
Filed Dec. 29, '21. Dated Dec. 15, '21.
1st floor joists in place..... $3965.
Rough coat plaster on..... 3965
Completed and accepted..... 3965.
Usual 35 days..... 3972
TOTAL COST, $15,867
Bond, $7935. Surettes, F. E. Treacy and D. C. McCabe. Limit, 60 days. Forfeit, $10. Plans and specifications filed.
NOTE:—Permit reported Dec. 5, 1921, No. 2925.

BUNGALOW
(3160) LOT 19 BLK 3113. Westwood Park. All work for one-story frame bungalow and separate garage.
Owner—Edith Schwab, 405 Van Ness Ave., San Francisco.
Architect—Charles F. Strothoff, 2274 15th St., San Francisco.
Contractor — Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Dec. 29, '21. Dated Oct. 1, '21.
Frame up and enclosed..... $1625
Brown coated 1625
Completed and accepted..... 1625
Usual 35 days..... 1625
TOTAL COST, $6500
Bond, limit, forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Oct. 8, 1921, No. 2234.

DWELLINGS
(3161) E TWENTY-THIRD AVE 50 N Cabrillo; E 23rd Ave 75 N Cabrillo. All work for two one-story five-room frame dwellings.
Owner—Harry Wissman, 29th Ave & Clement St., San Francisco.
Architect—None.
Contractor—Theodore G. and Rollin E. Meyer, 5326 Geary St., S. F.
Filed Dec. 29, '21. Dated Oct. 15, '21.
Frame up $2000
Brown coated 2000
Completed 2000
Usual 35 days..... 2000
TOTAL COST, $8000
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

COMPLETION NOTICES

SAN FRANCISCO COUNTY

Recorded Accepted

Dec. 29, 1921—NW CLAY AND WEBSTER. The Board of Trustees of The Leland Stanford Jr University to The Forderer Cornice Works.....Dec. 27, 1921

Dec. 29, 1921—W CHARTER OAK AV 175 N Thornton Ave N 25x100. Mrs. and Mr. F Voigtlander to S Saari.. Dec 29, 1921

Dec. 28, 1921—SE LAKE & TENTH Ave 45 on Lake and 60 on 10th Ave. Chas A Johnson to whom it may concern..... Dec 28, 1921

Dec. 28, 1921—E TREAT AVE 70 N 22nd N 25xE 62-6 M B 54. T Beck and Mrs. T Beck to Geo M Merritt .....Dec. 28, 1921

Dec. 29, 1921—N SEA CLIFF AVE, if produced W dist S 83° 32' W 429.23 from SW Cor Lot 76 Sub No. 1, Sea Cliff N 3° 23' W 155.47 N 88 E 50.015 S 3° 23' E 151.575 m or l to N line Sea Cliff Ave if produced S 83° 32' W 50.073 Ney Wolfskill to J Harold Johnson, Harry G Graper and Thos Day & Co.....Nov. 29, 1921

Dec. 28, 1921—W SEVENTEENTH AV 100 S Moraga S 25xW 120. Chas H Drescher to whom it may concern.. .....Oct. 1, 1921

Dec. 28, 1921—SE PARIS 150 NE Russia Ave NE 25xSE 100 Ptn Blk 20, Excl Hd Ass'n Jane Horgan to whom it may concern...Dec. 27, 1921

Dec. 28, 1921—LOT 6 BLK 3136; Lot 2 Blk 3136; Lot 4 Blk 3136; Lot 8 Blk 3136, Westwood Park. Hans and Esther E Nelson to Nelson Bros.... Dec 23, 1921

Dec. 28, 1921—NW TAYLOR AND Golden Gate Ave N 137.63xW 137.6 Orpheum Circuit Inc and G Amedee Lansburgh to Dyer Bros Golden West Iron Works.....Dec. 27, 1921

Dec 28, 1921—E SIXTEENTH AVE 25 S Cabrillo S 24-8xE 77-6. Jos C Kirby to whom it may concern... Dec 28, 1921

Dec. 28, 1921—S CABRILLO 82-6 W 22nd Ave W 50xS Inc Raymond Mansson to whom it may concern .....Dec. 27, 1921

Dec. 28, 1921—W EASTWOOD DRIVE 6 S from N line Lot 9 Blk 3176, S 25 x S 80 x W 135 x W 135 x S 24 x W 50.88 x S 80 x E 311.88 Ptn Lot 9 Blk 3176, Westwood Park. Walter E Hansen to whom it may concern.....Dec. 28, 1921

Dec. 28, 1921—W EASTWOOD DRIVE 15 N from N line Lot 10 Blk 3176, Westwood Park S 32.5 N 87° 39' 24" W 114.79 to W line Lot 10 dist thereon N 0° 24' W from N line Lot 10 N 0° 24' W 30.87 N 87° 39' 18" E 114.189 Ptn Lots 9 and 10 Blk 3176, Westwood Park. Walter E Hansen to whom it may concern .....Dec. 28, 1921

Dec 28, 1921—W NINTH AVE 175 S Lake 25x120. T J Strand to whom it may concern..Dec. 28, 1921

Dec 28, 1921—W NINTH AVE 200 S Lake Lot 25x120. T J Strand to whom it may concern..Dec. 28, 1921

Dec. 28, 1921—N BRAZIL AVE AND London NW 49-7¼xNE 70 Ptn Lot 5 Blk 2, Excl Hd Assn. Ambrose E Frank to whom it may concern .....Dec. 28, 1921

Dec. 28, 1921—N FULTON 27-6 W Octavia. National Pie Co to Fred Moller.....Dec. 28, 1921

Dec. 27, 1921—NE FOURTH 51-2 NW Natoma NW 51-4 NE 75 SE 22-6 NE 7-6 SE 28-10 SW 82-6. Thomas McDougall to Monson Bros..... .....Dec. 27, 1921

Dec. 27, 1921—N WASHINGTON 110 E Divisadero E 55xN 127-8¼. B S Berry to whom it may concern... .....Dec. 21, 1921

Dec. 27, 1921—W FORTY-THIRD AV 175 N Fulton N 25xW 120. John Bjorkman to whom it may concern.....Dec. 27, 1921

Dec. 24, 1921—N GEARY 55 W PALM Ave. N 25 x N 75. Louis J Cohn to whom it may concern..Dec. 23, '21.

Dec. 24, 1921—S CALIFORNIA 57-6 W 12th Ave. 25 x 100. Edward Coleman to whom it may concern .....Dec. 22, 1921

Dec. 24, 1921—E SIXTEENTH AVE. 243-6 N Cabrillo 25x 140. Alice S Fennell to Jas. E. Fennell .....Dec. 23, 1921

Dec. 24, 1921—SW TWENTY-SIXTH A. E and Bartlett S 32-6 x W 90. V. Fassio & Val Franz to whom it may concern.....Dec. 23, 1921

Dec. 24, 1921—NE TWENTY-FIRST AVE. and Fulton E 32-6 x 80. V. Fassio & Val Franz, to whom it may concern.....Dec. 23, 1921

Dec 24, 1921—E TWENTY-FIRST AVE. 32-6 N Fulton 96-6 on Fulton x E 80. V Fassio & Val Franz, to whom it may concern .....Dec. 23, 1921

Dec. 24, 1921—E MONTGOMERY 67 S Bush S 20 E 77-6 S 67 E 60 N 154 W 60 S 67 W 77-6. California Pac. Reality Co. to H. Hallensleben as Monarch Iron Works .....Dec. 22, 1921

Dec. 22, 1921—NE PINE & MONTGOMERY N 125 x W 138-6. Commercial Union Assurance Co., Ltd., The California Insurance Co., to Forderer Cornice Works..... .....Dec. 22, 1921

Dec. 21, 1921—NE ANZA & TWENTY-NINTH AVE. E 42-6 x N 70. Mildred T. Taubles to H. J. Hansen .....Dec 21, 1921

Dec. 20, 1921—NW HOWARD 423 NE 2nd NE 50 x NW 165. Waterhouse & Lester Co. to Alfred H. Vogel .....Dec 20, 1921

Dec. 23, 1921—LOT 19 BLK 22 St Francis Wood Extn. 2 SE ptn. lot 20 Blk 22 desc'd as SW bdy line Santa Monica Way & SW bdy NW from intr with dividing line bet lots 19 and 20 Blk 22 SE alg SW bdy Santa Monica Way S 37° 02' 01" W and parallel to dividing line bet lots 19 and 20 120.98 th N 55° 56' 30" and following SW bdy line lot 20 4.7 rung th N 36° 52' 52" N 121.2" to beg. Paul & Maud Wotring Raymond to Taylor & Jackson .....Dec. 3, 1921

Dec 23, 1921—W MONTGOMERY 75 N Post W 160 x N 100. The First National Bank of San Francisco to Federal Ornamental Iron and Bronze Co. .....Dec 22, 1921

Dec. 23, 1921—E FAXON AVE 4 S Lot 19 Blk 3166, Westwood Park N 40 N 84° 15' 52" E 97.281 S 41 S 84° 50' 59" W 97.675 Pin Lots 18 and 19 Blk 3166, Westwood Park. Wm Crawford to G E Watson. Dec. 20, '21

Dec. 23, 1921—S PACIFIC 68-9 E Larkin E 63-9xS 137-6 H Dragon Co to J M Lettich..... Dec. 14, 1921

Dec. 23, 1921—LOT 12 BLK 25, Lakeview. Oscar and Hilda Wilson to whom it may concern.. Dec. 23, 1921

Dec. 23, 1921—LOT 13 BLK 25, Lakeview Tract. Oscar and Hilda Wilson to whom it may concern..... .....Dec. 23, 1921

Dec. 23, 1921—LOT 25x90 ON E EIGHTH AVE. 30-4 N Cabrillo. Karl H. Holmgren to whom it may concern .....Dec. 23, 1921

Dec. 23, 1921—W MONTGOMERY 75 N Post W 160 x N 100. The First National Bank of San Francisco, to H. S. Tittle, F. J. Fuller and A. A. Goepp .....Dec. 22, 1921

LIENS FILED

SAN FRANCISCO COUNTY

Recorded Amount

Dec. 29, 1921—E THIRTY-SECOND Ave 175 N Geary N 25xE 120. J W Burtchaell vs H Budan $60

Dec 27, 1921—W WESTWOOD DRIVE dist N 20 from N line Lot 7 Blk 3174 along W Westwood Drive S 45 N 82° 51' 26" W 95 N 42.836 S 40° 09' 46" Pin Lots 6 and 7 Blk 3174, Westwood Park. White Bros vs L A Bauer.....$133.71

Dec 27, 1921—SE DIVISADERO AND Fell E 137-6 S 185-8 NW 138-8 N 165. Oney D Graves vs Bessie K and Clarence D Hillman..... $125

Dec. 27, 1921—W HOWARD 285-7½S N 18th N 29-9¾xW 112-6. J E Higgins Lumber Co vs Jno and Ellen Byrne, Wm O Snell (as San Francisco Hardwood Floor Co)....$78.07

RELEASE OF LIENS

SAN FRANCISCO COUNTY

Recorded Amount

Dec. 23, 1921—NW GEARY & MASON N 60 W 137-6, San Francisco. E. V. Lacy to St Francis Reality Co.

Notice of Non-Responsibility

SAN FRANCISCO COUNTY

Dec 27, 1921—SW TURK & TAYLOR and 100 Turk. Alexander W and Alexander A Wilson and Robt Schuman as to improvements on property .....

RELEASE OF BUILDING CONTRACT

SAN FRANCISCO COUNTY

Dec. 27, 1921—W FOURTEENTH AVE 100 S Cabrillo S 50xW 127-6 Chas and Louise Schmitt with Harry Moran .....

BUILDING CONTRACTS

ALAMEDA COUNTY

The following is an index for the contracts for this issue:

No.	Owner	Contractor	Amt.
4549	Riggle	Fabing	4500
4550	Leonardini	Bradhoff	4460
4551	Fernenberg	Stuiman	475
4552	Carter	Corbett	490
4553	Shannon	Hambleton	5580
4554	McClendor	Owner	1000
4555	Lewis	Hendrickson	3500
4556	Hatch	Owner	3000
4557	Minney	Orton	1800
4558	Wilson	Almquist	500
4559	McKallor	Owner	3000
4560	Skinner	Henderson	5500
4561	Simmons	Van Horn	3000
4562	Shannon	Hambleton	6250
4563	Robertson	Gold	500
4564	Humphrey	Bertelsen	8215
4565	Bkly Bldg. Co.	Owner	6000
4566	Elliott	Brasch	500
4567	Associated	Owner	1500
4568	Falkell	Carson	5000
4569	Burtchall	Sheridan	720
4570	Sweet	Owner	1500
4571	Radford	McWethy	5500
4572	Sommarstrom	Owner	4500
4573	Titerington	Owner	3000
4574	Calif	Owner	500
4575	Nelson	Owner	4000
4576	Norberg	Norberg	3000
4577	Jacobsen	Platt	500
4578	Emeryville	Rutherford	2500
4579	Pennie	Patterson	500
4580	Vaughn	Owner	1000
4581	Sanders	Hansen	1000
4582	Marymont	Kulchar	500
4583	Rabinowitz	Sommarstrom	18000
4584	Henkle	Scott	12500

PERMITS

DWELLING
(4549) S E-TWENTY-FIRST 150 W Seventh Ave., Oakland. One-story 6-room dwelling.
Owner—Frank Riggle.
Architect—None.
Contractor—F. N. Fabing, 1837 5th Ave., Oakland. $4500

DWELLING
(4550) W JAMES AVE — N Cavour, Oakland. One-story 5-room dwlg.
Owner—J. J. Leonardini.
Architect—None.
Contractor—C. O. Bradhoff, 911 55th St., Oakland. $4460

ALTERATIONS
(4551) NO 548 SEVENTH, Oakland. Alterations.
Owner—B. Fernenberg.
Architect—None.
Contractor—L. Stuiman. $475

ALTERATIONS
(4552) NO. 469 TWELFTH ST., Oakland. Alterations.
Owner—Carter & Rule, Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1111 Franklin St., Oakland. $490

RECORDED

GARAGE
(4553) W SAN PABLO AVE 189.07 S Isabella S 50xW 100, Oakland. All work for one-story brick and tile garage.
Owner—J. M. Shannon, Hutchinson Bldg., Oakland.
Architect—None.
Contractor—Fred Hambleton, 3737 13th Ave., Oakland.
Filed Dec. 24, '21. Dated Dec. 22, '21.
Brick work completed.....$2500
Completed ..... Balance
TOTAL COST, $5580
Bond, none. Limit, 30 days. Forfeit, plans and specifications, none.

ALTERATIONS
(4554) NO. 2009 LINCOLN ST., Berkeley. Alterations.
Owner—Alice McClendor, Premises.
Architect—None.
Day's work $1000

DWELLING
(4555) NO. 733 PERALTA AVE., Berkeley. One-story 6-room dwelling and garage.
Owner—Anna A. Lewis.
Architect—None.
Contractor—A. Hendrickson, [illegible] St., Berkeley. $3500

RESIDENCE
(4556) S EL CAMILE AVE 194 E Kingsland, Oakland. One-story 5 room dwelling.
Owner, G. W. Hatch, Hotel Webster, Oakland.
Architect—None.
Days work. $3000

RESIDENCE
(4557) S GRAY 250 W HARRINGTON, Oakland. One-story 4 room dwelling.
Owner—E. T. Minney, Syndicate Bldg., Oakland.
Architect—None.
Contractor—A. Orton & Son, 3336 68th Ave., Oakland. $1800

ADDITION
(4558) NO. 2600 KINGSLAND AVE., Oakland. Addition.
Owner—T. H. Wilson.
Architect—None.
Contractor—John Almquist, 5356 Trask St., Oakland. $500

RESIDENCE
(4559) W MIDVALE EW 80 N Kansas St., Oakland. One-story 5-room dwelling.
Owner—H. T. McKallor, 1575 36th Ave.
Architect—None.
Days work. $3000

DWELLING
(4560). N ROCKRIDGE BLVD. 694 E Broadway, Oakland. One-story five-room dwelling.
Owner—Walter D. Skinner, Moss and Webster Sts., Oakland.
Architect—None.
Contractor—E. F. Henderson, 5744 Keith Ave., Oakland. $5500

DWELLING
(4561) W SIXTY-FIRST AVE 200 N Camden, Oakland. One-story five-room dwelling.
Owner—C. A. Simmons, 36 8th St., Okd.
Architect—None.
Contractor—D. W. Van Horn, 5936 Muritania Ave., Oakland. $3000

GARAGE
(4562) W SAN PABLO AVE 189 S Isabella, Oakland. One-story tile garage.
Owner—Dr. J. M. Shannon, 1770 Broadway, Oakland.
Architect—None.
Contractor—Fred Hambleton, 3737 13th Ave., Oakland. $6250

ALTERATIONS
(4563) 678 THIRTY-THIRD, Oakland. Alterations.
Owner—M. Robertson.
Architect—None.
Contractor—Francis Gold, 731 Cleveland St., Oakland. $500

RECORDED

DWELLING
(4564) E EUCLID AVE., bet. Cedar and Hillgard, Berkeley. All work for one-story dwelling.
Owner—E. R. Humphrey and A. L. Read, Berkeley.
Architect—W. H. Ratcliff Jr., 1st Nat'l. Bank Bldg., Berkeley.
Contractor—L. J. Bertelsen, 30 Estrella St., Piedmont.
Filed Dec. 27, '21. Dated Dec. 23, '21.
1st of each month all bills due...
TOTAL COST, not over $8215
Bond, limit, forfeit, none. Plans and specifications filed.

DWELLINGS
(4565) E STATION PLACE 75 and 115 S Catalina, Berkeley. Two one-story dwellings.
Owner—Berkeley Bldg. Co., Solano and Colusa Sts., Berkeley.
Architect—None.
Day's work. $3000 each

GARAGE
(4566) NO. 2905 BENVENUE, Berkeley Garage.
Owner—E. R. Elliot, Premises.
Architect—None.
Contractor—M. P. Brasch, 2735 Ashby Ave., Berkeley. $500

SERVICE STATION
(4567) NE ASHBY AVE AND CLAREMONT, Berkeley. Service station.
Owner—Associated Oil Co., Sharon Bldg., San Francisco.
Architect—None.
Day's work. $1500

DWELLING
(4568) N ALMA AVE. 350 W Chatham Road, Oakland. 1½-story 6-room dwelling.
Owner—H. C. Falkell, Oakland.
Architect—None.
Contractor—John Carson, 50 Yosemite Ave., Oakland. $5,000

ALTERATIONS
(4569) NO. 441 ELEVENTH.
Owner—S. W. Burtchall.
Architect—None.
Contractor—Robt. Sheridan Co., 351 11th, Oakland. $720

STORE
(4570) N FORTIETH 165 W Broadway, Oakland. One-story, 2-room store.
Owner—B. E. Sweet, 3779 Piedmont Ave., Oakland.
Architect—None.
Days work. $1500

DWELLING
(4571) S JEAN, 250 W Grand Ave., Oakland. One-story 5-room dwelling.
Owner—J. C. Radford, 1550 3rd Ave., Oakland.
Architect—None.
Contractor — McWethy & Greenleaf, Albany Bldg., Oakland. $550

DWELLING
(4572) N PARK BLVD 85 E Chicago Way, Oakland. Two-story 6-room dwelling.
Owner—Esther M. Sommarstrom, 3145 Champion, Oakland.
Architect—None.
Contractor—M. F. Sommarstrom. $4500

DWELLING
(4573) NO. 1502 SEVENTY-SEVENTH AVE., Oakland. One-story 5-room dwelling.
Owner—John Titterington, premises.
Architect—None.
Days work. $3000

ALTERATIONS
(4574) SE CORNER TWELFTH AND HARRISON, Oakland. Alterations.
Owner—California Co-operative Meat Co.
Architect—None.
Days work. $500

DWELLING
(4575) NO. 3356 FERNSIDE BLVD., Alameda. One-story 6-room dwlg.
Owner—Nelson & Conrad, 351 12th St., Oakland.
Architect—None.
Day's work. $4000

DWELLING
(4576) E SACRAMENTO 311 S Addison, Berkeley. One-story 5-room dwelling.
Owner—Bros. Norberg, 1918 Woolsey St., Berkeley.
Architect—None.
Contractor—E. & J. Norberg, 1124 Carleton St., Berkeley. $3000

GARAGE
(4577) NO. 2400 ELLSWORTH ST., Berkeley. Garage.
Owner—J. M. Jacobsen, 2412 Ellsworth St., Berkeley.
Architect—None.
Contractor—Fred Pfaff. $400

DWELLING
(4578) E CROSBY AVE. 250 S Harper St., Oakland. One-story 5-room dwelling.
Owner — Emeryville Invst. Co., 3840 San Pablo Ave., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor — Thomas Rutherford, 985 35th St., Oakland. $3500

ALTERATIONS
(4579) NO. 5527 DOVER ST., Oakland. Alterations.
Owner—W. H. Pennie.
Architect—None.
Contractor—G. D. Patterson, 1544 Dwight Way, Berkeley. $500

DWELLING
(4580) S FIFTY-FIRST 150 W Lawton Ave., Oakland. One-story 5-room dwelling.
Owner—W. T. Vaughn, 381 51st St., Oakland.
Architect—None.
Day's work. $4000

ALTERATIONS
(4581) NW COR. SEVENTH AND ADELINE, Oakland. Alterations.
Owner—H. F. Sanders Estate, 2274 E-20th, Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—R. Hansen, 2430 Foothill Blvd., Oakland. $1,000

ALTERATIONS
(4582) NO. 511 THIRTEENTH, Oakland. Alterations.
Owner—H. Marymont.
Architect—None.
Contractor S Kulchar & Co., E-10th and 8th Ave., Oakland. $500

RECORDED

STORES, ETC.
(4583) SE COR. SAN PABLO AVE. & TWENTY-FIFTH E 110-10 E 137 N 100 thence 186 to ptn. beg., Oakland. One-story class C stores, garage and shop.
Owner—I. Rabinowitz.
Architect—J. Cather Newsom, Syndicate Bldg., Oakland.
Contractor—M. F. Sommarstrom, 3145 Champion, Oakland.
Filed Dec. 29, '21. Dated Dec. 28, '21
Exterior walls up 12 ft.....$3375
Plumbing roughed in..... 3375
Plastering and cement floors in 3375
Completed and Accepted..... 3375
Usual 35 days..... 4500
TOTAL COST, $18,000
Bond, forfeit, none; limit, 90 days. Plans and specifications filed.

APARTMENTS
(4584) PTN LOT 2 BLK C Map Elmwood Park, Berkeley. All work for two-story 15-room apartments.
Owner—Cora A. Henkle, 4385 Howe St., Oakland.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland.
Filed Dec. 29, '21. Dated Dec. 27, '21.
Frame up [illegible] $4[illegible]
Completed [illegible]
Usual [illegible] days [illegible]
TOTAL COST, $[illegible]
Bond, $6,[illegible]. Superintendent M. Mc[illegible] and Carl T. Doell. Limit, 100 days. Forfeit, $200. Plans and specifications filed.

DWELLING
E EUCLID 50 S Cedar, Berkeley. One story 6-room dwelling.
Owner—Mrs. Humphrey and Miss [illegible] Cloyne Court, Berkeley.
Architect—W. H. [illegible] Berkeley.
Contractor—S. J. Berkeley [illegible]
Dec. 28, 1921—No. 1464

COMPLETION NOTICES

ALAMEDA COUNTY

Recorded Accepted
Dec. 28, 1921—6.14 ACRES being ptn Plat "F" Undivided Mountain or Hill Land (V. & D. Peralta), Okd. Pacific Gas & Electric Co to Hutchinson Co.....Dec. 19, 1921
Dec. 28, 1921—NW TWENTY-SECOND and San Pablo Ave., Oakland. C E Olvis to Peters & Hodgins .....
Dec. 28, 1921—PTN PLOT 84, Kellersberger's Map V & D Peralta Rancho, Berkeley. Alice D Hoskins to Blucher Bros.....Dec. 27, 1921
Dec. 28, 1921—NW E LOT 16 BLK "B" Map Piedmont Knoll, Oakland. Fred E Early to whom it may concern.....Dec. 28, 1921
Dec. 27, 1921—SE FORTY-SIXTH AV and Bend, Oakland. Albert Port Jr to I M Sommer & Co.....Nov. 5, 1921
Dec. 27, 1921—LOT 10 BLK 4, Map Hotel Claremont Tract, Berkeley. George L Unnewehr to Fred Hammleton .....Dec. 21, 1921
Dec. 24, 1921—LOT 6 BLK, 1 Northbrae, Berkeley. P. E. Marquis to whom it may concern...Dec. 24, 1921
Dec. 22, 1921—LOT 15 Blk 3, Grand View Terrace, Berkeley. R B Hill to E F Henderson.....Dec. 19, 1921
Dec. 23, 1921—(1) FRANKLIN bet. 19th and 21st Sts.; (2) Twenty-second and Broadway; (3) Jones and Telegraph Ave., Okd. Southern Pacific Co to Hutchinson Co.. .....Dec. 17, 1921
Dec. 23, 1921—NO. 1035 E-THIRTY-third, Oakland. Robert Davies to whom it may concern..Dec. 10, 1921
Dec. 23, 1921—A ALICE 1068 N 13th N 156xW 150, Oakland. Auto Palace Garages, Inc., formerly The Service Garage Co. Inc. to E C Hiester, Dec. 20; Alfred Olson, Dec. 20; Carl T Doell, Dec. 20; H C Brown, Dec. 20, and A G Reed.... .....Dec. 20, 1921

LIENS FILED

ALAMEDA COUNTY

Recorded Amount
Dec. 29, 1921—LOT 29 BLK 17, Lakeshore Highlands, Oakland. L H Sperl Gas Sperl Elec Co vs F N Strang and O Newlander.....$79.30
Dec. 27, 1921—LOT 29 BLK 17 Lakeshore Highlands, Oakland. C L Adams vs Fred N Strang and O Newlander $1040
Dec. 23, 1921—NW NINETEENTH Ave and SW line S. P. Co. right-of-way SW 150 NW 176.97 SW 633.66 NW 252 NW 73.47 NE 629.68 SE 472.96, Oakland. J H Fluth, $2000; Oakland Planing Mills, $1096.60; C Fraleneder, $101; L William Stein, $703.22 vs E S Col- [illegible]

RELEASE OF LIENS

ALAMEDA COUNTY

Recorded Amount
[illegible] $60.50

HOMESTEADS

ALAMEDA COUNTY.

[illegible] S Parker [illegible] $3000
[illegible] WAY 90 E [illegible] Berkeley [illegible] $5000

Dec. 27, 1921—E WALNUT 143-6 S Santa Clara S 32xE 150, Alameda. Mary E Sweeney (wf Michael J) $4000

Dec. 24, 1921—LOTS 8, 9, 10, 11, 20, 21, 22, 23, 24, 26, 1, 2, Blk 114 Map B of Berkeley Land & Town and Improvement Ass'n, Berkeley. Aurelia Carbone (wf John A) $20000

Dec. 24, 1921—W SAN PABLO AVE. 214.70 S Channing Way S 100 W 138 Berkeley. Elizabeth M. Trenouth (wf Richard H.).....$5000

Dec. 14, 1921—S SAN JOSE AVE. 96 W Regent W 32-3¼ S 88-3, Alameda. Maria Johnson.....$3000

Dec. 24, 1921—PTN LOT 16 Map Survey No. 824 Henry C. Lee, Esq. 100 acre tract, Oakland. Alta M. Wilson (wf Ridgely).....$40000

BUILDING CONTRACTS

FRESNO COUNTY

DWELLING
NO. 3401 TOWNSEND AVE., Fresno. Dwelling.
Owner—Geo. Lehman, 2169 Holly St., Fresno.
Architect—None.
Day's work. $1500

DWELLINGS
NO. 420 ORCHARD ST. and No. 3004 Madison Ave., Fresno. Two frame dwellings.
Owner—E. A. Nichols, 2659 White St.,
Architect—None.
Day's work. $3900 & $3500

HOTEL
L AND KERN STS., Fresno. Three-story reinforced concrete and brick hotel and garage.
Owner—Milo Rowell and E. Y. Foley, Fresno.
Architect—R. F. Felchin, Bank of Italy Bldg., Fresno.
Contractor—R. F. Felchlin, Bank of Italy Bldg., Fresno. $150,000

DWELLING
NO. 3444 PLATT AVE., Fresno. Dwlg.
Owner—C. F. Ahlberg.
Architect—None.
Day's work. $3000

DWELLING
NO. 3502 MONO ST., Fresno. Dwelling and garage.
Owner—J. E. Cregor.
Architect—None.
Day's work. $4000

ADDITION
NO. 2804 DIVISADERO ST., Fresno. Add to rooming house.
Owner—Otto Westphal, Fresno.
Architect—None.
Day's work. $2000

ALTERATIONS
NO. 1347 J ST., Fresno. Alter store.
Owner—M. Levy, 1039 Forthcamp St., Fresno.
Architect—Noen.
Day's work. $1200

DWELLING
NO. 3812 BUTLER AVE., Fresno. Dwelling.
Owner — Francis Dean, 1507 L St., Fresno.
Architect—None.
Day's work. $3000

DWELLING
NO. 623 INEZ ST., Fresno. Dwelling.
Owner—H. Rauscher.
Architect—None.
Day's work. $2500

DWELLING
NO. 757 D ST., Fresno. Dwelling and store.
Owner—S. Fuyimura.
Architect—None.
Day's work. $2000

DWELLING
NO. 455 CALAVERAS ST., Fresno. Dwelling.
Owner—A. Golito, 436 N St., Fresno.
Architect—None.
Day's work. $1000

DWELLING
NO. 3335 ILLINOIS AVE., Fresno. Dwelling and garage.
Owner—W. A. Purkett, 206 N-Angus St., Fresno.
Architect—None.
Contractor—Berton & Wolfe. $2750

DWELLING
No. 1039 FARRIS ST., Fresno. Dwelling and garage.
Owner—C. E. Sisson, 1028 Farris St., Fresno.
Architect—None.
Day's work. $4200

TANKS
COMPANY'S DISTRIBUTING STATION at Fresno. Concrete foundations and enclosures for two tanks.
Owner—Associated Oil Co.
Architect—None.
Contractor—T. J. and J. C. Pritchard, Rowell Bldg., Fresno.
Filed Dec. 24, '21. Dated Dec. 13, '21.
10 days after completion..... 75%
Usual 35 days..... 25%
TOTAL COST, $2880
Bond, $2880. Surety, Massachusetts Bonding & Insurance Co. Limit, forfeit, none. Plans only filed.

HOUSE, ETC.
LOTS 20 AND 21 BLK 2, Sierra Vista. All work for house and out buildings.
Owner—R. A. Winzler.
Architect—None.
Contractor — W. A. Hopper, 1320 San Pablo St., Fresno.
Filed Dec. 23, '21. Dated ——.
TOTAL COST, $3250
Bond, none. Limit, 60 days from Oct. 5, 1921. Forfeit, none. Plans and specifications filed.

STORE
NO. 2195 ELM AVE., Fresno. Store.
Owner—Carl Johnson, Premises.
Architect—None.
Day's work. $1250

DWELLING
NO. 1233 FERGER ST., Fresno. Dwelling.
Owner—J. F. Fisher, Braly Ave. near Highway, Fresno.
Architect—None.
Contractor—G. A. Behnke. $4000

DWELLING
NO. 1468 WHITE AVE., Fresno. Dwelling.
Owner—Wm. Hawthorne, 3043 Tulare St., Fresno.
Architect—None.
Contractor—R. U. McIntosh, 1608 I St., Fresno. $4000

DWELLING
NO. 26 WHITES BRIDGE AVE., Fresno. Dwelling.
Owner—L. G. Russo.
Architect—None.
Day's work. $2000

DWELLING
NO. 3244 McKENZIE AVE., Fresno. Dwelling and garage.
Owner—W. J. Palfrey.
Architect—None.
Day's work. $2000

ALTERATIONS
VENTURA AND M STS., Fresno. Alter Church.
Owner—Holy Trinity Church.
Architect—None.
Contractor—Griffin Sheet Metal Works, 1720 H St., Fresno. $5000

DWELLING
NO. 3727 TULARE ST., Fresno. Dwelling and store.
Owner—J. H. Hogan.
Architect—None.
Day's work. $1500

DWELLING
NO. 3411 LIBERTY ST., Fresno. Dwelling.
Owner—J. L. Fine, Premises.
Architect—None.
Day's work. $2200

LOCKERS, ETC.
LUCERNE LANE, Fresno. Lockers and shower building.
Owner—Fresno City High School Dist.
Architect—None.
Contractor—J. B. Hart, 1225 Broadway, Fresno. $14,796

DWELLING
NO. 1523 WHITE AVE., Fresno. Dwelling and garage.
Owner—Geo. Kruger, Premises.
Architect—None.
Contractor—S. L. Allen, 530 Forthcamp St., Fresno. $4500

DWELLING
NO. 1362 DEL MAR ST., Fresno. Dwelling.
Owner—B. P. Lester, Fresno.
Architect—None.
Day's work. $2260

DWELLINGS
NO. 2042 AND 2042½ E ST., Fresno. Two dwellings.
Owner—Thompson Bros., G and Divisadero Sts., Fresno.
Architect—None.
Day's work. $2500 each

HOSPITAL
BELMONT AVE., Fresno. Hospital.
Owner—J. F. McKenna, 616 Broadway, Fresno.
Architect—None.
Contractor—M. C. R. Nelsen, 1766 L St., Fresno. $10,300

SHOW CASES, ETC.
J ST., Fresno. Paneling, show cases, ornamental iron work, painting, etc., in Wonder Building (a one-story and basement reinforced concrete store building).
Owner—Max Cahn.
Architect—R. L. Felchlin, Bank of Italy Bldg., Fresno.
Contractor—Wohlman Mfg. Co.
Filed Dec. 19, '21. Dated Dec. 5, '21.
TOTAL COST, $31,890
Bond, $23,850. Sureties, Globe Indemnity Co. Limit, March 5, 1922. Forfeit, $300 per day; bonus, $300 per day. Plans and specifications filed.

COMPLETION NOTICES

FRESNO COUNTY.

Recorded Accepted

Dec. 24, 1921—LOT 18 E ½ LOT 19 Blk 26, Arlington Heights Tract, Fresno. W J Palfrey to whom it may concern.....Dec. 20, 1921

Dec. 24, 1921—LOTS 7 AND 8 BLK 33, Arlington Heights Tract, Fresno. Lida H Marshall to whom it may concern.....Dec. 19, 1921

Dec. 24, 1921—LOT 30 W 18 ft. Lot 29, Speedway Tract, Fresno. L L Miller to whom it may concern... .....Dec. 23, 1921

Dec. 24, 1921—LOTS 30, 31 AND 32 Blk 15, Arlington Heights Tract, Fresno. Wm Louch to whom it may concern.....Dec. 23, 1921

Dec. 23, 1921—FRESNO (completion of roofing on round house). S. P. Co. to whom it may concern..... .....Nov. 12, 1921

Dec. 19, 1921—LOTS 17 AND 18 Park Place and Lot 19 S ½ of Lot 20,

Park Place, Fresno. C L Saylor to whom it may concern...Dec. 19, 1921
Dec. 21, 1921—LOT 3 BLK 2, Roosevelt Heights, Fresno. Nels N Nelson to whom it may concern. Dec. 17, 1921
Dec. 21, 1921—RAISIN CITY. Raisin City School District by Glass, Butner & Peterson. Agents to whom it may concern.....Dec. 15, 1921

LIENS FILED

FRESNO COUNTY

Recorded Amount
Dec. 24, 1921—LOTS 25 AND 26 BLK 1, Friesen Add'n, Reedley. Laning & Son vs N H Feshjian $127
Dec. 24, 1921—LOTS 17 AND 18 BLK 55, East Fresno. J T Anderson vs E W Morris $868.50
Dec 23, 1921—NW ¼ OF SW ¼ S 75 ft of SW ¼ of NW ½ Sec 3, 13-21, Fresno M C R Nelsen vs J H Fennell $1153
Dec. 20, 1921—WEST FRESNO TCT Lot 105, Fresno. L Rosenberg vs John D Campbell.....$391

Notice of Non-Responsibility

FRESNO COUNTY

Dec. 23, 1921—LOTS 12 AND 13 BLK 10, Arlington Heights, Fresno. Herbert Levy, agent for E F Lacour as to improvements on property .....
Dec. 23, 1921—LOTS 7, 8, AND 9 BLK 11, Boyd Addition, Fresno. G T Whitman as to improvements on property .....

BUILDING CONTRACTS

SACRAMENTO COUNTY

DWELLING
NO. 2221 D STREET, Sacramento. One-story 5 room dwelling.
Owner, Geo. W. Martin, 2327 N St., Sacramento.
Architect—None.
Days work. $1800

ADDITIONS
NO. 1010 EIGHTH, Sacramento. Additions.
Owner—Carlot Estate Co.
Architect—None.
Contractor—Good & Tibbals, 1010½ 8th St., Sacramento. $3000

REPAIRS
No. 1727 AND 1729 TWENTY-NINTH, Sacramento. Repairs to bldgs.
Owner—Jas. McGillivray, 2300 M St., Sacramento.
Architect—None.
Days work $600 each

BUILDING
LOT 76, MONT CLAIR TRACT, Sacramento. Building.
Owner—Frank B. Mosier, 733 42nd St., Sacramento.
Architect—None.
Contractor—Warren & Beebe.
Filed Dec. 20, '21. Dated Nov. 28 '21. $3800

DWELLING
NO. 4641 TWELFTH, Sacramento. One-story 5 room dwelling.
Owner A. W. Griffin, 1408 O St., Sacramento.
Architect—None.
Days work. $2500

REPAIRS
NO. 2519 J ST., Sacramento. Repairing.
Owner—Dan Kesley, 2519 J St., Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento. $500

STORE
NO. 2849 THIRTY-FIFTH, Sacramento. One-story frame store.
Owner—J. T. Greene, 3015 G St., Sacramento.
Architect—None.
Contractor—E. W. Book, 2912 G, Sacramento. $7175

DWELLING
NO. 2000 THIRTIETH, Sacramento. One-story 5 room dwelling.
Owner—G. E. Thumb, 3641 2nd Ave., Sacramento.
Architect—None.
Contractor—Thos 'B. Hunt, 2926 S St., Sacramento. $3300

DWELLING
NO. 5623 J ST., Sacramento. One-story 5-room dwelling.
Owner Roy E. White, 5717 J St., Sacramento.
Architect None.
Day's work. $3500

REPAIRS
NO. 2824 P ST., Sacramento. Repairs.
Owner—May Gospodnotietz. Premises.
Architect—None.
Contractor—M. Stone, 1116 Q St., Sacramento. $450

REPAIRS
NO. 3024 STOCKTON BLVD., Sacramento. General repairs.
Owner—C. A. Johnson, Premises.
Architect—None.
Contractor—H. A. Hendren, Fair Oaks. $750

DWELLING
NO. 1216 THIRTY-SECOND ST., Sacramento. One-story 5-room dwlg.
Owner—E. Landis, 1110 30th St., Sacramento.
Architect—None.
Contractor—J. Edenhoter, 3200 2nd Ave., Sacramento. $2400

DWELLING
NO. 2009 THIRTIETH ST., Sacramento. One-story 5-room dwelling.
Owner—E. J. Kellum.
Architect—None.
Contractor—S. A. Boltz, 3133 W St., Sacramento. $2850

SCHOOL
HIGHLAND PARK SCHOOL SITE, bounded by 24th, 25th, 4th Aves. and Castro Way, Sacramento. Two-story reinforced concrete and brick school.
Owner—Sacramento City School District.
Architects — Hemmings-Hudnutt & Peterson, Library Bldg., Sacramento.
Contractor—Robert Trost, 26th and Howard, San Francisco. $135,561
Dated Dec. 14, 1921. Filed, Dec. 23, 1921.

Notice of Non-Responsibility

SACRAMENTO COUNTY

Dec. 24, 1921—LOTS 20, 21, 22, 23 and 24 Blk 21, Del Paso Heights, Sacramento. C M Goethe as to improvements on property.....

BUILDING CONTRACTS

SAN MATEO COUNTY

BUILDING
LOT 23, Stanford Week-End Acres, near Menlo Park. All work for one-story frame building.
Owner—George Wilson, San Francisco.
Architect—None.
Contractor—W. P. Goodenough, San Mateo.
Filed Dec. 22, '21. Dated Dec. 16, '21.
On commencement of work ... 15%
Upon completion .....Balance
TOTAL COST, $672
Bond, none. Limit, 20 working days. Forfeit, none. Plans and specifications filed.

MAUSOLEUM
LOT 3 TRIANGLE H SEC. A Cypress Lawn Cemetery. Materials and construction except plumbing and artistic metal for mausoleum.
Owner—The Felton Co.
Architect—Bakewell & Brown, 251 Kearny, San Francisco.
Contractor— The McGilvray Raymond Granite Co., 634 Townsend, San Francisco.
Filed Dec. 27, '21. Dated Dec. 23, '21
On 15th of each month.....75%
Usual 35 days.....25%
TOTAL COST, $9,750
Bond, none; forfeit, $5.00 to $10.00; limit, 250 calender days. Plans and specifications filed.

PLUMBING ON ABOVE.
Contractor—James H. Pinkerton Co., 180 Jessie St., San Francisco.
Filed Dec. 27, '21. Dated Dec. 21, '21.
Completed $50
COST of Materials and labor not to exceed $280.
Bond. Limit, forfeit, none. Specifications only filed.

ORNAMENTAL BRONZE AND METAL work, etc., on above.
Contractor—James Foster (as Artistic Metal Works), 1322 Howard St., San Francisco.
Filed Dec. 27, '21. Dated Dec. 19, '21.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $1162.50
Bond, $3 to $5. Limit, 20 calender days. Specifications only filed.

COMPLETION NOTICES

SAN MATEO COUNTY

Recorded Accepted
Dec. 28, 1921—LOT "U" BLK 2, Burlingame Terrace, Burlingame. Lewis A Nelson to Nelson & Shirkey .....Dec. 27, 1921
Dec. 24, 1921—LOT 1 BLK 3, Hayward Add'n to San Mateo. E H Alb to Munson Bros.....Dec. 22, 1921
Dec. 24, 1921—LOT 9 BLK "K" Sub 3 and Resbdvn Blks G and H of Sub No. 2, Hayward Park, San Mateo. Albert J and Geneva B Feasey to whom it may concern .....Dec. 23, 1921

LIENS FILED

SAN MATEO COUNTY

Recorded Amount
Dec. 24, 1921—OHIO BLDG. alias "Babion" on marsh E of San Carlos Speedway, San Carlos. John Williams vs Ellette O'Brien, Fredrico and W M Foster.....$70
Dec. 22, 1921—N ½ LOT 1 BLK 26, Oak Knoll Manor, near Redwood City. Progress Lumber Co, $588.22; United Lumber & Supply Co, $1072.74 vs Gertrude E Gough and Anglo California Trust Co.....

BUILDING CONTRACTS

SANTA CLARA COUNTY.

COTTAGE
LORRAINE ST. near Josefa, San Jose. Four-room cottage.
Owner—J. Gulotte, Milpitas Road, San Jose.
Architect—None.
Day's work $1900

COTTAGE
N-FIFTEENTH ST. near Julian St., San Jose. Four-room cottage.
Owner—R. T. Southen.
Architect—None.
Day's work. $2850

ALTERATIONS
NO. 1028 E-SANTA CLARA ST., San Jose. Alterations.
Owner—A. E. Place.
Architect—None.
Day's work. $490

HOUSE
SARATOGA, Cal. All work for one-story frame house and garage.
Owner—Susan Helen Guile, Saratoga.
Architect — Warren Skillings, Garden City Bank Bldg., San Jose.
Contractor — Lindholm & Nelson, Mt. View, Calif.
Filed Dec. 27, '21. Dated Dec. 19, '21.
Frame up and enclosed.....$3161.25
Plastering completed 3161.25
Completed and accepted..... 3161.25
Usual 35 days..... 3161.25
TOTAL COST, $12,645.00
Bond, $6322.50. Sureties, Earl D. Minton and W. M. Bernard. Limit, 120 working days from Dec. 19. Forfeit, none. Plans and specifications filed.

COTTAGE, ETC.
PEARL AVE., San Jose. All work for five-room cottage, tank and frame, garage and cess pool.
Owner—Georgia E. Jamison.
Architect—None.
Contractor—William H. O'Neil, 500 N-15th St., San Jose.
Filed Dec. 23, '21. Dated Dec. 23, '21.
Completion of tank & frame..$260.00
Build and connect cess pool with house 38.00
Completion of garage..... 70.00
Roof on house..... 737.50
House plastered 737.50
Completed and accepted..... 737.50
Usual 35 days 737.50
TOTAL COST, $3318.00
Bond, none. Limit, April 1, 1922. Forfeit, none. Plans and specifications filed.

ALTERATIONS
SAN JOSE. All work for remodeling Italian Society Hall Building.
Owner—Societo Italiana Di Beneficenza, San Jose.
Architect— Charles S. McKenzie, Bank of San JoseBldg., San Jose.
Contractor—A. Megna, 861 N-17th St., San Jose.
Filed Dec. 29, '21. Dated Dec. 14, '21.
Rough work in(first coat painting and staining.....$1489
Painting completed 1489
1st coat plaster on large hall... 1489
New balcony framed in place... 1490
Upon completion 2482
TOTAL COST, $9928
Bond, $5000. Sureties, Philomena Megna and Joseph Russo. Limit, all necessary dispatch. Forfeit, none. Plans and specifications filed.

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COMPLETION NOTICES

SANTA CLARA COUNTY

Recorded Accepted
Dec. 29, 1921—EIGHTH ST., San Jose. Alfred Jones to whom it may concern.....Dec. 28, 1921
Dec. 28, 1921—SAN JOSE. Adelaide M Wilson to whom it may concern .....Dec. 28, 1921
Dec. 29, 1921—HAWTHORNE WAY, San Jose. Herbert C and Isabell Hunn to Earl McCombs..Dec. 15, 1921
Dec. 29, 1921—SAN JOSE. Antonio Glaviano to L I Kelly...Dec. 15, 1921
Dec. 23, 1921—LOS ALTOS. Anna Marky Fraser to Pete Jensen.....Dec. 16, 1921
Dec. 22, 1921—PALO ALTO. Alice Maud Wright to F W Fox.Dec. 13, '21
Dec. 22, 1921—SAN JOSE. Robert A Holmes to whom it may concern..Dec. 21, 1921

LIENS FILED

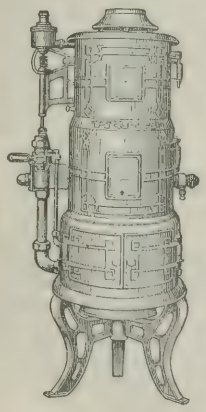
SANTA CLARA COUNTY

Recorded Amount
Dec. 23, 1921—THIRD ST., San Jose. Wm F Serpa vs Mary E Trenouth $428.89

BUILDING CONTRACTS

SAN JOAQUIN COUNTY

ALTERATIONS
NO. 342 E-MARKET ST., Stockton. Remodel.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Contractor
221 OAK ST. San Francisco

Owner—Fontana A. Dolphin, [illegible] Center St., Stockton.
Architect—None.
Day's work. $600

OFFICES, ETC.
E-WEBER ST., Stockton. Two-story and basement reinforced concrete and brick store and office building.
Owner—Dr. A. E. Hodgkins.
Architect — Davis-Heller-Pearce Co., Delta Bldg., Stockton.
Day's work. $60,000

ALTERATIONS
EAST PINE ST., Stockton. Remodel into flats.
Owner—A. M. Hutchinson.
Architect—None.
Day's work. $2000

GARAGE
WEST POPLAR ST., Stockton. Garage.
Owner—C. M. Gill, Yosemite Bldg., Stockton.
Architect—None.
Days work. $450

REMODELING.
NO. 121 DELLA ST., Stockton. Remodeling.
Owner—D. T. Argo, Premises.
Architect—None.
Days work. $700

REMODELING
NO. 621 EAST CHANNEL ST., Stockton. Remodeling.
Owner—Mrs. Rohrbacker, Premises.
Architect—None.
Days work. $2665

RESIDENCE
EAST MARKET ST., Stockton. Residence.
Owner—G. Douldson.
Architect—None.
Days work. $1000

COMPLETION NOTICES

SAN JOAQUIN COUNTY

Recorded Accepted
Dec. 22, 1921—LOT 13 BLK 10 and Lot 12 Blk 7 and Lot 14 Blk 7, Shdyn No. 1, Tuxedo Park, Stockton. Sterling Building Co to J A Piecarpo.... .....Dec. 13, 1921
Dec. —, 1921—LOT 13 BLK 12 E of Center St, Stockton. Odd Fellows Hall Ass'n Cptn to Edw L Gnekow and Morrison & Vickory. Dec. 10, 1921

LIENS FILED

SAN JOAQUIN COUNTY

Recorded Amount
Dec. 27, 1921—LOT [illegible] 14 in Blk 91, South of Mormon Channel, Stockton. Simpson Gray Lumber Co. a cptn., vs George Zissmer's and Fillmore C. Marks $222.86

BUSINESS OPPORTUNITIES

Irwin-Harrison & Crosfield, Inc., 25 California St., San Francisco, desire to get in touch with manufacturers of milk steel black sheets.

E. Clarke, 1941 Carlton St., Berkeley, is in the market for parchment such as is used for lamp shades.

Baltimore Water Paint Company, Madison avenue and Preston street, Baltimore, Md., desires to get in touch with wholesale paint and hardware dealers in this city.

E. H. Weimer, 6423 Sherwood Ave., Los Angeles, is in the market for bookbinders' machinery, including embossing presses.

H. E. Walker, Box 342, Enterprise, Ore., desires to get in touch with building supply houses in this city.

Vitrolite Construction Co., 80 Grand Ave., Portland, Ore., wishes to communicate with firms producing magnesite.

NOTICE TO SUBSCRIBERS

In applying for information regarding "Foreign Trade Opportunities" read the directions carefully and fully and follow them.

Many do not do this and much annoyance and delay is caused by this carelessness.

Foreign Trade Opportunities

[Where addresses are omitted they may be obtained from the nearest **branch office of The Bureau of Foreign and Domestic Commerce** by application in letter form.]

It is requested that, in asking the Bureau of Foreign and Domestic Commerce for information regarding Trade Opportunities or reports of consular officers, correspondents **specify the number of the "opportunity"** or the author and date of the consular report sought, giving also any other data that might be useful in aiding the bureau quickly to identify the report sought. The list of offices on the Pacific Coast follows: **San Francisco, 310 United States Customhouse; Seattle, 107 Alaska Building.**

NOTE:—Be careful that enough postage is placed on all catalogues. Complaint is made that Americans are careless about this.

372—A firm of importers in CANADA desires to purchase 20 tons of both black and galvanized steel sheets of from 10 to 24 gauge. Quotations should be given f. o. b. shipping point. Terms, cash. References.

399.—A firm of wholesale and retail merchants in NEW ZEALAND desires to secure an agency for the sale of foodstuffs and hardware, particularly wire fencing and corrugated sheets. Quotations should be given c. i. f. New Zealand ports. References.

405.—A merchant in INDIA desires to secure an agency for the sale of electrical appliances, such as lamps, wires, switches, ceiling roses, and lamp holders; cutlery, household utensils, motor cars, and motor cycles. Reference.

407.—A mercantile firm in MANCHURIA desires to purchase large quantities of flour, iron and steel, nails, and old newspapers. Quotations should be given c. i. f. Manchurian port. References.

438.—An importing firm in CHINA desires to secure the representation of American exporters for the sale of metals of all kinds, especially old scrap metal, such as horseshoes, wagon springs, signs, and scrap steel; hardware, glassware, paper, especially cheap newsprint paper, soaps, perfumes, novelties, and imitation jewelry. Samples or a small consignment of goods are requested. Payment to be on basis of outright purchase against letters of credit. No reference offered.

439.—The purchase is proposed by a city of CANADA of an 800-gallon triple motor fire engine, the cost not to exceed $16,000.

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